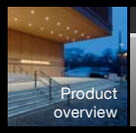
BEGA

BEGA

Das gute Licht.

Outdoor luminaires

Recessed ceiling luminaires



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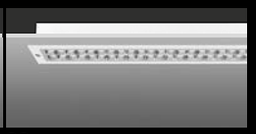

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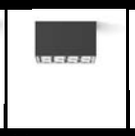

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Ceiling luminaires

Pendant luminaires


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Ceiling and wall luminaires


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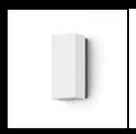

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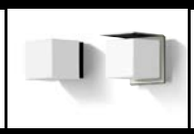

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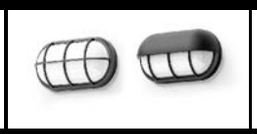

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Recessed wall luminaires


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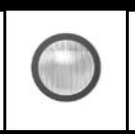

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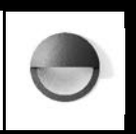

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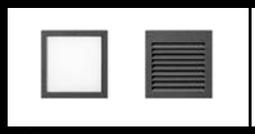


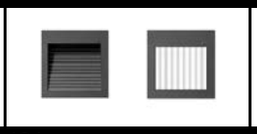
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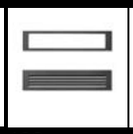

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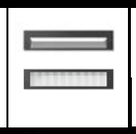

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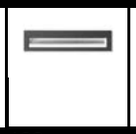

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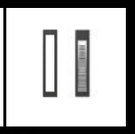

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Wall luminaires



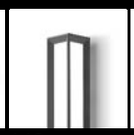
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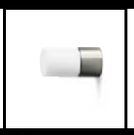
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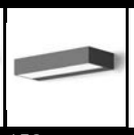

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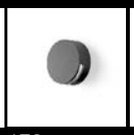

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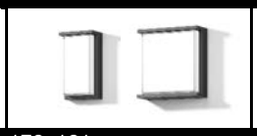

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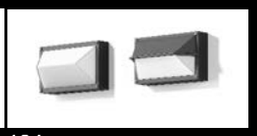

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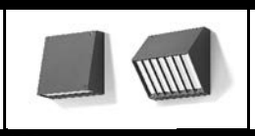

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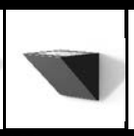

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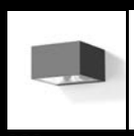

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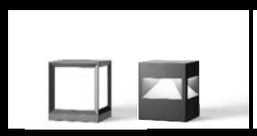

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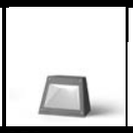

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Bollards


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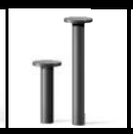
Garden, pathway and indication luminaires


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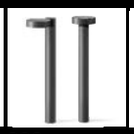


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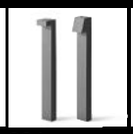
Garden and pathway luminaires, floodlights and portable luminaires for private use

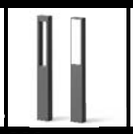

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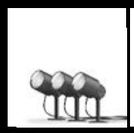

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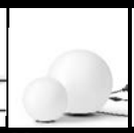

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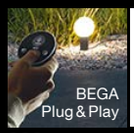

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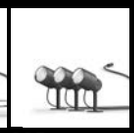
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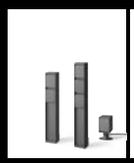

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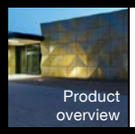
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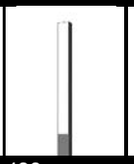
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In-ground and on-ground luminaires

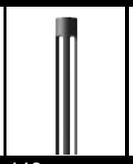
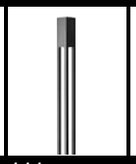
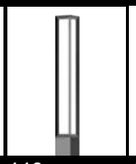

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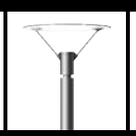

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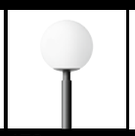
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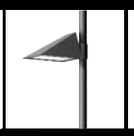
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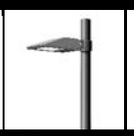
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About us and “das gute Licht”

About our guarantee and our technologies



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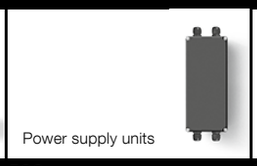
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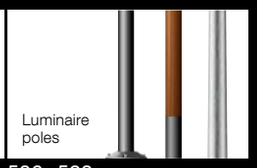
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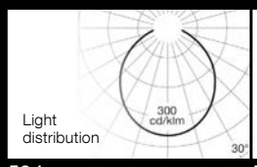


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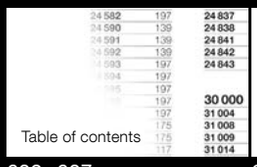
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About us and “das gute Licht”

For more than 75 years, BEGA has been developing and producing high-quality luminaires for almost all areas of interior and exterior architecture.
These years have given rise to products whose ideas and trademarks have become generic terms for countless luminaires in the entire industry.
We have carried the Light Brick – Lichtbaustein® trademark for more than 60 years, for example.
For more than 40 years, we have focused intensely on illumination from ground level. We had a formative influence on many of the current standards according to which the quality of this group of luminaires is judged. We know the extreme conditions which outdoor luminaires have to face up to. They are exposed to dirt, atmospheric influences and extreme temperature fluctuations. They have to stand up to enormous stress more than other luminaires.
We have created the perfection conditions for the production of our luminaires ourselves. They were not the consequence of any set of rules, but the result of our learning process as an integral part of our notions of quality.
Know-how, experience and a constant willingness to learn define our daily approach to the development of new luminaires and new product ideas.
Long before the term sustainability became an advertising buzzword, we attached great importance to careful design and the intelligent use of our raw materials.

Sustainable resource management and the creation of exemplary production facilities for both the workforce and the environment have been our basic entrepreneurial principles from the start, not just a prescribed element of our philosophy as is the case with many modern companies.
For a long service life and operational reliability, our care in development and manufacture must also be continued in expert installation and maintenance by the electrical trade. Our daily work is determined by our high standards in lighting technology, workmanship and usability as well as in the aesthetic quality of our luminaires. Our common goal is to create durable assets that are designed to stand the test of time for decades to come.
Our luminaires are intended to fit in harmoniously as good construction details and as part of the architecture, and perform their tasks for many years. Their light should underline a building's architecture, create an atmospheric or striking scene or maintain its appearance at night.
Our luminaires are lighting tools for the diverse design ideas of all those who plan and design with light.


BEGA

Our LED technology

Decades of experience have taught us the quality that is demanded of our luminaires. This knowledge results in the continuous improvement of our products. This commitment to a high level of quality applies similarly to our LED technology. When processing and selecting our LED components, we consistently adhere our own ideas and are not guided by standard market criteria. We have established all the necessary conditions to this end, including the latest manufacturing processes. All BEGA LED luminaires are supplied with tailor-made modules from our own production line.

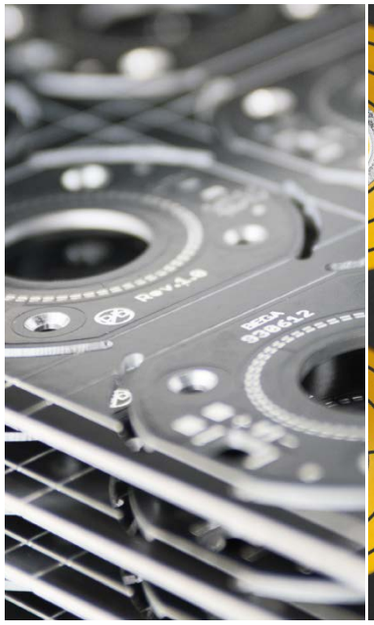
We have control over all the materials used and therefore are not forced to enter any compromises. We alone determine all the essential factors such as light output, light colour and the thermal management of a luminaire, and we have a direct influence on quality as a result.

Our LED modules are expected to achieve the maximum possible service life. With this in mind, we are committed to using components and age-resistant materials of the highest quality, and consistently eschew the use of low-quality materials in our optical systems.

Instead we prefer durable and age-resistant materials such as glass, silicone and aluminium.

The ageing of electronic components - particularly LEDs - depends on the temperatures to which they are exposed during operation. The higher the component temperature, the shorter the anticipated service life. Thermo-management therefore poses a major challenge when developing our luminaires. In addition to the use of high-quality components, we have taken constructive measures to ensure optimum temperature conditions inside the luminaires. The LED service life is significantly extended as a result. At the same time, electronic protective devices help to prevent the individual components from overheating. We have taken a decidedly conservative approach to temperature control in our luminaires – values remain far below the maximum temperatures for LED modules.

Our LED modules are designed for a service life of at least 50 000 operating hours. Depending on the ambient temperature, however, these values may be significantly higher. The data sheets on our website provide information on the LED service life of each luminaire in relation to the respective colour temperature and ambient temperature.






20-year availability guarantee

What happens when an LED comes to the end of its service life? Who supplies the replacement for this electronic component?
Should customers have to seek out new modules, or replace luminaires and entire lighting systems themselves?
We have not yet found answers from either external module suppliers or luminaire manufacturers that meet our understanding of corporate responsibility. We have come up with a solution to this problem for our customers.
You will find a lamp designation in every one of our LED luminaires, providing exact details on the modules installed within. Furthermore, our in-house production will enable us to deliver matching LED modules for many years to come.

We guarantee our customers that they will be able to obtain replacement modules from us up 20 years after purchasing an LED luminaire.

Perhaps the technology and design of the components will have changed by then, but in their light colour and output, the replacements will definitely match the originally installed LED modules.
Our LED luminaires are designed to enable easy replacement of these components on site using standard tools.

Suitable precautions have already been taken to protect against electrostatic discharge and accidental polarity reversal of the electronic components.
The safe and economical further use of your LED luminaires is thus assured.

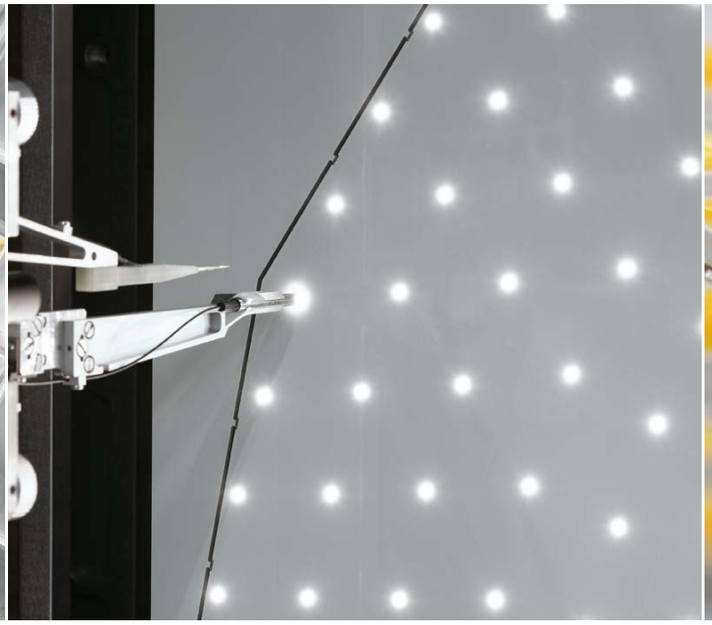
Technical parameters for LED luminaires

Our technical terms for LED luminaires are predominantly based on the ZVEI definitions. We sometimes use other terms where they improve understanding. You can find a thorough explanation of the most important technical parameters for LED luminaires on our website.

BEGA AC module

We have developed special AC modules for luminaires with limited installation space.
These are connected directly to a 230 V power supply, and have a colour rendering index (CRI) of > 80 and a colour temperature of 3000 K.






Our technologies for the optimal protection of temperature-sensitive components

Electronic components are often very temperature-sensitive. They are often exposed to high temperatures inside a luminaire. Adverse ambient temperatures also place added strain on power supply units and modules in many places. This can lead to malfunctions and damage to the components.
Thermal stress also leads to significant reductions in service life.
We dedicate a great deal of attention to this matter and are continually improving the quality of our components and the protective devices in our luminaires.
BEGA Thermal Management® and BEGA Ultimate Driver® guarantee optimum thermal component protection and power supply units of the highest quality.
BEGA Thermal Management® comprises two protection levels:
BEGA Thermal Switch® and BEGA Thermal Control®.
The protective device installed in each case depends on the luminaire type and its primary use. You can find data sheets for all luminaires on our website. These contain all luminaire data and the current values for LED service life, luminous flux, maximum ambient temperature, and they provide information on the use of BEGA Thermal Management®.



Designed for ambient temperatures of up to 55 °C:
drive-over in-ground luminaire 84 555, Page 396



BEGA Thermal Switch®

Luminaires with BEGA Thermal Switch® have a switch-off device to protect temperature-sensitive components from overheating due to excessive ambient temperatures.

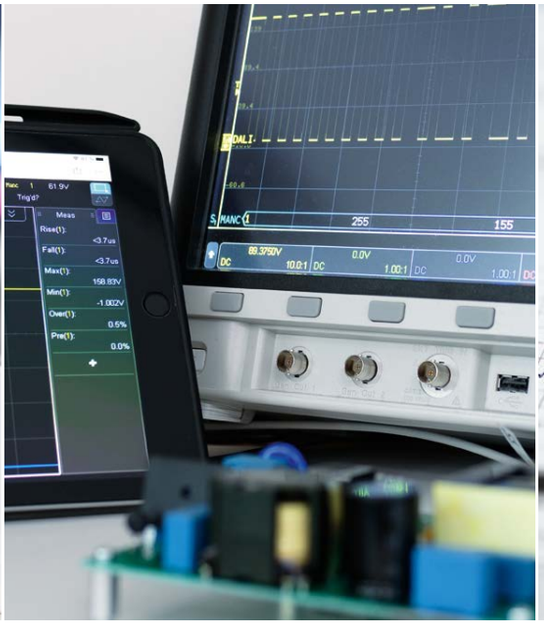
BEGA Thermal Control®

To protect the luminaire from overheating due to excessive ambient temperatures, luminaires with BEGA Thermal Control® have thermal regulation, which temporarily controls and regulates temperature inside the luminaire.
In the event of overheating, the luminaires are not switched off, but continue to operate with an adjusted output.

BEGA Ultimate Driver®

BEGA Ultimate Driver® is a power supply unit developed according to the highest BEGA quality standards, and characterised by numerous unique features.
These include optimum regulation thanks to BEGA Thermal Management®, impressive service life, high dielectric strength, maximum durability thanks to an extremely robust design, efficient overvoltage protection and low inrush current.









Our optical systems
of the highest lighting quality

The longevity of BEGA products, the highest possible quality and a sense of responsibility are just some of our core values. We develop our optical systems according to these values. The consistent use of the highest-quality components is just as much a part of our philosophy of sustainability as the 20-year availability guarantee for LED modules.
Maximising the efficiency of light deflection is another important factor for certain lighting requirements. We have optimised the light deflection in our luminaires through the perfect interaction between our LED modules with precisely calculated and refined reflectors and optical lenses made of ultra-clear silicone.
We use our BEGA Hybrid Optics® and BEGA Vortex Optics® to develop long-lasting, wear-resistant optical systems of the highest lighting quality.
Luminaires with these optical systems feature a higher efficiency of light deflection compared with conventional light deflection methods, in which much of the light leaves the luminaire without being deflected.
You can find data sheets for all luminaires on our website. They provide information on all luminaire data and on the use of BEGA Hybrid Optics® and BEGA Vortex Optics®.



BEGA Hybrid Optics®



BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete lighting control, thanks to optimum refraction and reflection.
Precisely calculated reflectors with a surface made of pure aluminium and lenses made of ultra-clear silicone or glass capture nearly every beam of light from the LED modules. The interplay between lens and reflector technologies achieves maximum application efficiency.

BEGA Vortex Optics®

BEGA Vortex Optics® features newly developed twisted reflectors with a surface made of pure aluminium. The more intense concentration of light enables perfect light deflection. This makes it possible to achieve optimal light distribution without artefacts.
Thanks to excellent glare control, BEGA Vortex Optics® offers outstanding visual comfort. The interaction with the LED modules produces extraordinary lighting results.

BEGA Vortex Optics®



Our surface technologies with extraordinary durability

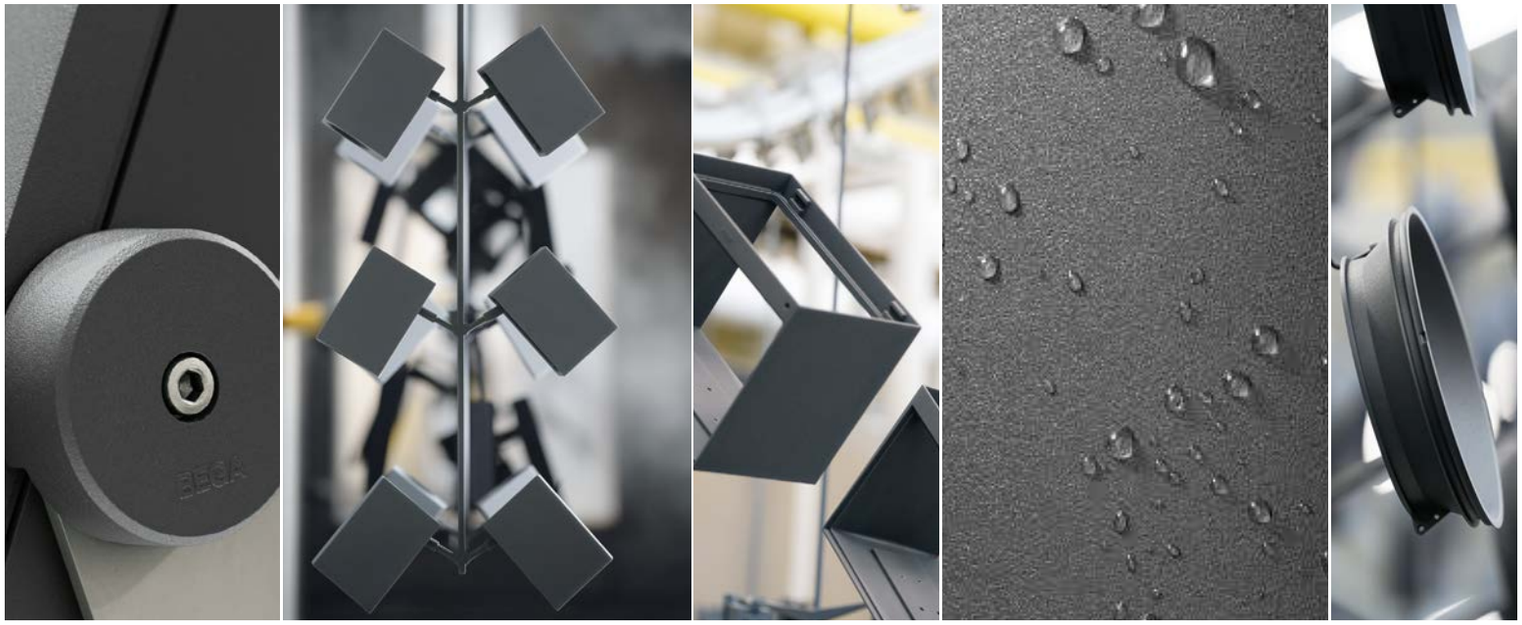
BEGA luminaires are intended to blend in harmoniously as architectural details and to perform their tasks for many years. As part of our commitment to sustainability, we pay special attention to efficient surface protection for our luminaires.
Resistance to corrosion and weathering as well as light stability are a high priority for us, in part due to the enormous variety of weather conditions worldwide.
BEGA Coating Technology® combines two technologies for the efficient protection of metallic surfaces. These technologies enable us to achieve surface protection of the highest quality.
You can find data sheets for all luminaires on our website. They provide information on all luminaire data and the use of BEGA Coating Technology®.

BEGA Unidure®

We use our BEGA Unidure® technology in order to meet the highest demands in terms of weather resistance and light stability. This extremely weather-resistant powder coating achieves outstanding results in the most extreme endurance tests for worldwide use under particularly challenging climatic conditions involving continuous sunlight, extremely high temperatures and high humidity.

BEGA Tricoat®

We use our BEGA Tricoat® technology to achieve maximum corrosion resistance. These carefully coordinated inorganic and organic coating processes applied to extremely resistant alloys ensure the best possible surface protection and outstanding corrosion resistance.

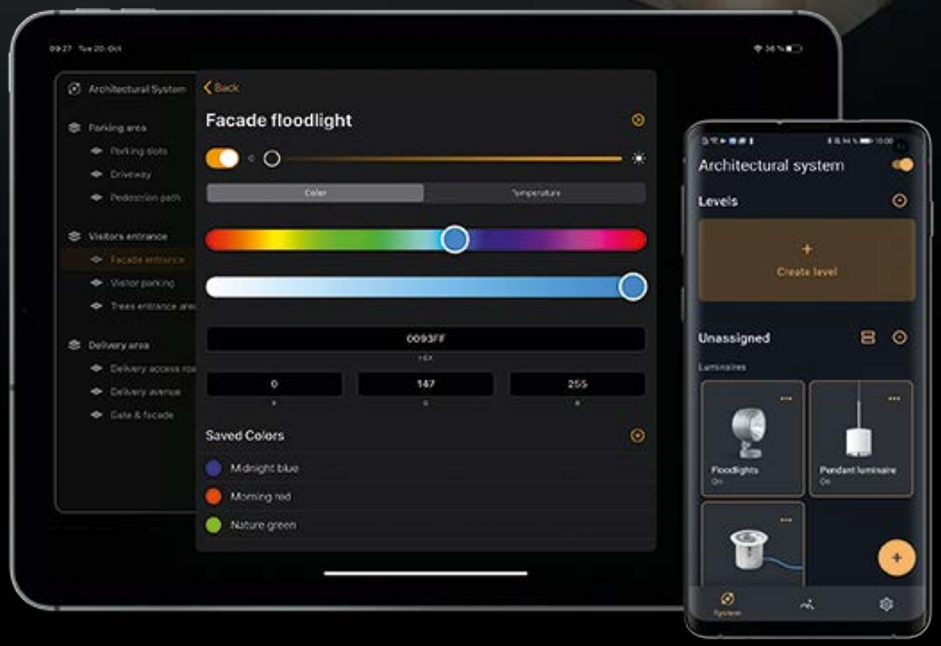


BEGA Connect

Discover the future of light management for sophisticated architecture

ALMS stands for Architectural Lighting Management System. And the best ALMS has a simple, descriptive name: BEGA Connect. It expands the possibilities of professional lighting control and combines light and architecture into one holistic concept. A concept that is constantly adapting and evolving.
Indoors and out, online and offline.

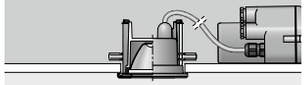
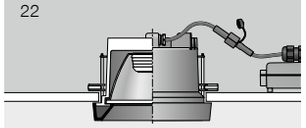
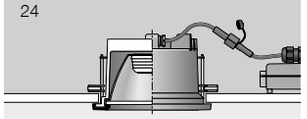
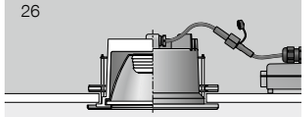
Simple. Clever. Reliable.
connect.bega.com

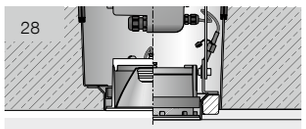
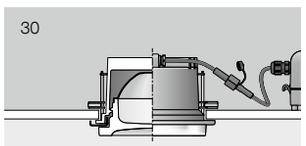
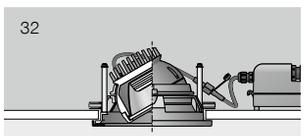
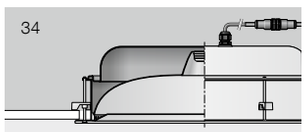


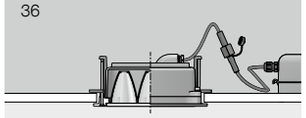
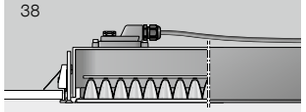


Overview of recessed ceiling luminaires · Downlights

This summary of our recessed ceiling luminaires and downlights for outdoor use provides a compact and brief overview of all the important product data. Current values and other technical data can be found in the luminaire's product data sheet on our website. The required installation depths can be found in the instructions for use for these luminaires.
Please take these into account during your planning.

Page	20	22	24	26
				
	Small luminaires with a trim ring made of aluminium or stainless steel	Luminaires with a tall trim ring made of aluminium	Luminaires with a flat trim ring made of aluminium	Luminaires with a flat trim ring made of stainless steel
PSU	External included · on/off	External included · DALI	External included · DALI	External included · DALI
Colour temperature	3000 K · 4000 K	3000 K · 4000 K	3000 K · 4000 K	3000 K · 4000 K
CRI	> 80	> 80	> 80	> 80
Luminaire luminous flux	295 to 340 lm	705 to 4490 lm	720 to 4695 lm	710 to 4535 lm
Size	Ø 80 mm	Ø 110 · 145 · 175 · 220 mm	Ø 110 · 145 · 175 · 220 mm	Ø 120 · 160 · 180 · 240 mm
Light distribution				

Page	28	30	32	34
				
	Luminaires for flush installation in unplastered and plastered concrete ceilings	Luminaires with thick-walled crystal glass · Luminaires with partially frosted crystal glass for vertical illuminance	Luminaires with adjustable light distribution	Luminaires with dual lighting technology
PSU	External included · DALI	External included · on/off · DALI	External included · DALI	DALI
Colour temperature	3000 K · 4000 K	3000 K · 4000 K	3000 K · 4000 K · 2700 - 6500 K	3000 K · 2700 - 6500 K
CRI	> 80	> 80	> 80	> 80
Luminaire luminous flux	1210 to 2855 lm	250 to 1395 lm	420 to 4200 lm	4250 lm · 1400 to 2250 lm
Size	Ø 135 · 155 mm	Ø 80 · 115 · 155 · 185 mm	Ø 115 · 150 · 225 · 265 mm	Ø 600 mm
Light distribution			TW	TW

Page	36	38
		
	Square luminaires with a flat trim frame made of aluminium	Linear, rectangular luminaires with a flat trim frame made of aluminium
PSU	External included · on/off · DALI	DALI
Colour temperature	3000 K · 4000 K	3000 K · 4000 K
CRI	> 80	> 80
Luminaire luminous flux	335 to 6140 lm	1580 to 6955 lm
Size	☐ 120 · 155 · 190 · 275 mm	Length: 550 · 1040 · 1535 mm
Light distribution		

Light distribution

Symmetrical · Symmetrical RGBW · Asymmetrical · Flat beam · Adjustable · Adjustable RGBW · TW Adjustable Tunable white · Installation housing



Recessed ceiling luminaires
Compact downlights

Small and compact downlights with external on/off power supply units. Luminaires with an efficient and durable optical system – a combination of silicone diffusing lens and reflector made of pure anodised aluminium.

The luminaires are available with a trim ring made of cast aluminium or stainless steel, as well as with symmetrical wide beam or very wide beam light distribution.

Suitable installation housings for installing the luminaire and power supply unit in concrete ceilings can be found in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	295 to 340 lm
Connected wattage	4.5 W
Size	Ø 80 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium
Silicone diffusing lens

Including external on/off power supply units

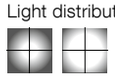
Luminaires with symmetrical wide beam or very wide beam light distribution

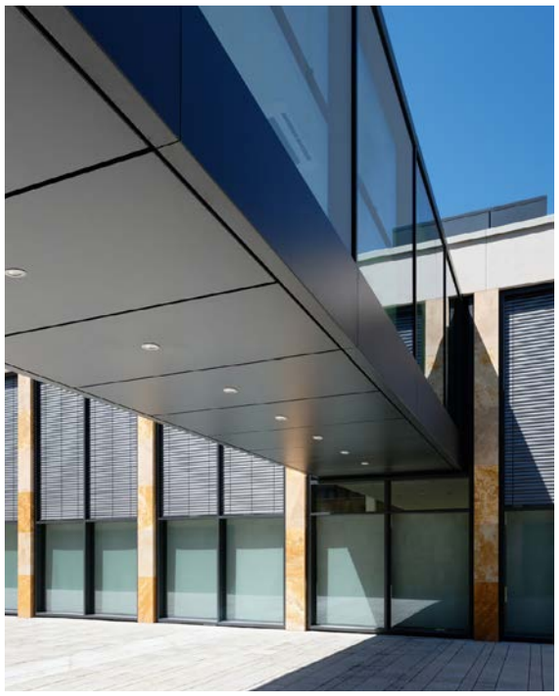
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

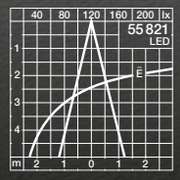
55 921 · 55 922
Luminaire colour · BEGA Unidure®
Graphite – article number
White – article number + **W**

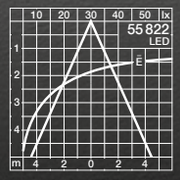
20-year availability guarantee for LED modules

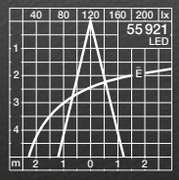
Light distribution

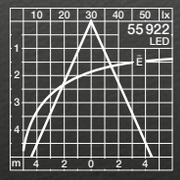








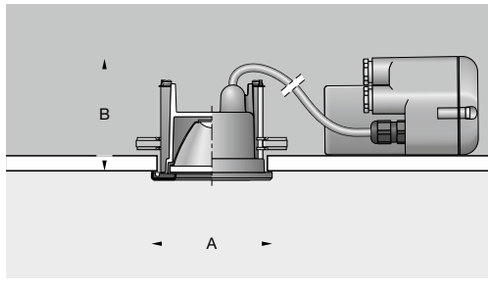




Compact downlights · **Stainless steel** trim ring							External PSU	
Wide beam	LED		β	A	B	AC/DC	on/off	
55 821	4,5 W	295 lm	28°	80	90	✔	Included	**10 407**
Very wide beam								
55 822	4,5 W	325 lm	79°	80	90	✔	Included	**10 407**

Compact downlights · **Cast aluminium** trim ring							External PSU	
Wide beam	LED		β	A	B	AC/DC	on/off	
55 921	4,5 W	340 lm	28°	80	90	✔	Included	**10 407**
Very wide beam								
55 922	4,5 W	335 lm	81°	80	90	✔	Included	**10 407**

β = Half beam angle Installation housing





Recessed ceiling luminaires
Compact downlights

Recessed ceiling compact downlights with various LED outputs, half beam angles, dimensions and light distributions use BEGA Hybrid Optics® for optimal lighting control. This is made possible by optimal refraction and reflection by precise reflectors, featuring a surface made of pure aluminium and lenses made of ultra-clear silicone. This results in highly efficient, low-loss optical systems with optimum glare suppression and very compact dimensions. We use durable and age-resistant materials such as glass, aluminium and silicone in these products.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

The external power supply units are included in the scope of delivery and are connected to the luminaire by means of a convenient plug connector. The electrical connection of the power supply unit can therefore be established before the final installation of the luminaire, if required by the customer.

Suitable installation housings for installing the luminaire and power supply unit in concrete ceilings can be found in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	705 to 4490 lm
Connected wattage	7.1 to 38.6 W
Size	Ø 110 · 145 · 175 · 220 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Trim ring cast aluminium
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens

External power supply units included
DALI-controllable

BEGA Thermal Management®

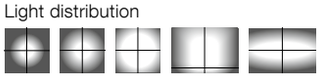
Luminaires with symmetrical and flat beam light distribution:
BEGA Hybrid Optics®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

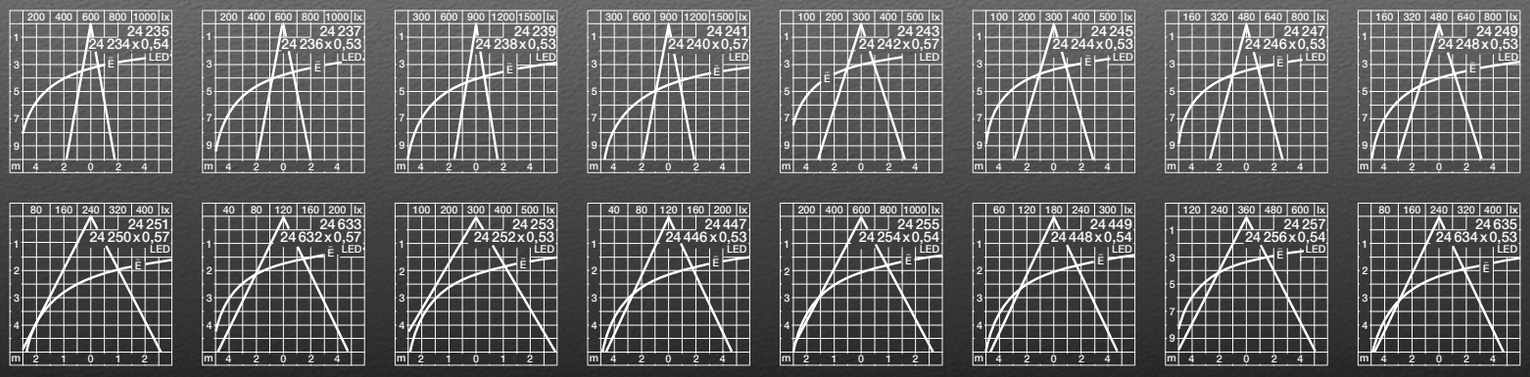
Luminaire colour · BEGA Unidure®
Graphite – article number
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution







Symmetrical light distribution

Narrow beam	LED		PSU	β	A	B	AC/DC	
24 234	7,1 W	795 lm	DALI	16°	110	90	✔	**10 440**
24 235	14,0 W	1465 lm	DALI	16°	110	90	✔	**10 440**
24 236	10,0 W	1105 lm	DALI	20°	145	90	✔	**10 441**
24 237	19,6 W	2050 lm	DALI	20°	145	90	✔	**10 441**
24 238	13,2 W	1555 lm	DALI	14°	175	95	✔	**10 442**
24 239	28,0 W	2890 lm	DALI	14°	175	95	✔	**10 442**
24 240	19,4 W	2420 lm	DALI	18°	220	115	✔	**10 443**
24 241	38,6 W	4490 lm	DALI	18°	220	115	✔	**10 443**
Wide beam								
24 242	7,1 W	785 lm	DALI	32°	110	90	✔	**10 440**
24 243	14,0 W	1385 lm	DALI	32°	110	90	✔	**10 440**
24 244	10,0 W	1140 lm	DALI	30°	145	90	✔	**10 441**
24 245	19,6 W	2115 lm	DALI	30°	145	90	✔	**10 441**
24 246	13,2 W	1600 lm	DALI	25°	175	95	✔	**10 442**
24 247	28,0 W	2925 lm	DALI	25°	175	95	✔	**10 442**
24 248	19,4 W	2300 lm	DALI	28°	220	115	✔	**10 443**
24 249	38,6 W	4295 lm	DALI	28°	220	115	✔	**10 443**
Very wide beam								
24 250	7,1 W	785 lm	DALI	58°	110	90	✔	**10 440**
24 251	14,0 W	1390 lm	DALI	58°	110	90	✔	**10 440**
24 632	7,1 W	720 lm	DALI	90°	110	90	✔	**10 440**
24 633	14,0 W	1250 lm	DALI	90°	110	90	✔	**10 440**
24 252	10,0 W	1155 lm	DALI	72°	145	90	✔	**10 441**
24 253	19,6 W	2140 lm	DALI	72°	145	90	✔	**10 441**
24 446	10,0 W	965 lm	DALI	83°	145	90	✔	**10 441**
24 447	19,6 W	1835 lm	DALI	83°	145	90	✔	**10 441**
24 254	13,2 W	1575 lm	DALI	60°	175	95	✔	**10 442**
24 255	28,0 W	2875 lm	DALI	60°	175	95	✔	**10 442**
24 448	13,2 W	1360 lm	DALI	84°	175	95	✔	**10 442**
24 449	28,0 W	2515 lm	DALI	84°	175	95	✔	**10 442**
24 256	19,4 W	2180 lm	DALI	56°	220	115	✔	**10 443**
24 257	38,6 W	4025 lm	DALI	56°	220	115	✔	**10 443**
24 634	19,4 W	2150 lm	DALI	90°	220	115	✔	**10 443**
24 635	38,6 W	4050 lm	DALI	90°	220	115	✔	**10 443**

β = Half beam angle Installation housing

Asymmetrical light distribution · **Wall washers**

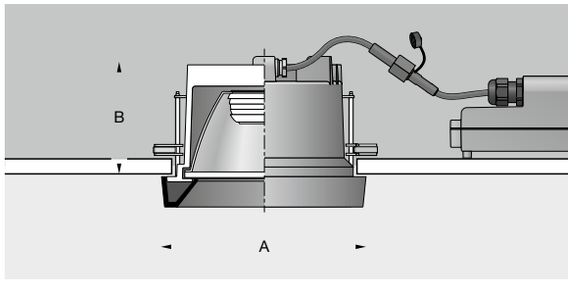
	LED		PSU	β	A	B	AC/DC	
24 259	10,4 W	705 lm	DALI	51/57°	110	90	✔	**10 440**
24 261	13,2 W	1090 lm	DALI	63/64°	145	90	✔	**10 441**
24 263	19,6 W	1620 lm	DALI	70/67°	175	95	✔	**10 442**
24 265	27,1 W	2585 lm	DALI	67/65°	220	115	✔	**10 443**

Flat beam light distribution

	LED		PSU	β	A	B	AC/DC	
24 268	10,0 W	980 lm	DALI	100/57°	145	90	✔	**10 441**
24 269	19,6 W	1825 lm	DALI	100/57°	145	90	✔	**10 441**
24 270	13,2 W	1385 lm	DALI	105/58°	175	95	✔	**10 442**
24 271	28,0 W	2505 lm	DALI	105/58°	175	95	✔	**10 442**



BEGA Hybrid Optics®





Recessed ceiling luminaires
Compact downlights

Recessed ceiling compact downlights with various LED outputs, half beam angles, dimensions and light distributions use BEGA Hybrid Optics® for optimal lighting control. This is made possible by optimal refraction and reflection by precise reflectors, featuring a surface made of pure aluminium and lenses made of ultra-clear silicone. This results in highly efficient, low-loss optical systems with optimum glare suppression and very compact dimensions. Instead we prefer durable and age-resistant materials such as glass, silicone and aluminium. Additional information on BEGA Hybrid Optics® can be found on Page 14. The external power supply units are included in the scope of delivery and are connected to the luminaire by means of a convenient plug connector. The electrical connection of the power supply unit can therefore be established before the final installation of the luminaire, if required by the customer.

Suitable installation housings for installing the luminaire and power supply unit in concrete ceilings can be found in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	720 to 4695 lm
Connected wattage	7.1 to 38.6 W
Size	Ø 110 · 145 · 175 · 220 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Trim ring cast aluminium
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens

External power supply units included
DALI-controllable

BEGA Thermal Management®

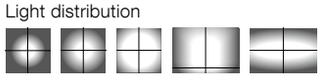
Luminaires with symmetrical and flat beam light distribution:
BEGA Hybrid Optics®

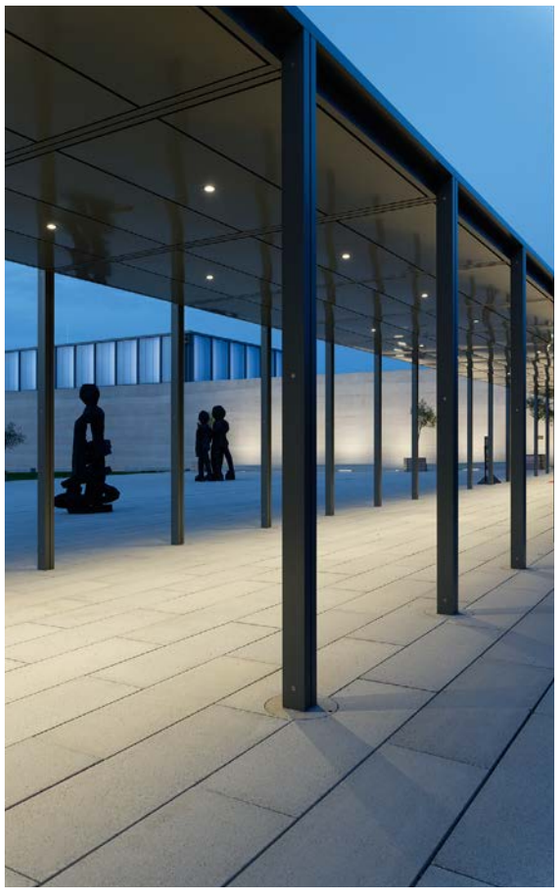
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

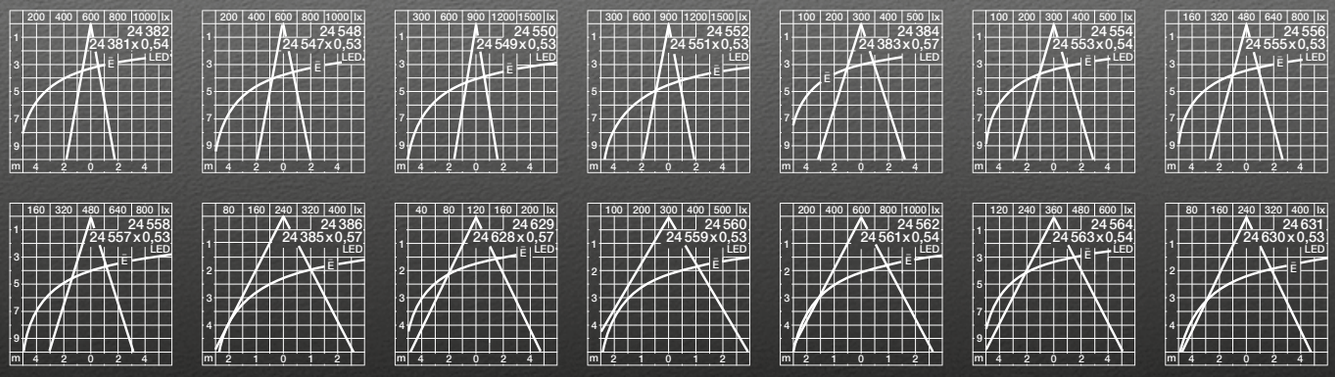
Luminaire colour · BEGA Unidure®
Graphite – article number
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution







Symmetrical light distribution

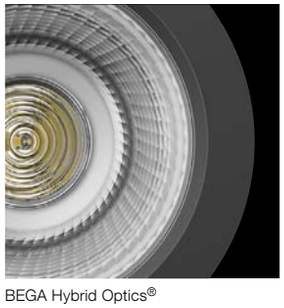
Narrow beam	LED		PSU	β	A	B	AC/DC	
24 381	7,1 W	790 lm	DALI	16°	110	90	✔	**10 440**
24 382	14,0 W	1460 lm	DALI	16°	110	90	✔	**10 440**
24 547	10,0 W	1160 lm	DALI	20°	145	90	✔	**10 441**
24 548	19,6 W	2255 lm	DALI	20°	145	90	✔	**10 441**
24 549	13,2 W	1560 lm	DALI	14°	175	95	✔	**10 442**
24 550	28,0 W	2855 lm	DALI	14°	175	95	✔	**10 442**
24 551	19,4 W	2480 lm	DALI	18°	220	115	✔	**10 443**
24 552	38,6 W	4695 lm	DALI	18°	220	115	✔	**10 443**
Wide beam								
24 383	7,1 W	780 lm	DALI	32°	110	90	✔	**10 440**
24 384	14,0 W	1380 lm	DALI	32°	110	90	✔	**10 440**
24 553	10,0 W	1150 lm	DALI	30°	145	90	✔	**10 441**
24 554	19,6 W	2225 lm	DALI	30°	145	90	✔	**10 441**
24 555	13,2 W	1560 lm	DALI	25°	175	95	✔	**10 442**
24 556	28,0 W	2845 lm	DALI	25°	175	95	✔	**10 442**
24 557	19,4 W	2420 lm	DALI	28°	220	115	✔	**10 443**
24 558	38,6 W	4560 lm	DALI	28°	220	115	✔	**10 443**
Very wide beam								
24 385	7,1 W	785 lm	DALI	58°	110	90	✔	**10 440**
24 386	14,0 W	1385 lm	DALI	58°	110	90	✔	**10 440**
24 628	7,1 W	720 lm	DALI	90°	110	90	✔	**10 440**
24 629	14,0 W	1250 lm	DALI	90°	110	90	✔	**10 440**
24 559	10,0 W	1095 lm	DALI	72°	145	90	✔	**10 441**
24 560	19,6 W	2085 lm	DALI	72°	145	90	✔	**10 441**
24 442	10,0 W	985 lm	DALI	86°	145	90	✔	**10 441**
24 443	19,6 W	1875 lm	DALI	86°	145	90	✔	**10 441**
24 561	13,2 W	1500 lm	DALI	63°	175	95	✔	**10 442**
24 562	28,0 W	2750 lm	DALI	63°	175	95	✔	**10 442**
24 444	13,2 W	1390 lm	DALI	86°	175	95	✔	**10 442**
24 445	28,0 W	2565 lm	DALI	86°	175	95	✔	**10 442**
24 563	19,4 W	2455 lm	DALI	56°	220	115	✔	**10 443**
24 564	38,6 W	4635 lm	DALI	56°	220	115	✔	**10 443**
24 630	19,4 W	2150 lm	DALI	90°	220	115	✔	**10 443**
24 631	38,6 W	4050 lm	DALI	90°	220	115	✔	**10 443**

Asymmetrical light distribution · **Wall washers**

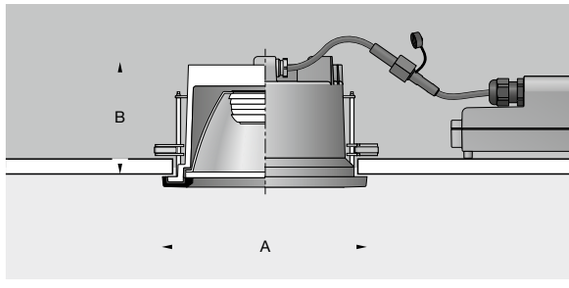
	LED		PSU	β	A	B	AC/DC	
24 369	10,4 W	720 lm	DALI	51/57°	110	90	✔	**10 440**
24 565	13,2 W	1210 lm	DALI	63/64°	145	90	✔	**10 441**
24 566	19,6 W	1900 lm	DALI	70/67°	175	95	✔	**10 442**
24 567	27,1 W	3005 lm	DALI	67/65°	220	115	✔	**10 443**

Flat beam light distribution

	LED		PSU	β	A	B	AC/DC	
24 387	10,0 W	1055 lm	DALI	100/57°	145	90	✔	**10 441**
24 136	19,6 W	2000 lm	DALI	100/57°	145	90	✔	**10 441**
24 388	13,2 W	1385 lm	DALI	105/58°	175	95	✔	**10 442**
24 143	28,0 W	2600 lm	DALI	105/58°	175	95	✔	**10 442**



BEGA Hybrid Optics®



β = Half beam angle Installation housing



Recessed ceiling compact downlights with various LED outputs, half beam angles, dimensions and light distributions use BEGA Hybrid Optics® for optimal lighting control. This is made possible by optimal refraction and reflection by precise reflectors, featuring a surface made of pure aluminium and lenses made of ultra-clear silicone. This results in highly efficient, low-loss optical systems with optimum glare suppression and very compact dimensions. We use durable and age-resistant materials such as glass, aluminium and silicone in these products.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

The external power supply units are included in the scope of delivery and are connected to the luminaire by means of a convenient plug connector. The electrical connection of the power supply unit can therefore be established before the final installation of the luminaire, if required by the customer.

Suitable installation housings for installing the luminaire and power supply unit in concrete ceilings can be found in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	710 to 4535 lm
Connected wattage	7.1 to 38.6 W
Size	Ø 120 · 160 · 180 · 240 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Trim ring made of stainless steel
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens

External power supply units included
DALI-controllable

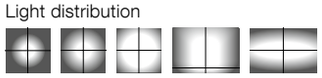
BEGA Thermal Management®

Luminaires with symmetrical and flat beam light distribution:
BEGA Hybrid Optics®

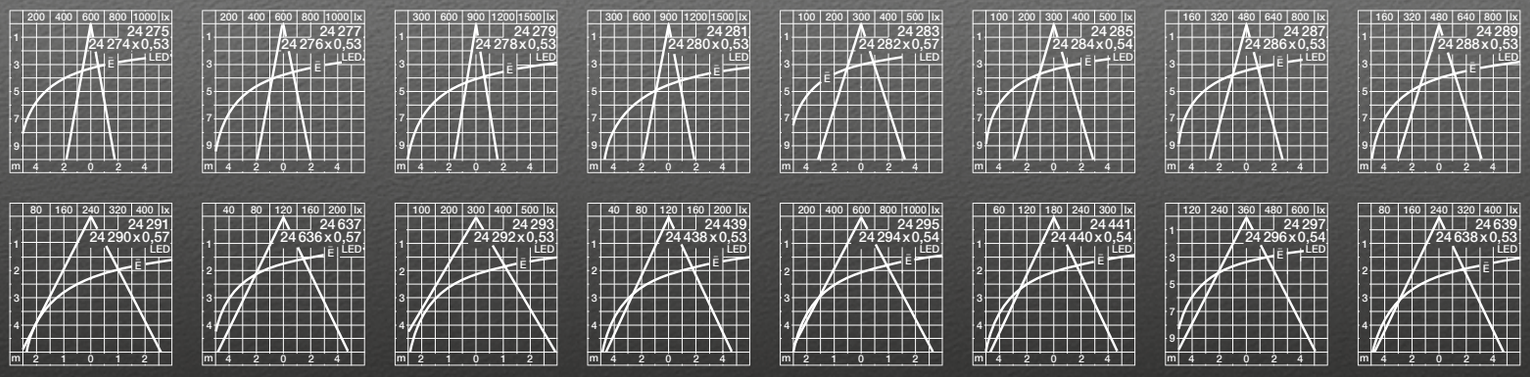
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

20-year availability guarantee for LED modules

Light distribution







Symmetrical light distribution

Narrow beam	LED		PSU	β	A	B	AC/DC	
24 274	7,1 W	785 lm	DALI	16°	120	90	✔	**10 440**
24 275	14,0 W	1445 lm	DALI	16°	120	90	✔	**10 440**
24 276	10,0 W	1120 lm	DALI	20°	160	90	✔	**10 441**
24 277	19,6 W	2075 lm	DALI	20°	160	90	✔	**10 441**
24 278	13,2 W	1565 lm	DALI	14°	180	95	✔	**10 442**
24 279	28,0 W	2930 lm	DALI	14°	180	95	✔	**10 442**
24 280	19,4 W	2445 lm	DALI	18°	240	115	✔	**10 443**
24 281	38,6 W	4535 lm	DALI	18°	240	115	✔	**10 443**
Wide beam								
24 282	7,1 W	775 lm	DALI	32°	120	90	✔	**10 440**
24 283	14,0 W	1365 lm	DALI	32°	120	90	✔	**10 440**
24 284	10,0 W	1160 lm	DALI	30°	160	90	✔	**10 441**
24 285	19,6 W	2155 lm	DALI	30°	160	90	✔	**10 441**
24 286	13,2 W	1625 lm	DALI	25°	180	95	✔	**10 442**
24 287	28,0 W	2965 lm	DALI	25°	180	95	✔	**10 442**
24 288	19,4 W	2345 lm	DALI	28°	240	115	✔	**10 443**
24 289	38,6 W	4365 lm	DALI	28°	240	115	✔	**10 443**
Very wide beam								
24 290	7,1 W	770 lm	DALI	58°	120	90	✔	**10 440**
24 291	14,0 W	1355 lm	DALI	58°	120	90	✔	**10 440**
24 636	7,1 W	720 lm	DALI	90°	120	90	✔	**10 440**
24 637	14,0 W	1250 lm	DALI	90°	120	90	✔	**10 440**
24 292	10,0 W	1155 lm	DALI	72°	160	90	✔	**10 441**
24 293	19,6 W	2180 lm	DALI	72°	160	90	✔	**10 441**
24 438	10,0 W	1015 lm	DALI	86°	160	90	✔	**10 441**
24 439	19,6 W	1930 lm	DALI	86°	160	90	✔	**10 441**
24 294	13,2 W	1595 lm	DALI	60°	180	95	✔	**10 442**
24 295	28,0 W	2915 lm	DALI	60°	180	95	✔	**10 442**
24 440	13,2 W	1425 lm	DALI	86°	180	95	✔	**10 442**
24 441	28,0 W	2635 lm	DALI	86°	180	95	✔	**10 442**
24 296	19,4 W	2230 lm	DALI	56°	240	115	✔	**10 443**
24 297	38,6 W	4115 lm	DALI	56°	240	115	✔	**10 443**
24 638	19,4 W	2150 lm	DALI	90°	240	115	✔	**10 443**
24 639	38,6 W	4050 lm	DALI	90°	240	115	✔	**10 443**

β = Half beam angle Installation housing

Asymmetrical light distribution · **Wall washers**

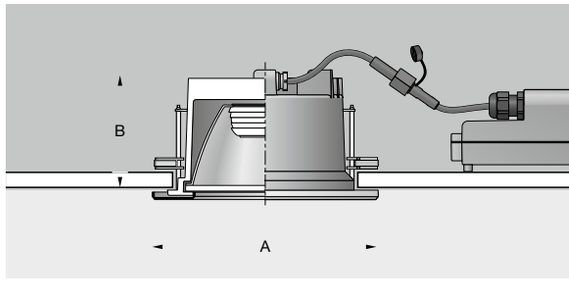
	LED		PSU	β	A	B	AC/DC	
24 299	10,4 W	710 lm	DALI	51/57°	120	90	✔	**10 440**
24 322	13,2 W	1175 lm	DALI	63/64°	160	90	✔	**10 441**
24 324	19,6 W	1750 lm	DALI	70/67°	180	95	✔	**10 442**
24 326	27,1 W	2825 lm	DALI	67/65°	240	115	✔	**10 443**

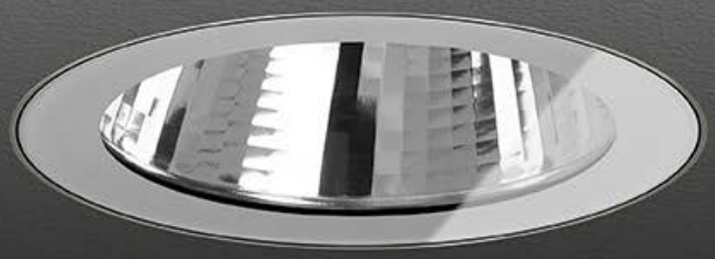
Flat beam light distribution

	LED		PSU	β	A	B	AC/DC	
24 329	10,0 W	1025 lm	DALI	100/57°	160	90	✔	**10 441**
24 330	19,6 W	1905 lm	DALI	100/57°	160	90	✔	**10 441**
24 331	13,2 W	1450 lm	DALI	105/58°	180	95	✔	**10 442**
24 332	28,0 W	2620 lm	DALI	105/58°	180	95	✔	**10 442**



BEGA Hybrid Optics®







For unplastered concrete ceilings



For plastered concrete ceilings

Recessed ceiling luminaires · Compact downlights
For **flush-mounting installation** in unplastered and plastered concrete ceilings

These recessed ceiling compact downlights are specially designed for flush installation in plastered and unplastered concrete ceilings. Suitable installation housings are available for the respective installation situation, including for installation in precast ceilings and in-situ concrete ceilings. Upon completion of the ceiling, the luminaires are inserted into the recessed housing via a bayonet closure.
BEGA compact downlights, which boast both unmistakable lighting technology and an intelligent installation system. Luminaires that make a fascinating visual impression, thanks in particular to the flush integration of the glass in concrete ceilings. Additional information on BEGA Hybrid Optics® can be found on Page 14.

The external power supply units are included in the scope of delivery and are connected to the luminaire by means of a convenient plug connector. The electrical connection of the power supply unit can therefore be established before the final installation of the luminaire, if required by the customer.

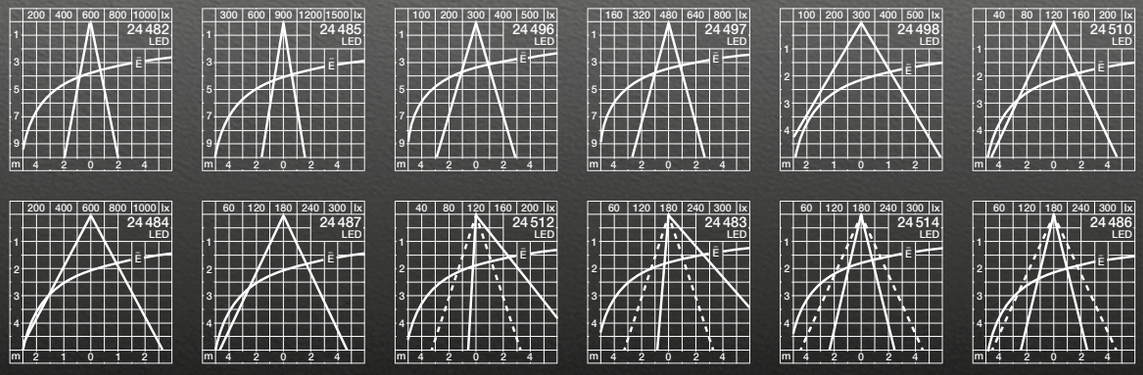
Please note: An installation housing is always required for installing the luminaires. Please order the appropriate installation housing for the installation of the luminaire and power supply unit according to your on-site use.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1210 to 2855 lm
Connected wattage	13.2 to 28.0 W
Size	Ø 135 · 155 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium Optical silicone lens	
External power supply units included DALI-controllable	
BEGA Thermal Management®	
Luminaires with symmetrical and flat beam light distribution: BEGA Hybrid Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	
Light distribution	









BEGA Hybrid Optics®

Symmetrical light distribution

Narrow beam	LED		PSU	β	A	B	AC/DC	Installation housing: For unplastered concrete ceilings	Installation housing: For plastered concrete ceilings
24 482	19,6 W	2255 lm	DALI	20°	135	195	✔	**13 599**	**13 600**
24 485	28,0 W	2855 lm	DALI	14°	155	230	✔	**13 602**	**13 603**
streuend									
24 496	19,6 W	2225 lm	DALI	30°	135	195	✔	**13 599**	**13 600**
24 497	28,0 W	2845 lm	DALI	25°	155	230	✔	**13 602**	**13 603**
Very wide beam									
24 498	19,6 W	2085 lm	DALI	72°	135	195	✔	**13 599**	**13 600**
24 510	19,6 W	1875 lm	DALI	86°	135	195	✔	**13 599**	**13 600**
24 484	28,0 W	2750 lm	DALI	63°	155	230	✔	**13 602**	**13 603**
24 487	28,0 W	2565 lm	DALI	86°	155	230	✔	**13 602**	**13 603**

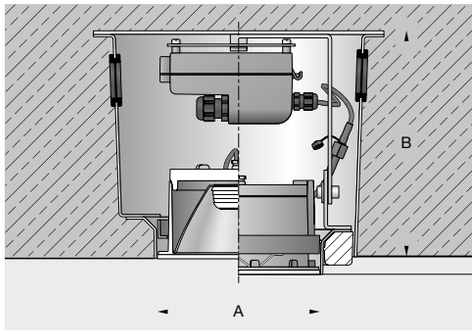
Asymmetrical light distribution · **Wall washers**

	LED		PSU	β	A	B	AC/DC	Installation housing: For unplastered concrete ceilings	Installation housing: For plastered concrete ceilings
24 512	13,2 W	1210 lm	DALI	63/64°	135	195	✔	**13 599**	**13 600**
24 483	19,6 W	1900 lm	DALI	70/67°	155	230	✔	**13 602**	**13 603**

Flat beam light distribution

	LED		PSU	β	A	B	AC/DC	Installation housing: For unplastered concrete ceilings	Installation housing: For plastered concrete ceilings
24 514	19,6 W	2000 lm	DALI	100/57°	135	195	✔	**13 599**	**13 600**
24 486	28,0 W	2600 lm	DALI	105/58°	155	230	✔	**13 602**	**13 603**

β = Half beam angle B = Installation depth





Recessed ceiling downlights with various LED outputs, half beam angles and dimensions for installation in suspended ceilings. Using the appropriate installation housing, the luminaires are also suitable for installation in concrete ceilings.
The crystal glass projecting beyond the ceiling trim ring has a partial matt finish on the inside for optimum glare suppression and directs a part of the light sideways onto the ceiling. This creates additional visual comfort and a brilliant appearance through the intensity of the horizontal illuminance.

The external power supply units are included in the scope of delivery and are connected to the luminaire by means of a convenient plug connector. The electrical connection of the power supply unit can therefore be established before the final installation of the luminaire, if required by the customer.

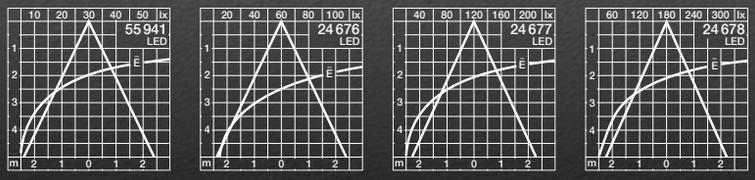
Suitable installation housings for installing the luminaire and power supply unit in concrete ceilings can be found in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

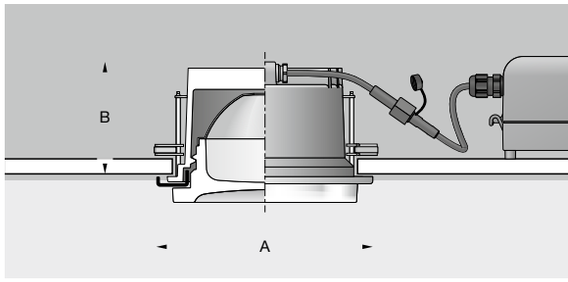
Luminaire data

Luminaire luminous flux	250 to 1395 lm
Connected wattage	4.5 to 22.0 W
Size	Ø 80 · 115 · 155 · 185 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Trim ring made of stainless steel Crystal glass, partially frosted Reflector made of pure anodised aluminium Silicone diffusing lens	
External power supply units included on/off or DALI	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	
Light distribution	





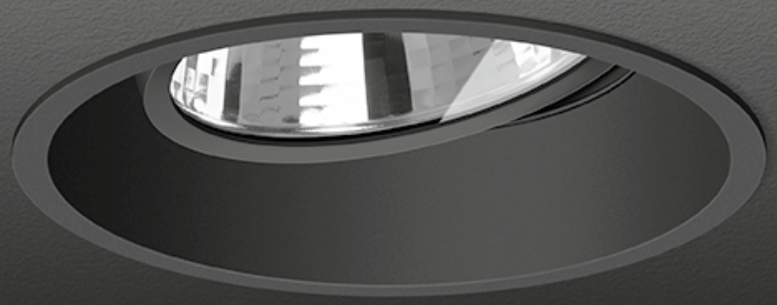


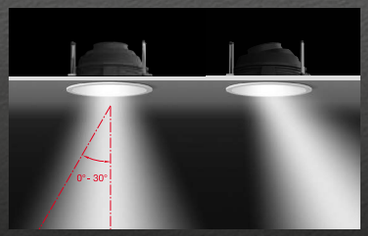


Compact downlights

	LED		PSU	β	A	B	AC/DC	
55 941	4,5 W	250 lm	on/off	43°	80	90	✔	**10 407**
24 676	11,0 W	630 lm	DALI	54°	115	90	✔	**10 440**
24 677	15,5 W	850 lm	DALI	43°	155	90	✔	**10 441**
24 678	22,0 W	1395 lm	DALI	43°	185	95	✔	**10 442**

β = Half beam angle Installation housing







Recessed ceiling luminaires · Downlights
Adjustable light distribution
Luminaires with fixed colour temperature, RGBW or variable colour temperature (tunable white)

The reflector unit used in these recessed ceiling luminaires can be pivoted from 0° to 30° and rotated through 360°. The adjustable inclination angle offers highly flexible solutions for lighting applications on horizontal and sloped ceilings. Different half beam angles and light outputs are also available, as are luminaires with RGBW or tunable white functions.
The luminaires are equipped with BEGA Hybrid Optics® technology.
Diffuser lenses that alter the light distribution with a flat beam are also available.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

The external power supply units are included in the scope of delivery and are connected to the luminaire by means of a convenient plug connector. The electrical connection of the power supply unit can therefore be established before the final installation of the luminaire, if required by the customer.

Suitable installation housings for installing the luminaire and power supply unit in concrete ceilings can be found in the table.

The RGBW luminaires in this series can be controlled using a DALI colour light control (DT 8, RGBWAF, xy, T), and the tunable white luminaires with the help of a DALI colour light control (DT 8, TW). Suitable DALI system components can be found on Page 568.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	420 to 4200 lm
Connected wattage	5.1 to 41.0 W
Size	Ø 115 · 150 · 225 · 265 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens

External power supply units included on/off or DALI

BEGA Thermal Management®

Inclination angle of the reflector
Adjustable from 0° to 30°
can be rotated through 360°

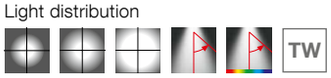
24 530 · 24 533 · 24 541 · 24 531 · 24 534
24 542 · 24 532 · 24 535 · 24 543 · 24 538
24 544 · 24 539 · 24 545 · 24 540 · 24 546
BEGA Hybrid Optics®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**
Colour temperature of tunable white luminaires adjustable from 2700 to 6500 K

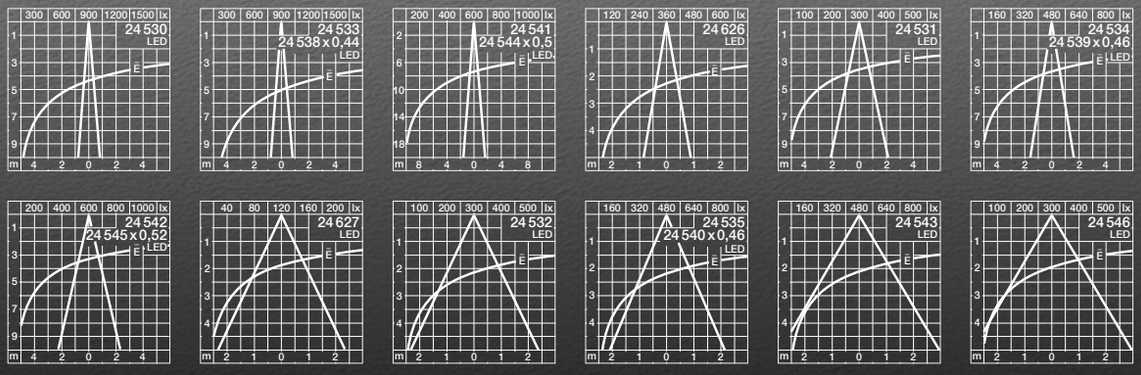
Luminaire colour · BEGA Unidure®
Graphite – article number
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution







Adjustable light distribution · **Fixed** colour temperature

Focused	LED		PSU	β	A	B	AC/DC	Accessories		
24 530	14.3 W	850 lm	DALI	10°	150	100	✔	**10 441**	**10 014**	Integrated
24 533	24.8 W	1600 lm	DALI	8°	225	135	✔	**10 443**	**10 016**	Integrated
24 541	41.0 W	2400 lm	DALI	10°	265	155	✔	**10 444**	**10 019**	Integrated
Wide beam										
24 626	5.1 W	420 lm	on/off	20°	115	90	✔	**10 440**	**10 013**	—
24 531	13.5 W	1400 lm	DALI	24°	150	100	✔	**10 441**	**10 014**	**71 215**
24 534	24.0 W	2500 lm	DALI	18°	225	135	✔	**10 443**	**10 016**	**71 119**
24 542	38.0 W	4200 lm	DALI	24°	265	155	✔	**10 444**	**10 019**	**71 112**
Very wide beam										
24 627	5.1 W	420 lm	on/off	52°	115	90	✔	**10 440**	**10 013**	—
24 532	13.5 W	1400 lm	DALI	50°	150	100	✔	**10 441**	**10 014**	—
24 535	24.0 W	2500 lm	DALI	46°	225	135	✔	**10 443**	**10 016**	—
24 543	38.0 W	4200 lm	DALI	64°	265	155	✔	**10 444**	**10 019**	—

Adjustable light distribution · **RGB W** · For additive colour mixing

Wide beam	LED		PSU	β	A	B	AC/DC	Accessories	
24 607	13.5 W	700 lm	DALI DT8	24°	150	100	✔	**10 441**	**10 014**
24 608	24.0 W	1200 lm	DALI DT8	24°	225	135	✔	**10 443**	**10 016**
24 609	39.0 W	2000 lm	DALI DT8	24°	265	155	✔	**10 444**	**10 019**
Very wide beam									
24 610	13.5 W	700 lm	DALI DT8	56°	150	100	✔	**10 441**	**10 014**
24 611	24.0 W	1200 lm	DALI DT8	56°	225	135	✔	**10 443**	**10 016**
24 612	39.0 W	2000 lm	DALI DT8	56°	265	155	✔	**10 444**	**10 019**

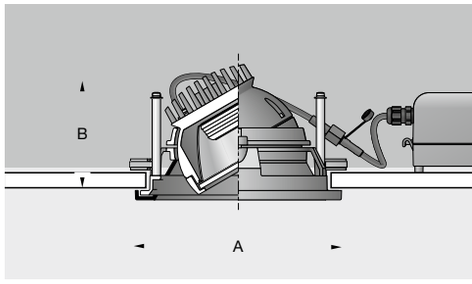
Adjustable light distribution · **Tunable white** · 2700 - 6500 K

Focused	LED		PSU	β	A	B	AC/DC	Accessories		
24 538	13.6 W	710 lm	DALI DT8, TW	8°	225	135	✔	**10 443**	**10 016**	Integrated
24 544	27.5 W	1200 lm	DALI DT8, TW	10°	265	155	✔	**10 444**	**10 019**	Integrated
Wide beam										
24 539	13.2 W	1140 lm	DALI DT8, TW	18°	225	135	✔	**10 443**	**10 016**	**71 119**
24 545	27.0 W	2200 lm	DALI DT8, TW	24°	265	155	✔	**10 444**	**10 019**	**71 112**
Very wide beam										
24 540	13.2 W	1140 lm	DALI DT8, TW	46°	225	135	✔	**10 443**	**10 016**	—
24 546	27.0 W	2200 lm	DALI DT8, TW	64°	265	155	✔	**10 444**	**10 019**	—

β = Half beam angle · Installation housing · Diffuser lenses · Flat beam · Louvres



BEGA Hybrid Optics®





Recessed ceiling luminaire with dual lighting technology · Downlight
Luminaires with fixed colour temperature, RGB W or variable colour temperature (tunable white)

This new recessed ceiling luminaire features two light sources: In the centre of the luminaire, a downlight with BEGA Hybrid Optics® provides a luminous flux of 4250 lm at 3000 K and a 30° half beam angle for the corresponding degree of illuminance on the working plane. A second indirect light source supplies 2250 lm of daylight white light (6500 K) through a hemispherical space in the luminaire and simulates diffuse daylight.

Both light sources, the downlight and the indirect hemispherical light source, are individually DALI-controllable. The interplay of downward-directed, warm white light and indirect daylight white light creates a unique lighting atmosphere that gives the impression of a sunny sky.
The luminaires are equipped with BEGA Hybrid Optics® technology and are also available with RGB W and tunable white functions. Additional information on BEGA Hybrid Optics® can be found on Page 14.

The RGB W luminaires in this series can be controlled using a DALI colour light control (DT 8, RGBWAF, xy), and the tunable white luminaires with the help of a DALI colour light control (DT 8, TW). Suitable DALI system components can be found on Page 568.

Suitable installation housings for installation in concrete ceilings can be found in the table.

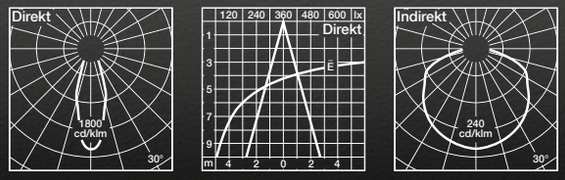
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

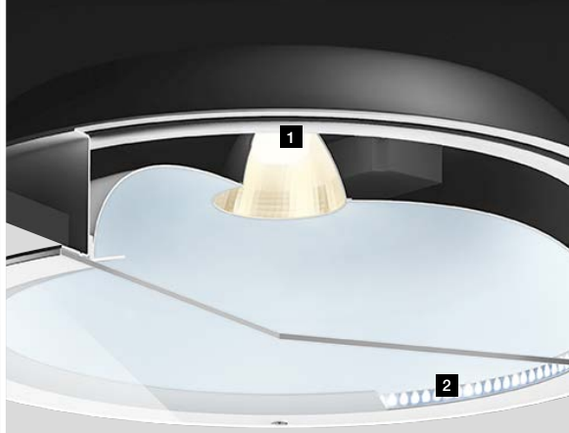
Luminaire data

Luminaire luminous flux	
Direct	4250 lm
Indirect	1400 to 2250 lm
Connected wattage	
Direct	42.6 W
Indirect	35.5 · 45.0 W
Size	Ø 600 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector surface made of pure aluminium	
Optical silicone lens	
Power supply units individually DALI-controllable	
BEGA Thermal Management®	
BEGA Hybrid Optics®	
LED colour temperature 3000 K – article number + **K3**	
Colour temperature of tunable white luminaires adjustable from 2700 to 6500 K	
20-year availability guarantee for LED modules	
Light distribution	









1. **Direct** downward-directed light source · Hybrid Optics®
2. **Indirect** hemispherical light source · Optionally available with fixed colour temperature, RGBW or variable colour temperature (tunable white)

Direct 3000 K · Indirect 6500 K

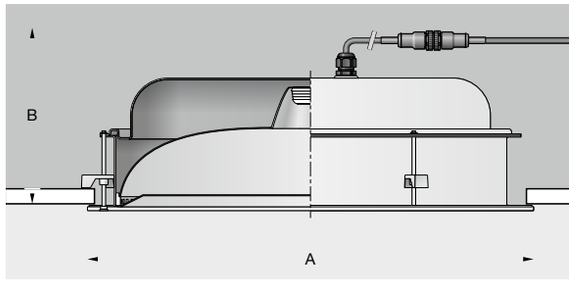
	LED				PSU	β	A	B	AC/DC	
24 650	42.6 W	4250 lm	3000 K	Direct	DALI	30°	600	230	✔	**13 601**
	35.5 W	2250 lm	6500 K	Indirect	DALI					

Direct 3000 K · Indirect **RGBW** for additive colour mixing

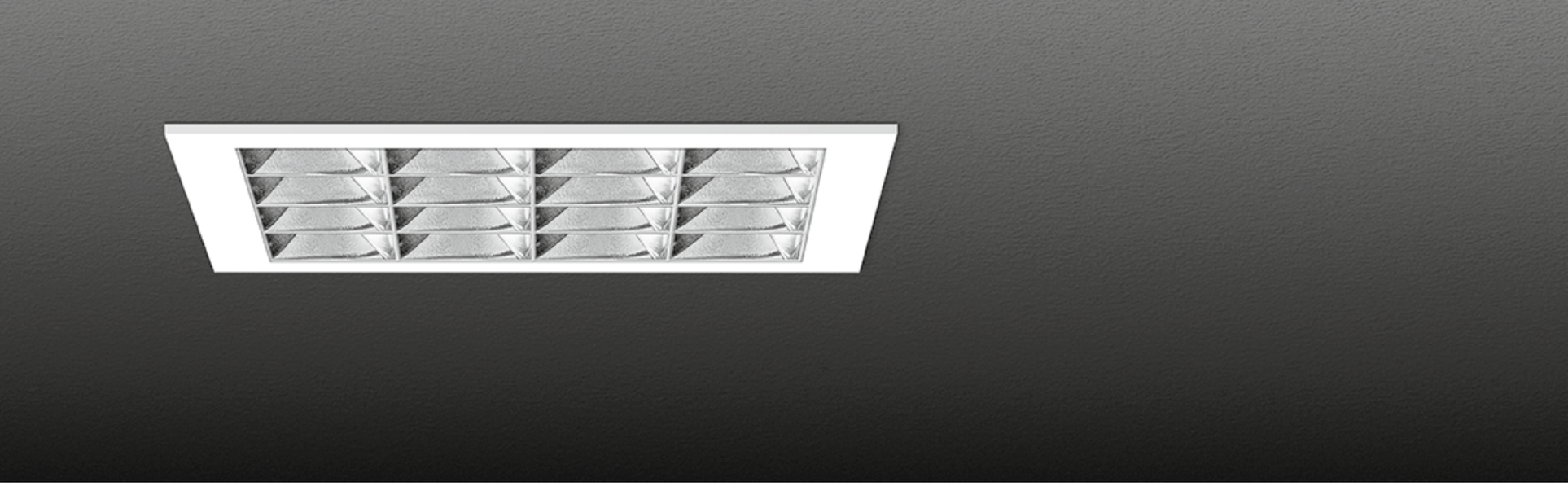
	LED				PSU	β	A	B	AC/DC	
24 652	42.6 W	4250 lm	3000 K	Direct	DALI	30°	600	230	✔	**13 601**
	45.0 W	1400 lm	RGBW	Indirect	DALI					

Direct 3000 K · Indirect **tunable white** 2700 - 6500 K

	LED				PSU	β	A	B	AC/DC	
24 651	42.6 W	4250 lm	3000 K	Direct	DALI	30°	600	230	✔	**13 601**
	35.5 W	2000 lm	2700 - 6500 K	Indirect	DALI					



β = Half beam angle B = Installation depth Installation housing



Square downlights with patented Vortex Optics® with various LED outputs, half beam angles and dimensions for installation in suspended ceilings – as well as in concrete ceilings by means of installation housings.

These luminaires are available with symmetrical narrow beam, symmetrical wide beam, symmetrical very wide beam or asymmetrical light distribution and in different lengths for various lighting applications.
Our patented reflectors (European Patent EP 3098504) enable perfect light deflection through intensive concentration of the light with maximum visual comfort.
Additional information on BEGA Vortex Optics® can be found on Page 14.

The external power supply units are included in the scope of delivery and are connected to the luminaire by means of a convenient plug connector. The electrical connection of the power supply unit can therefore be established before the final installation of the luminaire, if required by the customer.

Suitable installation housings for installing the luminaire and power supply unit in concrete ceilings can be found in the table.

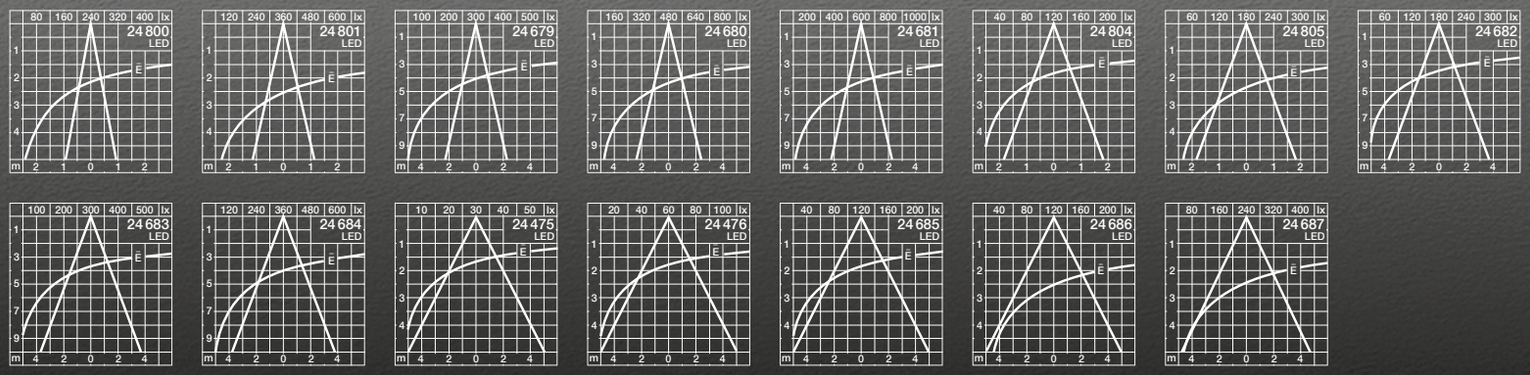
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	335 to 6140 lm
Connected wattage	4.4 to 62.0 W
Size	□ 120 · 155 · 190 · 275 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector surface made of pure aluminium	
External power supply units included on/off or DALI	
BEGA Thermal Management®	
BEGA Vortex Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® White – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	
Light distribution	







Symmetrical narrow beam light distribution

	LED		PSU	β	A	B	AC/DC	
24 800	4.4 W	410 lm	on/off	24°	120	90	✔	**13 500**
24 801	10.4 W	650 lm	on/off	25°	120	90	✔	**13 500**
24 679	21.5 W	1290 lm	DALI	28°	155	90	✔	**13 501**
24 680	39.0 W	2360 lm	DALI	25°	190	90	✔	**13 502**
24 681	62.0 W	4295 lm	DALI	20°	275	100	✔	**13 578**

Symmetrical wide beam light distribution

	LED		PSU	β	A	B	AC/DC	
24 804	4.4 W	425 lm	on/off	40°	120	90	✔	**13 500**
24 805	10.4 W	815 lm	on/off	40°	120	90	✔	**13 500**
24 682	21.5 W	1700 lm	DALI	41°	155	90	✔	**13 501**
24 683	39.0 W	3215 lm	DALI	41°	190	90	✔	**13 502**
24 684	62.0 W	6140 lm	DALI	41°	275	100	✔	**13 578**

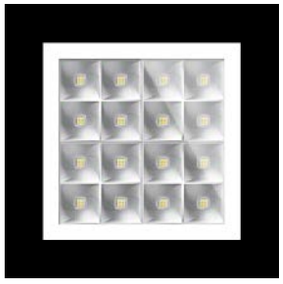
Symmetrical very wide beam light distribution

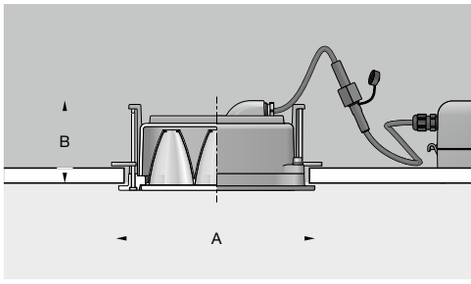
	LED		PSU	β	A	B	AC/DC	
24 475	4.4 W	375 lm	on/off	90°	120	90	✔	**13 500**
24 476	10.4 W	835 lm	on/off	90°	120	90	✔	**13 500**
24 685	21.5 W	1800 lm	DALI	90°	155	90	✔	**13 501**
24 686	39.0 W	3610 lm	DALI	90°	190	90	✔	**13 502**
24 687	62.0 W	5770 lm	DALI	90°	275	100	✔	**13 578**

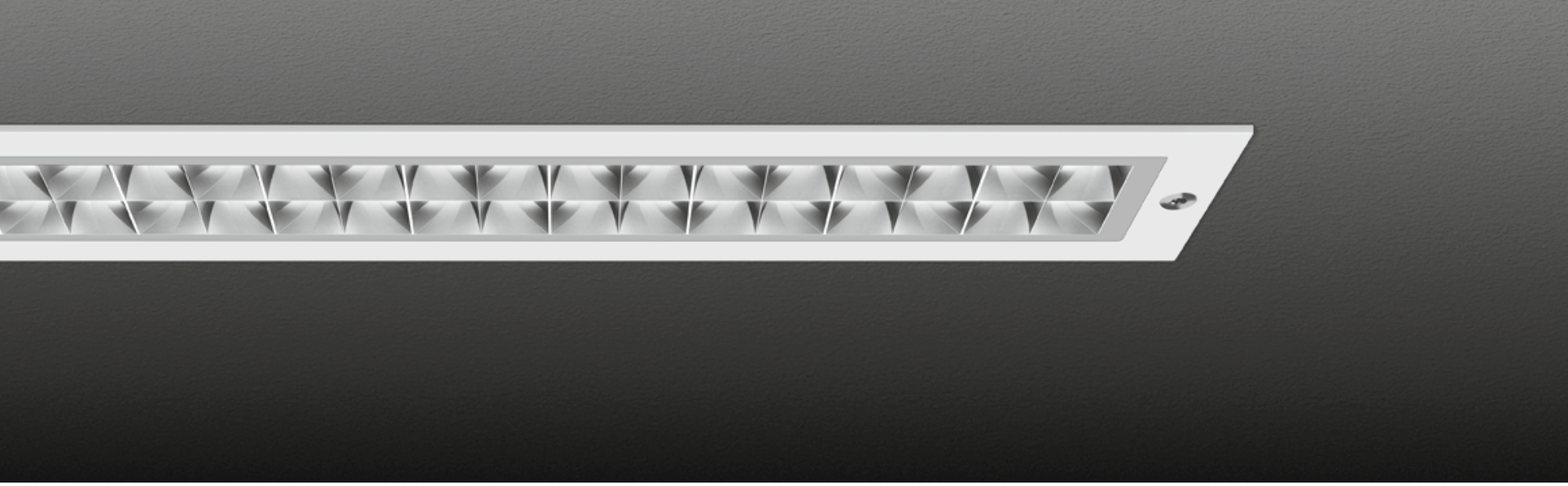
Asymmetrical light distribution

	LED		PSU	β	A	B	AC/DC	
24 812	4.4 W	335 lm	on/off	44/50°	120	90	✔	**13 500**
24 813	10.4 W	710 lm	on/off	46/52°	120	90	✔	**13 500**
24 688	21.5 W	1570 lm	DALI	46/52°	155	90	✔	**13 501**
24 689	39.0 W	2795 lm	DALI	46/52°	190	90	✔	**13 502**
24 690	62.0 W	5745 lm	DALI	46/52°	275	100	✔	**13 578**

β = Half beam angle Installation housing







Linear downlights with patented BEGA Vortex Optics® with various LED outputs, half beam angles and lengths for installation in suspended ceilings – as well as in concrete ceilings, using installation housings. These luminaires are available with symmetrical narrow beam, symmetrical wide beam, symmetrical very wide beam or asymmetrical light distribution and in different lengths for various lighting applications. Our patented (European patent EP 3098504) reflectors enable perfect light deflection through intensive concentration of the light with maximum visual comfort. Additional information on BEGA Vortex Optics® can be found on Page 14.

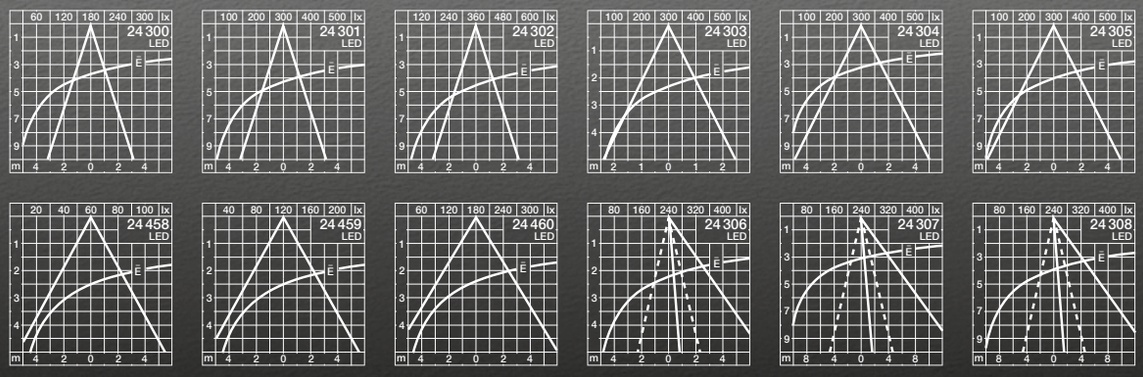
Shallow installation depths, high light output and a high protection class make these luminaires durable and reliable lighting tools for both indoor and outdoor use. Suitable installation housings for installation in concrete ceilings can be found in the table. We recommend the use of an installation frame if the luminaires are to be installed in suspended ceilings.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1580 to 6955 lm
Connected wattage	18.3 to 54.4 W
Luminaire length	550 · 1045 · 1535 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium	
DALI-controllable power supply units.	
BEGA Thermal Management®	
BEGA Vortex Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® White – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	
Light distribution	





Symmetrical narrow beam light distribution

	LED		PSU	β	A	B	AC/DC	Accessories: Installation housing	Accessories: Installation frame
24 300	18.3 W	1580 lm	DALI	34°	550 × 76	105	✔	**13 579**	**13 516**
24 301	35.6 W	3255 lm	DALI	34°	1045 × 76	105	✔	**13 580**	**13 517**
24 302	54.4 W	4790 lm	DALI	34°	1535 × 76	105	✔	**13 581**	**13 518**

Symmetrical wide beam light distribution

	LED		PSU	β	A	B	AC/DC	Accessories: Installation housing	Accessories: Installation frame
24 303	18.3 W	2190 lm	DALI	55°	550 × 76	105	✔	**13 579**	**13 516**
24 304	35.6 W	4380 lm	DALI	55°	1045 × 76	105	✔	**13 580**	**13 517**
24 305	54.4 W	6955 lm	DALI	55°	1535 × 76	105	✔	**13 581**	**13 518**

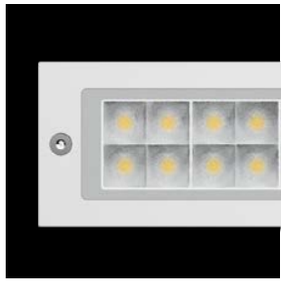
Symmetrical very wide beam light distribution

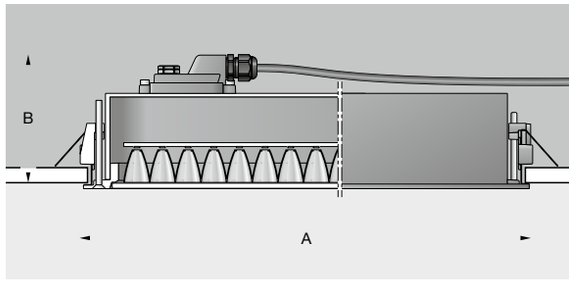
	LED		PSU	β	A	B	AC/DC	Accessories: Installation housing	Accessories: Installation frame
24 458	18.3 W	1920 lm	DALI	95°	550 × 76	105	✔	**13 579**	**13 516**
24 459	35.6 W	4065 lm	DALI	95°	1045 × 76	105	✔	**13 580**	**13 517**
24 460	54.4 W	6170 lm	DALI	95°	1535 × 76	105	✔	**13 581**	**13 518**

Asymmetrical light distribution

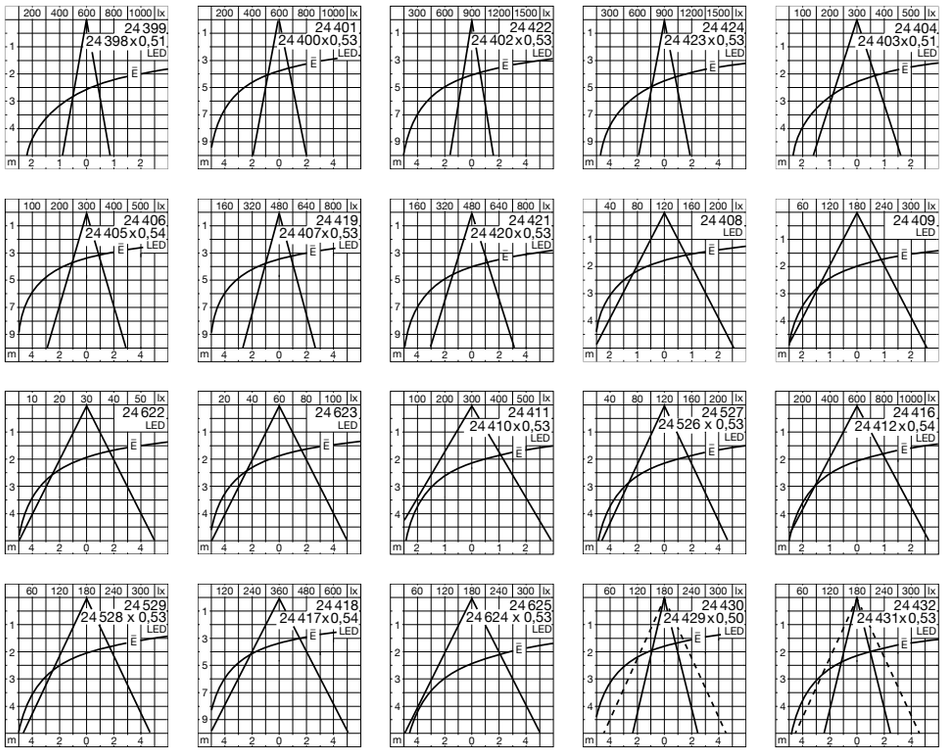
	LED		PSU	β	A	B	AC/DC	Accessories: Installation housing	Accessories: Installation frame
24 306	18.3 W	1980 lm	DALI	42/50°	550 × 76	105	✔	**13 579**	**13 516**
24 307	35.6 W	4025 lm	DALI	42/50°	1045 × 76	105	✔	**13 580**	**13 517**
24 308	54.4 W	6210 lm	DALI	42/50°	1535 × 76	105	✔	**13 581**	**13 518**

β = Half beam angle









Ceiling luminaires · Compact downlights

Compact downlight ceiling luminaires with BEGA Hybrid Optics®. This combination of lens and reflector takes advantage of both the lens and reflector technology.
This results in highly efficient, low-loss optical systems with optimum glare suppression and very compact dimensions. We use durable and and almost age-resistant materials such as glass, aluminium and silicone.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

These luminaires are available with different LED outputs, half beam angles and dimensions.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	440 to 4635 lm
Connected wattage	5.0 to 39.0 W
Size	Ø 100 · 130 · 150 · 190 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel

Safety glass

Optical silicone lens

Luminaires with symmetrical or flat beam light distribution and DALI power supply unit:
BEGA Hybrid Optics®

Reflector surface made of pure aluminium

on/off or DALI-controllable power supply units

BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution





Symmetrical light distribution

Narrow beam	LED		PSU	β	A	B	AC/DC
24 398	5.0 W	480 lm	on/off	17°	100	110	✔
24 399	9.2 W	915 lm	on/off	17°	100	110	✔
24 400	9.5 W	1175 lm	DALI	20°	130	135	✔
24 401	19.3 W	2205 lm	DALI	20°	130	135	✔
24 402	13.2 W	1555 lm	DALI	14°	150	150	✔
24 422	27.0 W	2860 lm	DALI	14°	150	150	✔
24 423	18.8 W	2485 lm	DALI	18°	190	190	✔
24 424	39.0 W	4635 lm	DALI	18°	190	190	✔
Wide beam							
24 403	5.0 W	480 lm	on/off	31°	100	110	✔
24 404	9.2 W	915 lm	on/off	31°	100	110	✔
24 405	9.5 W	1190 lm	DALI	39°	130	135	✔
24 406	19.3 W	2220 lm	DALI	39°	130	135	✔
24 407	13.2 W	1550 lm	DALI	32°	150	150	✔
24 419	27.0 W	2825 lm	DALI	32°	150	150	✔
24 420	18.8 W	2450 lm	DALI	34°	190	190	✔
24 421	39.0 W	4580 lm	DALI	34°	190	190	✔
Very wide beam							
24 408	5.0 W	470 lm	on/off	54°	100	110	✔
24 409	9.2 W	900 lm	on/off	54°	100	110	✔
24 622	5.0 W	440 lm	on/off	90°	100	110	✔
24 623	9.2 W	820 lm	on/off	90°	100	110	✔
24 410	9.5 W	1190 lm	DALI	72°	130	135	✔
24 411	19.3 W	2230 lm	DALI	72°	130	135	✔
24 526	9.5 W	965 lm	DALI	90°	130	135	✔
24 527	19.3 W	1835 lm	DALI	90°	130	135	✔
24 412	13.2 W	1555 lm	DALI	62°	150	150	✔
24 416	27.0 W	2835 lm	DALI	62°	150	150	✔
24 528	13.2 W	1395 lm	DALI	90°	150	110	✔
24 529	27.0 W	2620 lm	DALI	90°	150	110	✔
24 417	18.8 W	2420 lm	DALI	59°	190	190	✔
24 418	39.0 W	4520 lm	DALI	59°	190	190	✔
24 624	18.8 W	2150 lm	DALI	90°	190	110	✔
24 625	39.0 W	4050 lm	DALI	90°	190	110	✔

β = Half beam angle

Asymmetrical light distribution · **Wall washer**

	LED		PSU	β	A	B	AC/DC
24 425	9.2 W	715 lm	on/off	51/59°	100	110	✔
24 426	13.2 W	1315 lm	DALI	63/64°	130	135	✔
24 427	19.3 W	1930 lm	DALI	70/67°	150	150	✔
24 428	27.5 W	3030 lm	DALI	67/65°	190	190	✔

Flat beam light distribution

	LED		PSU	β	A	B	AC/DC
24 429	9.5 W	1105 lm	DALI	100/57°	130	135	✔
24 430	19.3 W	2070 lm	DALI	100/57°	130	135	✔
24 431	13.2 W	1330 lm	DALI	105/58°	150	150	✔
24 432	27.0 W	2410 lm	DALI	105/58°	150	150	✔





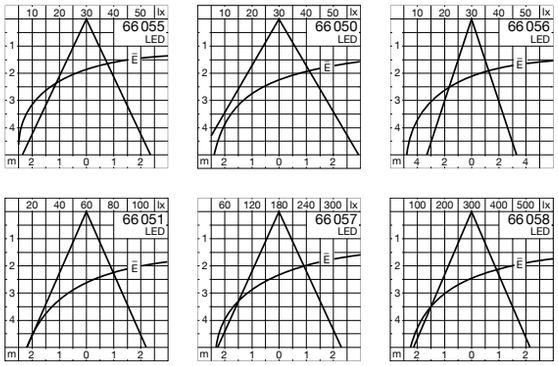
Ceiling luminaires · Compact downlights
With additional vertical light component

The partially frosted crystal glass defines the look of these compact and efficient ceiling luminaires and supplements the downward-directed light with an additional vertical light component. It also directs part of the light laterally onto the ceiling surface, providing horizontal illuminance and very pleasant visual comfort.
A high protection class and exceptional workmanship make these luminaires reliable lighting tools for use in many different architectural areas. They are lighting tools that can be relied upon for many years – both indoors and out.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	300 to 3275 lm
Connected wattage	4.1 to 39.3 W
Size	Ø 95 · 125 · 150 · 190 · 220 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, partially frosted Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Very wide beam light distribution With additional vertical light component	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number White – article number + **W**	
20-year availability guarantee for LED modules	







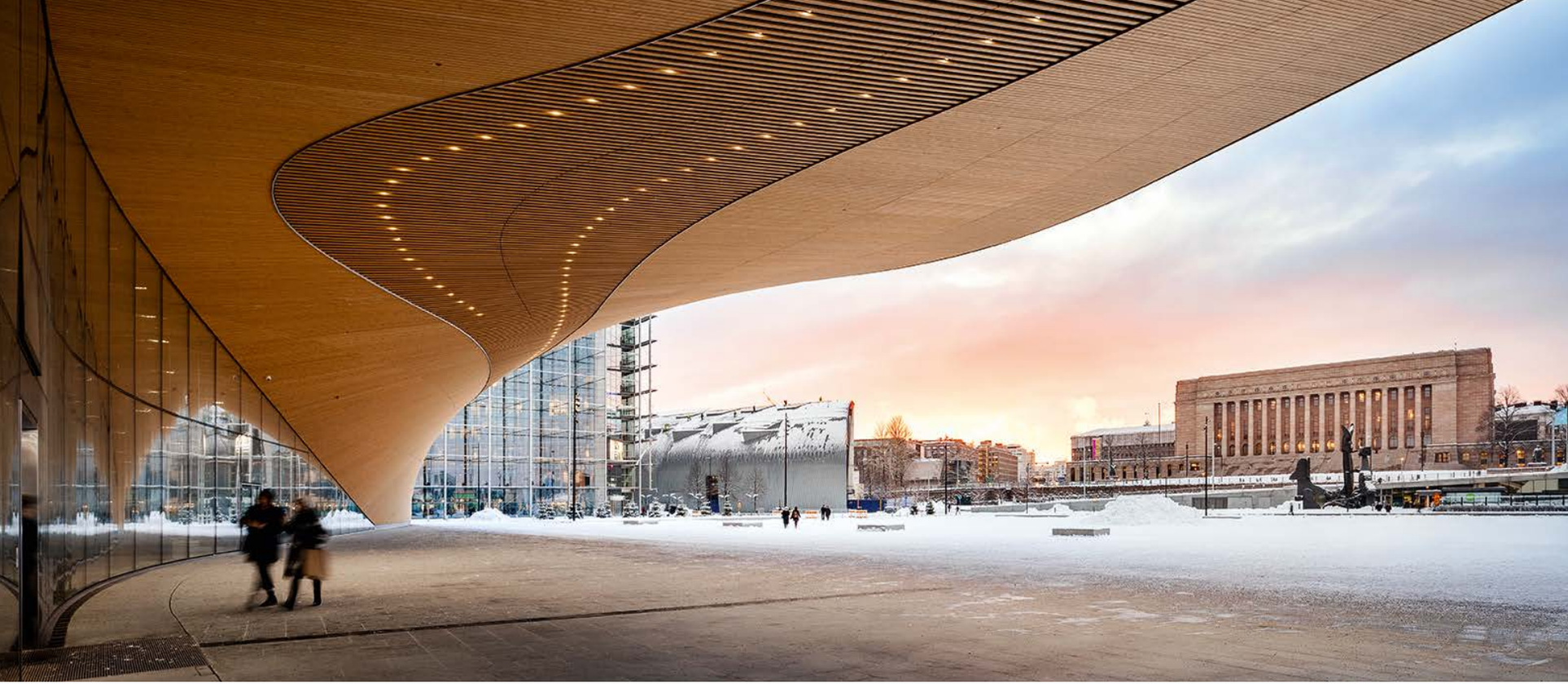
Compact downlights

	LED		PSU	β	A	B	AC/DC
66 055	4.1 W	300 lm	on/off	70°	95	95	✔
66 050	5.4 W	495 lm	without*	68°	95	95	—
66 056	5.9 W	575 lm	on/off	62°	125	115	✔
66 051	11.7 W	800 lm	DALI	57°	150	135	✔
66 057	18.0 W	1925 lm	DALI	53°	190	160	✔
66 058	39.3 W	3275 lm	DALI	46°	220	175	✔



*Safety class III · Suitable 24 V DC power supply units can be found on Page 566.

β = Half beam angle



Ceiling luminaires · Compact downlights

A series of highly efficient ceiling luminaire downlights with various housing sizes, light distributions and light outputs that set new standards in terms of economy and compactness.
These luminaires are available with different light distributions for various lighting applications.
Our patented (European patent EP 30 98 504) reflectors enable perfect light deflection through intensive concentration of the light with maximum visual comfort.
Additional information on BEGA Vortex Optics® can be found on Page 14.
A high protection class and exceptional workmanship make them durable and reliable lighting tools for both indoor and outdoor use.

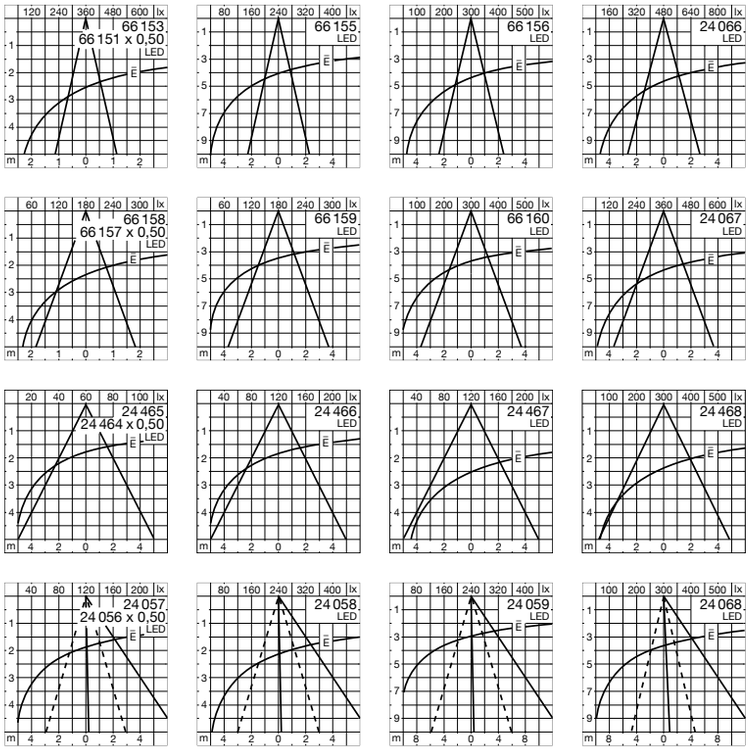
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	335 to 6910 lm
Connected wattage	4.1 to 70.0 W
Size	☐ 95 · 130 · 170 · 250 mm
Protection class IP 65	
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
BEGA Vortex Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number White – article number + **W**	
20-year availability guarantee for LED modules	

Light distribution











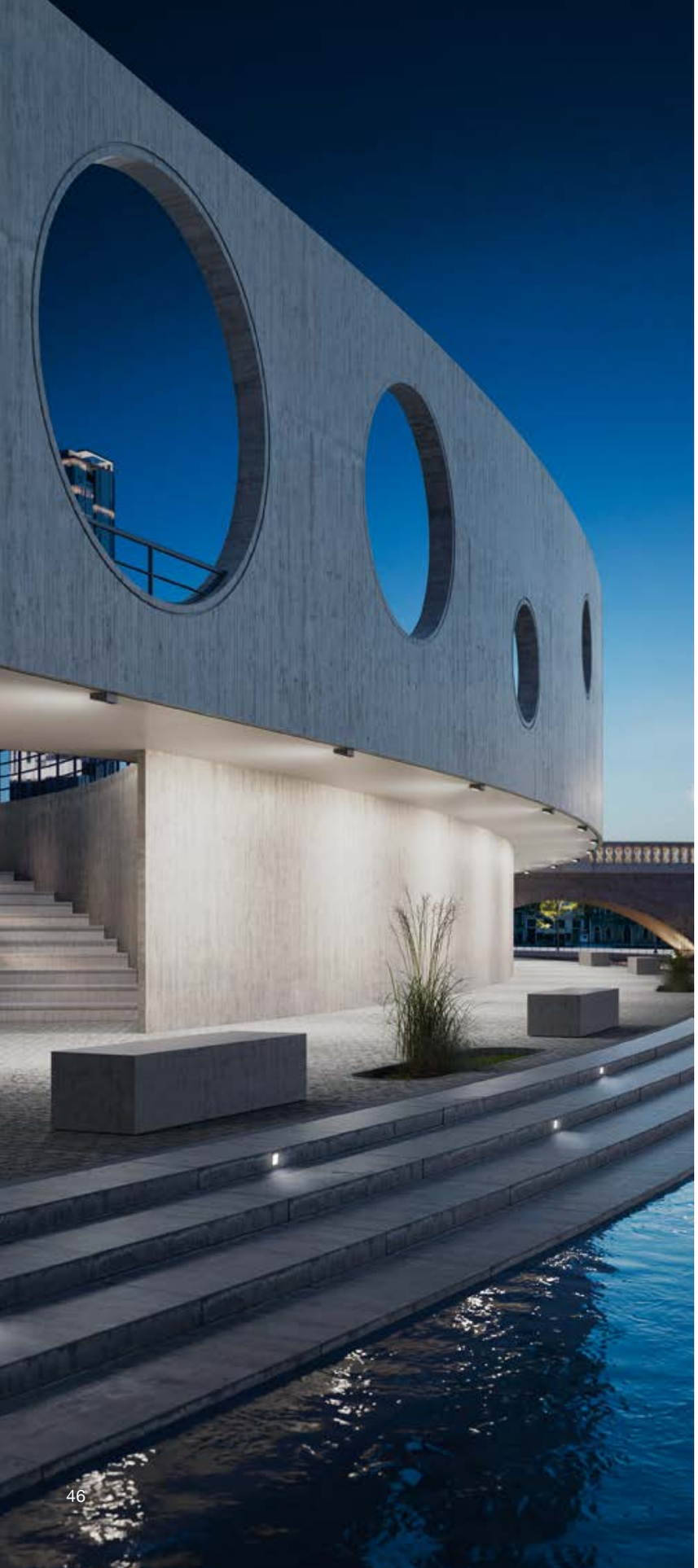
Symmetrical light distribution

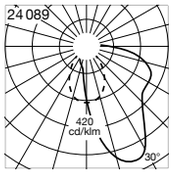
Narrow beam	LED		PSU	β	A	B	AC/DC
66 151	4.1 W	350 lm	on/off	24°	95 × 95	90	✔
66 153	9.6 W	635 lm	on/off	25°	95 × 95	90	✔
66 155	20.2 W	1370 lm	DALI	25°	130 × 130	100	✔
66 156	37.7 W	2615 lm	DALI	27°	170 × 170	100	✔
24 066	70.0 W	4825 lm	DALI	18°	250 × 250	110	✔
Wide beam							
66 157	4.1 W	425 lm	on/off	40°	95 × 95	90	✔
66 158	9.6 W	820 lm	on/off	38°	95 × 95	90	✔
66 159	20.2 W	1665 lm	DALI	38°	130 × 130	100	✔
66 160	37.7 W	3415 lm	DALI	41°	170 × 170	100	✔
24 067	70.0 W	6910 lm	DALI	41°	250 × 250	110	✔
Very wide beam							
24 464	4.1 W	405 lm	on/off	90°	95 × 95	90	✔
24 465	9.6 W	845 lm	on/off	90°	95 × 95	90	✔
24 466	20.2 W	1755 lm	DALI	90°	130 × 130	100	✔
24 467	37.7 W	3625 lm	DALI	90°	170 × 170	100	✔
24 468	70.0 W	6575 lm	DALI	90°	250 × 250	110	✔

β = Half beam angle

Asymmetrical wide beam light distribution

	LED		PSU	β	A	B	AC/DC
24 056	4.1 W	335 lm	on/off	50/52°	95 × 95	90	✔
24 057	9.6 W	585 lm	on/off	50/52°	95 × 95	90	✔
24 058	20.2 W	1490 lm	DALI	50/52°	130 × 130	100	✔
24 059	37.7 W	2495 lm	DALI	46/52°	170 × 170	100	✔
24 068	70.0 W	6825 lm	DALI	46/52°	250 × 250	110	✔









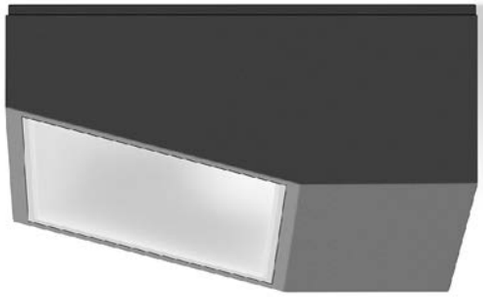
Ceiling luminaires · Compact downlights
Wall washers

Highly compact and efficient ceiling luminaire downlights with asymmetrical very wide beam light distribution.
Surface-mounted ceiling luminaires for the uniform illumination of walls.
Luminaires with high light outputs that can be used to achieve impressive lighting effects.
A high protection class and exceptional workmanship make these luminaires durable and reliable lighting tools for both indoor and outdoor use.

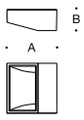
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2840 · 5380 lm
Connected wattage	22.1 · 40.0 W
Size	□ 170 · 245 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units.	
BEGA Thermal Management®	
Asymmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number White – article number + **W**	
20-year availability guarantee for LED modules	

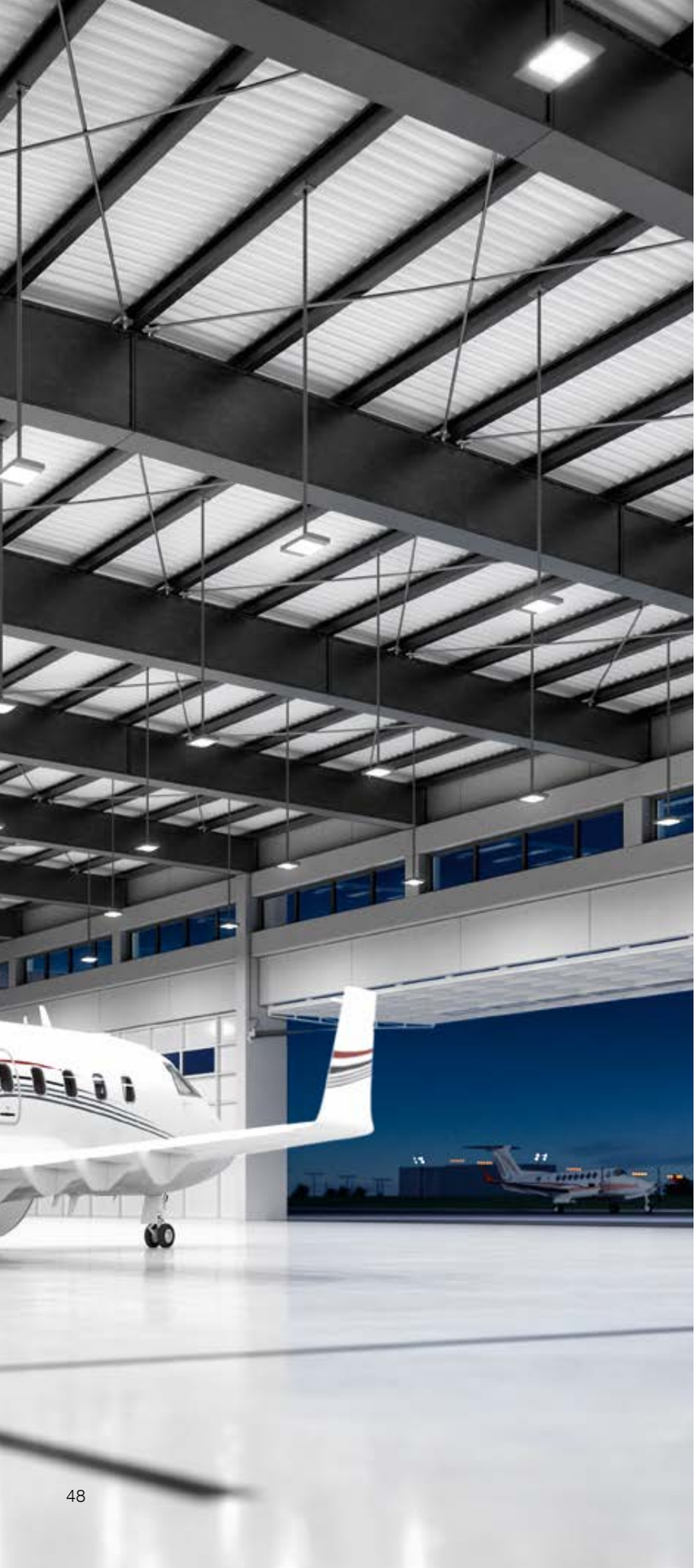


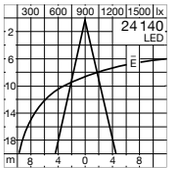


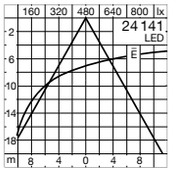


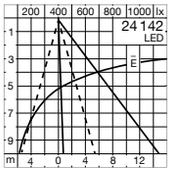
Compact downlights · **Wall washers**

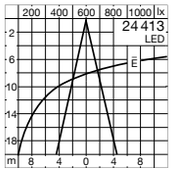
	LED		PSU	A	B	AC/DC
24 089	22.1 W	2840 lm	DALI	170 × 170	75	✔
24 090	40.0 W	5380 lm	DALI	245 × 245	105	✔

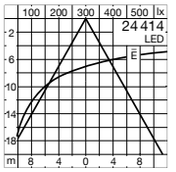


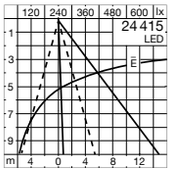












Hall downlights · High Bay

Hall downlights are luminaires for large, high-ceilinged rooms such as departure halls, factories, sports halls and auditoriums. BEGA hall downlights not only impress with their high light output and compact dimensions, but also their high overall quality. The optical system of these luminaires sets new standards in terms of glare suppression and ensures maximum visual comfort.
For light control and efficiency optimisation we use durable and almost age-resistant materials such as glass, aluminium, and silicone.
Our highly efficient reflectors are available with three different forms of light distribution for your planning work.

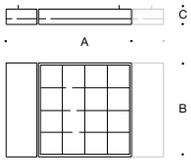
BEGA High Bay luminaires can either be mounted directly under ceilings and cantilever plates with a mounting frame or suspended from high ceilings with the steel wire set. The mounting frame and steel wire set are BEGA accessories and must be ordered separately. The luminaires are also equipped with suspension devices so that they may be suspended by means of on-site fixings.
Technical data on the corresponding BEGA mounting frames and the BEGA steel wire set can be found in the data sheets on our website.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	15 495 to 35 775 lm
Connected wattage	170.0 · 298.0 W
Length	590 · 745 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium	
DALI-controllable power supply units.	
24 140 · 24 141 · 24 142 Output adjustable in four steps 100 % · 70 % · 50 % · 30 %	
Ambient temperatures · max. t_a = 40/50 °C BEGA Thermal Management®	
Ballproof	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution	





Symmetrical light distribution									Mounting frame	Steel wire set
Narrow beam	LED		max. t_a	PSU	A	B	C	AC/DC		
24 413	170.0 W	21 640 lm	50 °C	DALI	590	440	105	✔	**13 575**	**13 582**
24 140	298.0 W	35 775 lm	40 °C	DALI	745	440	105	✔	**13 576**	**13 582**
Wide beam										
24 414	170.0 W	20 660 lm	50 °C	DALI	590	440	105	✔	**13 575**	**13 582**
24 141	298.0 W	33 185 lm	40 °C	DALI	745	440	105	✔	**13 576**	**13 582**

Asymmetrical wide beam light distribution									Mounting frame	Steel wire set
	LED		max. t_a	PSU	A	B	C	AC/DC		
24 415	170.0 W	15 495 lm	50 °C	DALI	590	440	105	✔	**13 575**	**13 582**
24 142	298.0 W	27 705 lm	40 °C	DALI	745	440	105	✔	**13 576**	**13 582**

max. t_a = maximum ambient temperature



Linear ceiling luminaires · Downlights

A series of highly efficient linear downlights with various housing lengths, light distributions and light outputs that set new standards in terms of economy and compactness.
Efficient luminaires that impress with their compact dimensions and overall quality of the components.
Perfect light deflection is made possible by BEGA Vortex Optics® – (European patent EP 3098504) twisted reflectors, which ensure intensive light concentration and optimum light distribution without artefacts. BEGA Vortex Optics® also delivers excellent glare limitation and maximum visual comfort.



BEGA Vortex Optics®

Additional information on BEGA Vortex Optics® can be found on Page 14.

These luminaires are available with different light distributions for various lighting applications.

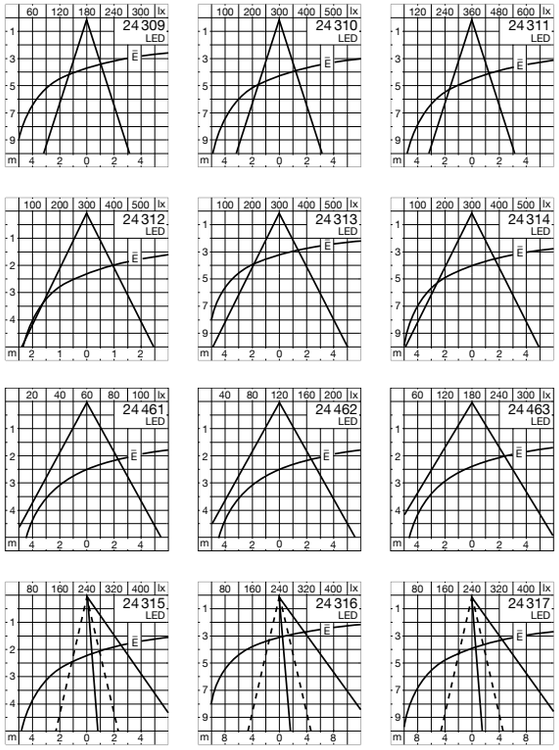
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

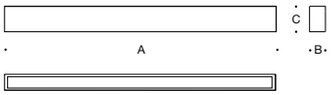
Luminaire data

Luminaire luminous flux	1580 to 6955 lm
Connected wattage	18.3 to 54.4 W
Length	520 · 1015 · 1505 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium	
DALI-controllable power supply units.	
BEGA Thermal Management®	
BEGA Vortex Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution	











Symmetrical narrow beam light distribution

	LED		PSU	β	A	B	C	AC/DC
24 309	18.3 W	1580 lm	DALI	34°	520	60	105	✔
24 310	35.6 W	3255 lm	DALI	34°	1015	60	105	✔
24 311	54.4 W	4790 lm	DALI	34°	1505	60	105	✔



Symmetrical wide beam light distribution

	LED		PSU	β	A	B	C	AC/DC
24 312	18.3 W	2190 lm	DALI	55°	520	60	105	✔
24 313	35.6 W	4380 lm	DALI	55°	1015	60	105	✔
24 314	54.4 W	6955 lm	DALI	55°	1505	60	105	✔



Symmetrical very wide beam light distribution

	LED		PSU	β	A	B	C	AC/DC
24 461	18.3 W	1955 lm	DALI	95°	520	60	105	✔
24 462	35.6 W	3840 lm	DALI	95°	1015	60	105	✔
24 463	54.4 W	6240 lm	DALI	95°	1505	60	105	✔



Asymmetrical light distribution

	LED		PSU	β	A	B	C	AC/DC
24 315	18.3 W	1980 lm	DALI	42/50°	520	60	105	✔
24 316	35.6 W	4025 lm	DALI	42/50°	1015	60	105	✔
24 317	54.4 W	6210 lm	DALI	42/50°	1505	60	105	✔

β = Half beam angle





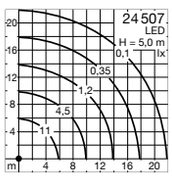
Pendant luminaires
Shielded light, symmetrical wide beam light distribution

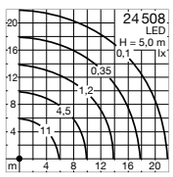
Pendant luminaires in two versions.
An integral reflector unit directs the light downwards in a rotationally symmetrical wide beam. The luminaires with their clear synthetic cylinder create a vertical light fraction in addition to the horizontal illuminance. Parts of the building in the immediate vicinity of the luminaires are thus illuminated and persons easily identified – luminaires for good visual comfort in arcades, galleries and passageways. Pendant luminaires for catenary systems with the same design features can be found on Page 512.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

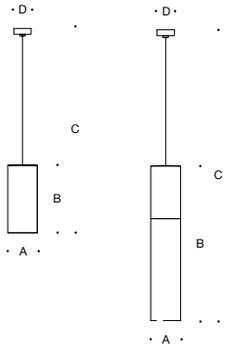
Luminaire data

Luminaire luminous flux	4295 · 4725 lm
Connected wattage	39.0 W
Size	Ø 190 mm
Protection class IP 65	
Cast aluminium, aluminium and stainless steel 24 507 safety glass 24 508 clear synthetic cylinder Reflector made of pure anodised aluminium Cable pendant and mounting box	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Shielded light, symmetrical wide beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	





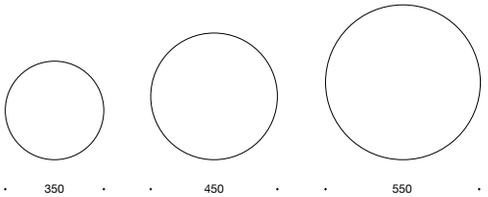




Pendant luminaire								
	LED		PSU	A	B	C	D	AC/DC
24 507	39.0 W	4295 lm	DALI	190	440	2630	110	✔

Pendant luminaire **with clear synthetic cylinder**								
	LED		PSU	A	B	C	D	AC/DC
24 508	39.0 W	4725 lm	DALI	190	985	3180	110	✔





The sphere · Pendant luminaires
Unshielded light

The sphere is the classic unshielded pendant luminaire. These timeless luminaires have lost none of their topicality. They have been integral components of our indoor and outdoor luminaire ranges for decades.
They create unshielded light with a high degree of uniformity and ensure good visual comfort in arcades, galleries and passageways.

We supply the luminaires with built-in LED modules or as an E 27 screw base version with corresponding LED lamp.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1160 to 8105 lm
Connected wattage	12.0 to 50.2 W
Size	Ø 350 · 450 · 550 mm
Protection class	IP 64
Cast aluminium, aluminium and stainless steel Synthetic material, white Mounting box, white Black cable pendant	
Luminaires with LED module: DALI-controllable power supply units. BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® ☐ White	
20-year availability guarantee for LED modules	

Fig. left: Custom-made pendant luminaires with white cable pendant and no mounting box.





Pendant luminaires

	LED		PSU	A	B	D	AC/DC
24 129	17.6 W	2545 lm	DALI	350	2000	115	✔
24 130	38.1 W	5795 lm	DALI	450	3000	115	✔
24 131	50.2 W	8105 lm	DALI	550	4000	115	✔
	LED lamp included		Base				
66 105	1 × 12.0 W	1160 lm	E 27	350	2000	115	—

Technical data for BEGA LED lamps can be found on Page 564.





Large-area luminaires for ceilings and walls

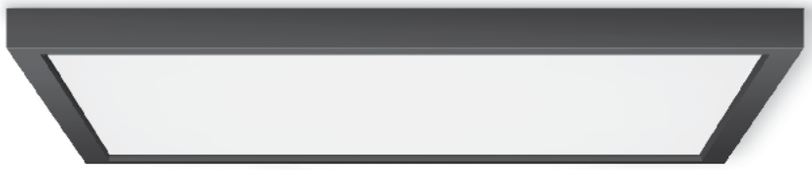
BEGA large-area luminaires are luminaires for uniform light over extremely large areas. With large diameters and impressive light output, these luminaires open up new and creative design options for many architectural areas.
Either as a single luminaire or as an arrangement of different luminaire sizes, they unleash their impressive light effect. The luminaires are illuminating design elements that, in addition to their lighting function, give character to walls or rooms.

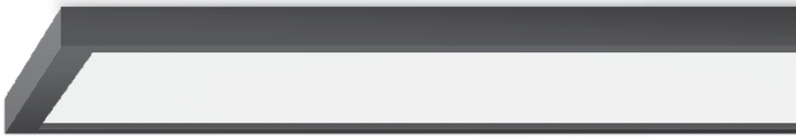
All luminaires are DALI-controllable so that the light can be perfectly adapted to the respective lighting situation.
The long service life and cost-effectiveness of our LED modules and all technical components further reduce maintenance and operating costs.

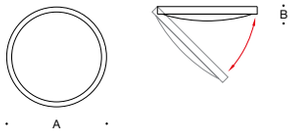
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	5850 to 26 220 lm
Connected wattage	55.0 bis 216.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Synthetic cover with light-diffusing structure	
24 128 · 33 312 safety glass	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number White – article number + **W**	
20-year availability guarantee for LED modules	

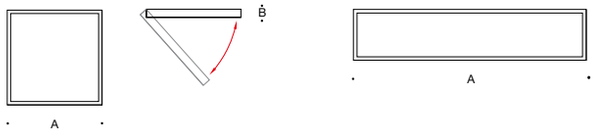






Large-area luminaires · **Round**

	LED		PSU	A	B	AC/DC
24 230	55.0 W	6520 lm	DALI	670	125	✔
24 231	125.0 W	16 140 lm	DALI	930	140	✔
24 125	216.0 W	26 220 lm	DALI	1250	145	✔



Large-area luminaires · **Square and rectangular**

	LED		PSU	A	B	AC/DC
24 128	60.0 W	5850 lm	DALI	625 × 625	55	✔
33 312	116.0 W	7245 lm	DALI	1535 × 335	55	✔



Large-area luminaires for ceilings and walls

BEGA large-area luminaires are luminaires for uniform light over extremely large areas. With diameters of 1000 and 1300 millimetres and impressive light outputs of more than 17 000 lumens, these luminaires open up new and creative design options for many architectural areas.
Either as a single luminaire or as an arrangement of different luminaire sizes, they unleash their impressive light effect. The luminaires are illuminating design elements that, in addition to their lighting function, give character to walls or rooms.

The light-diffusing texture of the large design-forming synthetic cover distributes the light extremely evenly throughout the room – uniformly illuminating the luminaire surface at the same time. All luminaires are DALI-controllable so that the light can be perfectly adapted to the respective lighting situation.
The long service life and cost-effectiveness of our LED modules and all technical components further reduce maintenance and operating costs.
You will find identical luminaires for indoor use – including a “Tunable White” version – in the BEGA indoor luminaire range.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

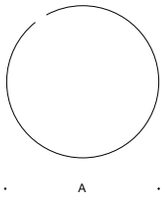
Luminaire data

Luminaire luminous flux	12 365 · 17 295 lm
Connected wattage	101.0 · 134.0 W
Size	Ø 1000 · 1300 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cover with light-diffusing structure	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® ☐ White	
20-year availability guarantee for LED modules	





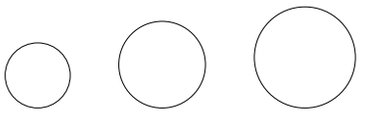




Large-area luminaires

	LED		PSU	A	B	AC/DC
24 730	101.0 W	12 365 lm	DALI	1000	165	✔
24 731	134.0 W	17 295 lm	DALI	1300	170	✔





225 300 350



Ceiling and wall luminaires

A new luminaire series with excellent efficiency values. Luminaires with compact dimensions and an impressively high luminous efficiency relative to the connected wattage. Combined with a reflector unit, our newly developed composite lens system delivers maximum transmission values while providing optimum visual comfort. This new generation of ceiling and wall luminaires boasts the ability to be installed quickly and easily, as well as a captivatingly precise overall impression.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2300 to 4400 lm
Connected wattage	22.0 bis 42.0 W
Size	Ø 225 · 300 · 350 mm
Protection class IP 65	
Cast aluminium, aluminium and stainless steel Reflector made of pure anodised aluminium Safety glass	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number White – article number + **W**	
20-year availability guarantee for LED modules	



Ceiling and wall luminaires

	LED		PSU	A	B	AC/DC
24 647	22.0 W	2300 lm	DALI	225	80	✔
24 648	31.0 W	3200 lm	DALI	300	80	✔
24 649	42.0 W	4400 lm	DALI	350	85	✔



Ceiling and wall luminaires

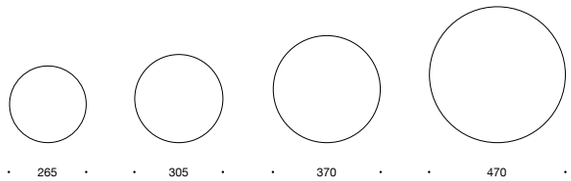
Luminaires with hand-blown three-ply opal glass in four sizes, suitable for installation on both ceilings and walls.
The opal glass directs part of the light onto the installation surface, thus providing an additional reflected light component and pleasant visual comfort. Individually or in groups, these luminaires are great design elements for a wide range of lighting applications in rooms, corridors, hallways and stairwells – both indoors and out.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	600 to 3450 lm
Connected wattage	14.0 to 48.0 W
Size	Ø 265 · 305 · 370 · 470 mm
Protection class	IP 64
Aluminium and stainless steel Satin matt opal glass	
Luminaires with LED module: DALI-controllable power supply units. BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







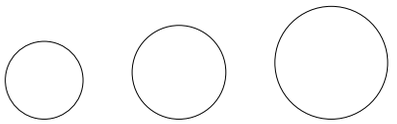


Ceiling and wall luminaires

	LED		PSU	A	B	AC/DC
33 636	16.0 W	1225 lm	DALI	265	80	✔
33 638	22.5 W	1860 lm	DALI	305	90	✔
33 639	25.0 W	2200 lm	DALI	370	90	✔
33 640	48.0 W	3450 lm	DALI	470	100	✔
	LED lamps included		Base			
33 632	2×7.0 W	600 lm	E 27	305	90	–
33 634	3×7.0 W	940 lm	E 27	370	90	–

Technical data for BEGA LED lamps can be found on Page 564.





Ceiling and wall luminaires

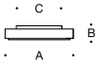
For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide.
These luminaires are characterised by the contrasting effect between the shield, the opal glass and the installation surface. Some of the light is emitted behind the shield and also illuminates the mounting surface. Depending on the colour of the installation surface, this creates an impressive light effect.
We are constantly developing these luminaires, and while the design has remained almost unchanged, the hand-blown opal glass now shines with efficient BEGA LED technology.
A high IP 65 protection class expands the range of applications for many architectural areas.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1005 to 2925 lm
Connected wattage	9.2 to 31.3 W
Size	Ø 270 · 325 · 390 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Satin matt opal glass	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	





Ceiling and wall luminaires

	LED		PSU	A	B	C	AC/DC
24 042	9.2 W	1005 lm	on/off	270	70	205	✔
24 043	16.7 W	1610 lm	DALI	325	90	250	✔
24 044	31.3 W	2925 lm	DALI	390	100	300	✔



Ceiling and wall luminaires

A series of compact, powerful and efficient luminaires suitable for use as both wall and ceiling luminaires.
The luminaire glass directs part of the light onto the installation surface, thus providing an additional reflected light component and pleasant visual comfort.
Two types of glass are available for each of the different luminaire diameters.
The three-ply opal glass and the thick-walled crystal glass with its impressive ice edges are hand-blown masterpieces. But only our reliable and cost-effective LED technology makes luminaires with this shallow projection possible.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1210 to 2105 lm
Connected wattage	16.0 · 22.5 W
Size	Ø 265 · 305 mm
Protection class	IP 64
Aluminium and stainless steel Opal glass or crystal glass, inside white	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





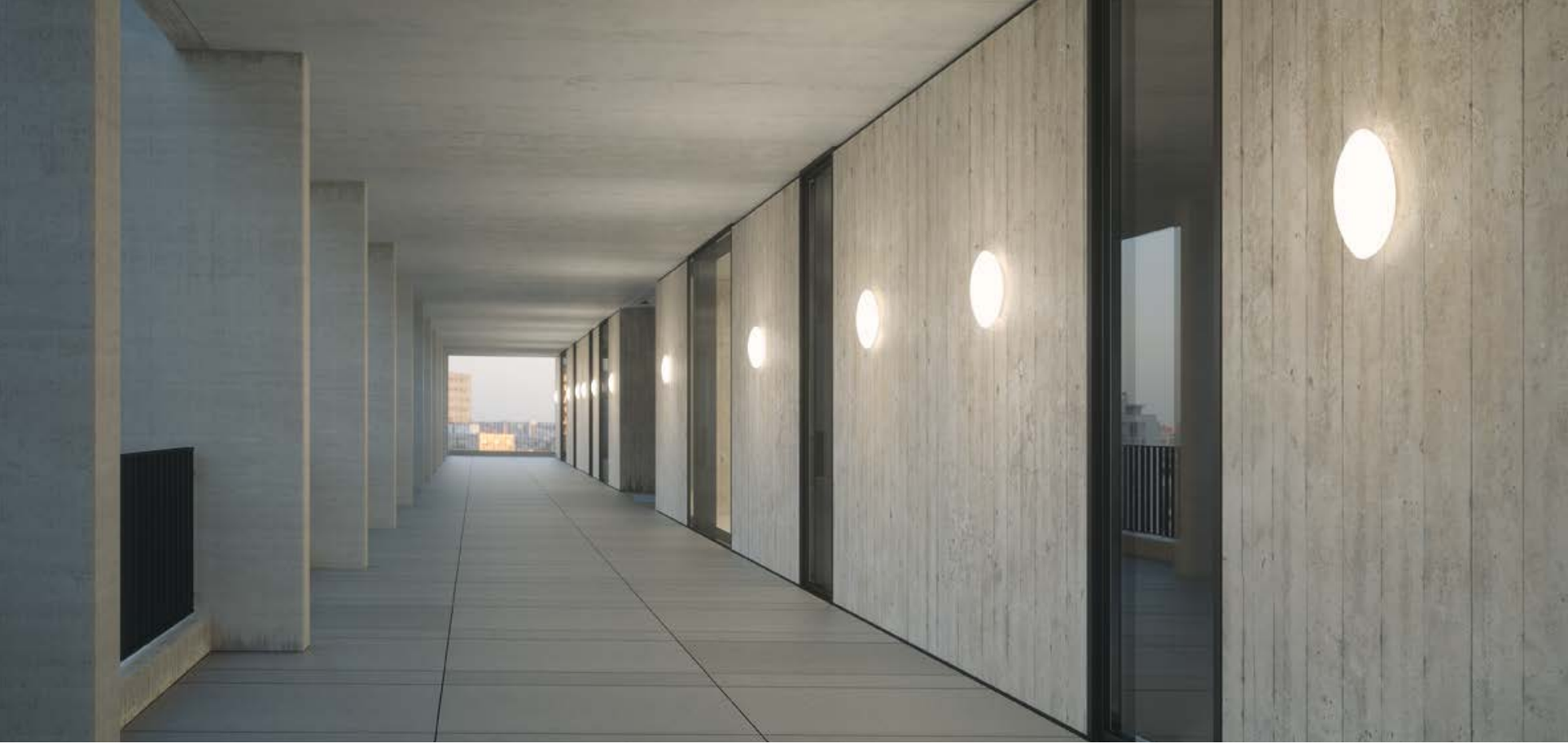
Opal glass

	LED		PSU	A	B	AC/DC
33 680	16.0 W	1210 lm	DALI	265	65	✔
33 681	22.5 W	2090 lm	DALI	305	65	✔



Crystal glass, inside white

	LED		PSU	A	B	AC/DC
33 682	16.0 W	1380 lm	DALI	265	65	✔
33 683	22.5 W	2105 lm	DALI	305	65	✔



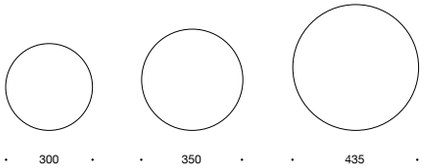
Ceiling and wall luminaires

Luminaires for unshielded light in the room and on the mounting surface.
Compact luminaires in different sizes for a wide range of lighting applications – both indoors and out. They can be used both as ceiling or wall luminaires.

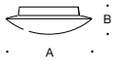
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1060 to 3365 lm
Connected wattage	9.2 to 31.3 W
Size	Ø 300 · 350 · 435 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Opal glass	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® ☐ White	
20-year availability guarantee for LED modules	



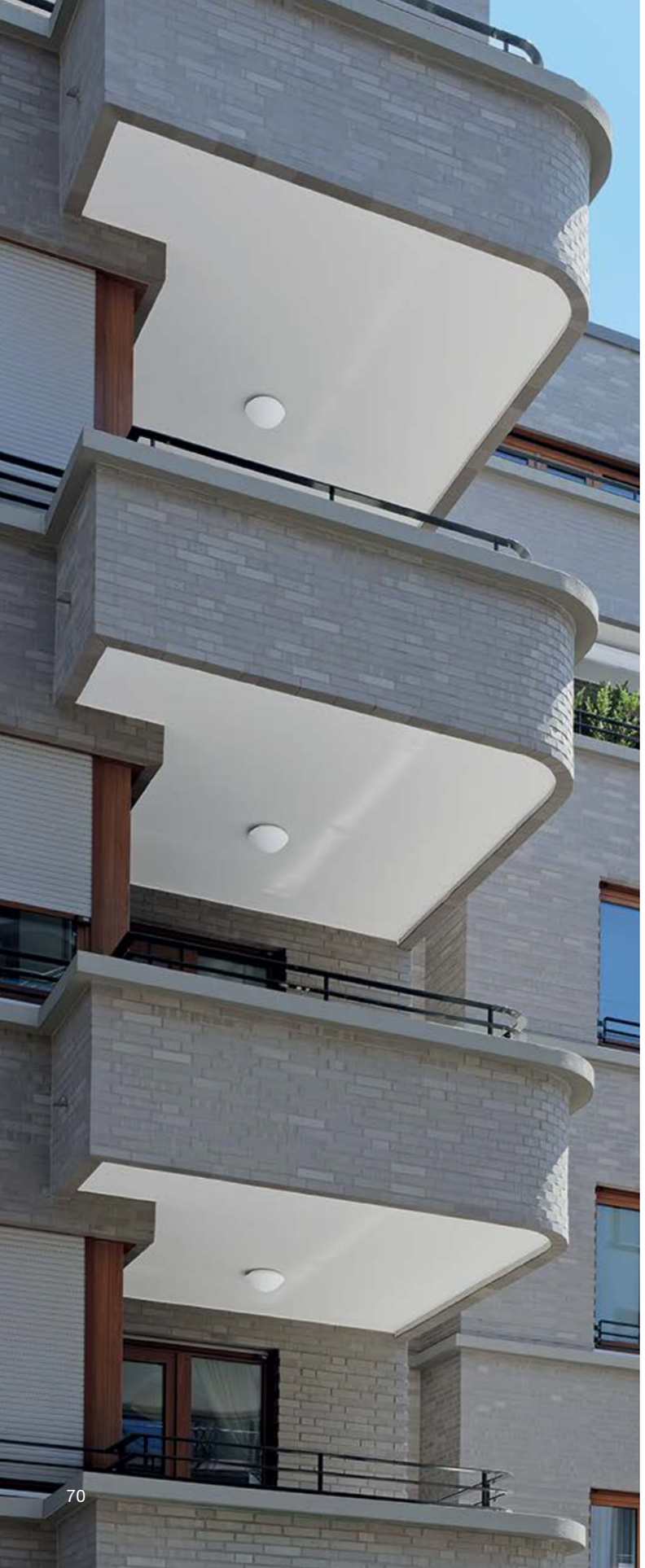


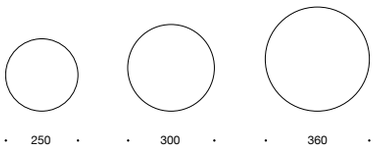


Ceiling and wall luminaires

	LED		PSU	A	B	AC/DC
24 039	9.2 W	1060 lm	on/off	300	95	✔
24 040	16.7 W	1770 lm	DALI	350	105	✔
24 041	31.3 W	3365 lm	DALI	435	120	✔







Ceiling and wall luminaires

For decades, BEGA luminaires from this series have been shining examples of lighting details on numerous buildings around the world. We are constantly developing these luminaires, and while the design has remained almost unchanged, the hand-blown opal glass now shines with efficient BEGA LED technology.
A high IP 65 protection class expands the range of applications for many areas of architecture – both indoors and out.
Luminaires for unshielded light in the room and on the mounting surface.
Compact luminaires in different sizes for a variety of lighting applications – for use as ceiling or wall luminaires.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	460 to 2965 lm
Connected wattage	7.0 to 31.3 W
Size	Ø 250 · 300 · 360 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Opal glass	
Luminaires with LED module: on/off or DALI-controllable power supply units BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® ☐ White	
20-year availability guarantee for LED modules	





Ceiling and wall luminaires						
	LED		PSU	A	B	AC/DC
24 028	9.2 W	1040 lm	on/off	250	100	✔
24 029	16.7 W	1590 lm	DALI	300	120	✔
24 030	31.3 W	2965 lm	DALI	360	130	✔
	LED lamp included		Base			
24 196	1 × 7.0 W	460 lm	E 27	250	100	–

Technical data for BEGA LED lamps can be found on Page 564.





Ceiling and wall luminaires
Light Brick – Lichtbaustein®

Light Brick – Lichtbaustein® – a BEGA trademark for 60 years.
Hand-blown three-ply opal glass and luminaire housing made of die-cast aluminium. Distinctive and recognised design. Luminaires whose trademark has become the generic term, not only for BEGA luminaires but for all luminaires of this type.
Illuminating classics for great lighting and surface design.
Luminaires for installation on ceilings or walls – indoors and outdoors.
A variety of luminaire lengths and light outputs enables solutions for many different lighting applications.

We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

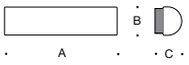
For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	450 to 1520 lm
Connected wattage	7.0 to 21.0 W
Length	200 · 300 · 400 · 450 · 500 mm
Protection class	IP 44
Die-cast aluminium and stainless steel Satin matt opal glass	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	

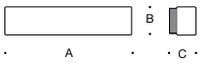






Light Brick – Lichtbaustein®

	LED lamps included		Base	A	B	C
33 185	1 × 7.0 W	450 lm	E 27	200	100	100
33 186	2 × 7.0 W	900 lm	E 27	300	100	100
33 187	2 × 7.0 W	900 lm	E 27	400	100	100
33 188	2 × 7.0 W	960 lm	E 27	500	100	100



Light Brick – Lichtbaustein®

	LED lamps included		Base	A	B	C
33 766	2 × 7.0 W	960 lm	E 27	300	100	100
33 866	3 × 7.0 W	1520 lm	E 27	450	100	100

Technical data for BEGA LED lamps can be found on Page 564.



Ceiling and wall luminaires
Light Brick – Lichtbaustein® · **Rectangle**

Light Brick – Lichtbaustein® – a BEGA trademark for nearly 60 years.
Hand-blown three-ply opal glass and luminaire housing made of cast aluminium.
Distinctive and recognised design.
Luminaires whose trademark has become the generic term, not only for BEGA luminaires but for all luminaires of this type.
Illuminating classics for great lighting and surface design. We are constantly developing these luminaires, yet their design has remained almost unchanged.
Luminaires for installation on ceilings or walls both indoors and out.
A variety of luminaire sizes and light outputs enables solutions for many different lighting applications.

Corner luminaires are intended for installation on the corner of a house.
In this way, two sides of a building can be illuminated with just one luminaire.

Luminaires with E14 base or an E 27 screw base are supplied complete with the number of corresponding LED lamps shown in the table.

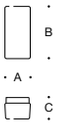
For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	280 to 1710 lm
Connected wattage	4.0 to 24.0 W
Size	80 · 100 · 125 · 140 · 210 mm
Protection class I	P 44
Cast aluminium, aluminium and stainless steel Satin matt opal glass	
Luminaires with LED module: BEGA AC module · Technical data Page 11 BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	







Light Brick – Lichtbaustein® · **Rectangle**

	LED		PSU	A	B	C
24 602	8.5 W	590 lm	AC module	100	210	90
24 603	12.0 W	900 lm	AC module	125	250	100
24 604	17.0 W	1230 lm	AC module	140	300	110
	LED lamps included		Base			
33 563	1 × 4.0 W	280 lm	E 14	80	190	90
33 668	1 × 7.0 W	480 lm	E 27	100	210	90
44 661	1 × 8.0 W	700 lm	E 27	125	250	100
33 266	2 × 7.0 W	1145 lm	E 27	140	300	110
33 363	2 × 12.0 W	1710 lm	E 27	210	370	110



Light Brick – Lichtbaustein® · **Rectangle · Corner luminaires**

	LED lamps included		Base	A	B	C
66 860	1 × 7.0 W	540 lm	E 27	100	200	120
66 960	1 × 12.0 W	850 lm	E 27	125	250	130
66 965	2 × 7.0 W	1030 lm	E 27	140	300	140

Technical data for BEGA LED lamps can be found on Page 564.



Ceiling and wall luminaires
Light Brick – Lichtbaustein® · **Circle**

Light Brick – Lichtbaustein® – a BEGA trademark for 60 years. Hand-blown three-ply opal glass and luminaire housing made of cast aluminium.
Distinctive and recognised design. Luminaires whose trademark has become a generic term for luminaires of this type. Illuminating classics for effective lighting and surface design.
We are constantly developing these luminaires, and while the design has remained almost unchanged, the hand-blown opal glass now shines with efficient BEGA LED technology.

A high IP 65 protection class expands the range of applications for many architectural areas – both indoors and out. Luminaires you can build with: individually, in rows or in groups.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	985 to 3175 lm
Connected wattage	9.2 to 31.3 W
Size	Ø 250 · 300 · 360 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Satin matt opal glass	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



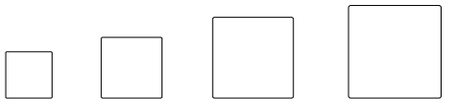


Light Brick – Lichtbaustein® · **Circle**

	LED		PSU	A	B	AC/DC
24 025	9.2 W	985 lm	on/off	250	70	✔
24 026	16.7 W	1795 lm	DALI	300	90	✔
24 027	31.3 W	3175 lm	DALI	360	100	✔







Ceiling and wall luminaires
Light Brick – Lichtbaustein® · **Square**

Light Brick – Lichtbaustein® – a BEGA trademark for 60 years.
Hand-blown three-ply opal glass and luminaire housing made of cast aluminium.
Distinctive and recognised design.
Luminaires whose trademark has become a generic term for luminaires of this type.
Illuminating classics for great lighting and surface design.
We are constantly developing these luminaires, yet their design has remained almost unchanged.
Luminaires for installation on ceilings or walls – indoors and outdoors. A variety of sizes and light outputs enables solutions for many different lighting applications.
Luminaires you can build with: individually, in rows or in groups.

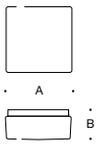
Luminaires with G 9 base or an E 27 screw base are supplied complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	240 to 2365 lm
Connected wattage	4.0 to 32.0 W
Size	□ 160 · 210 · 280 · 320 mm
Protection class	IP 44
Cast aluminium and stainless steel Satin matt opal glass	
Luminaires with LED module: BEGA AC module · Technical data Page 11 BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	





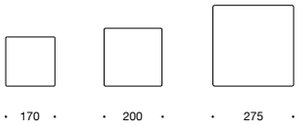
Light Brick – Lichtbaustein® · **Square**

	LED		PSU	A	B
38 300	12.0 W	890 lm	AC module	210 × 210	120
38 301	24.0 W	1685 lm	AC module	280 × 280	130
38 302	32.0 W	2365 lm	AC module	320 × 320	130
	LED lamps included		Base		
24 655	1 × 4.0 W	240 lm	G 9	160 × 160	90
66 658	1 × 8.0 W	720 lm	E 27	210 × 210	120
66 758	2 × 7.0 W	1070 lm	E 27	280 × 280	130



Technical data for BEGA LED lamps can be found on Page 564.





Ceiling and wall luminaires
Light Brick – Lichtbaustein® · **Square**

Light Brick – Lichtbaustein® – a BEGA trademark for 60 years.
The luminaires in this series maintain their timeless design. Luminaires for installation on ceilings or walls – indoors and outdoors. A variety of sizes and light outputs enables solutions for many different lighting applications.
Luminaires you can build with: individually, in rows or in groups.

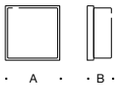
We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	335 to 700 lm
Connected wattage	3.9 to 14.0 W
Size	□ 170 · 200 · 275 mm
Protection class	IP 44
Cast aluminium and stainless steel Satin matt opal glass	
Luminaires with LED module: BEGA Ultimate Driver® · on/off BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





Light Brick – Lichtbaustein® · **Square**					
	LED		PSU	A	B
33 032	3.9 W	335 lm	on/off	170 × 170	70
33 036	4.9 W	510 lm	on/off	200 × 200	90
	LED lamps included		Base		
33 034	1 × 7.0 W	380 lm	E 27	200 × 200	90
33 035	2 × 7.0 W	700 lm	E 27	275 × 275	100



Technical data for BEGA LED lamps can be found on Page 564.



Ceiling and wall luminaires
Light Brick – Lichtbaustein®

For more than 60 years, luminaires with the BEGA Lichtbaustein® trademark have been shining examples of great lighting and surface design.
The design of these luminaires is as diverse as their various applications over the decades – illuminating classics, made of hand-blown three-ply opal glass, and a luminaire housing, made of cast aluminium. Luminaires you can build with: individually, in rows or in groups.
We are constantly developing our Light Brick – Lichtbaustein® series to go above and beyond today's planning requirements.

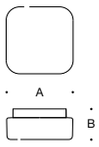
These luminaires uphold this long-standing tradition. They provide solutions for numerous architectural lighting applications where good lighting is all that's required.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

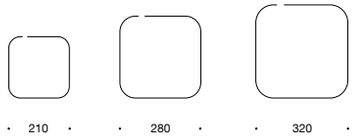
Luminaire luminous flux	1250 to 4000 lm
Connected wattage	12.2 to 39.5 W
Size	☐ 210 · 280 · 320 mm
Protection class IP 65	
Aluminium, cast aluminium and stainless steel Opal glass	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	





Light Brick – Lichtbaustein®

	LED		PSU	A	B
24 520	12.2 W	1250 lm	DALI	210 × 210	100
24 521	21.4 W	2180 lm	DALI	280 × 280	100
24 522	39.5 W	4000 lm	DALI	320 × 320	105







Ceiling and wall luminaires · Wall luminaires

Light Brick – Lichtbaustein® – a BEGA trademark for nearly 60 years.
Distinctive and recognised design. These are luminaires whose trademark has become a generic term for all luminaires of this type. Illuminating classics for great lighting and surface design. We are constantly developing these luminaires, yet their design has remained almost unchanged.
Luminaires for installation on ceilings or walls – indoors and outdoors.
A variety of sizes and light outputs enables solutions for many different lighting applications. Luminaires you can build with: individually, in rows or in groups.
The luminaires in this series are also available with weatherproof numbers, symbols or lettering on request. This allows house numbers and notices to be read easily, even from great distances – by day and by night.

Luminaires with G 9 base or an E 27 screw base are supplied complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

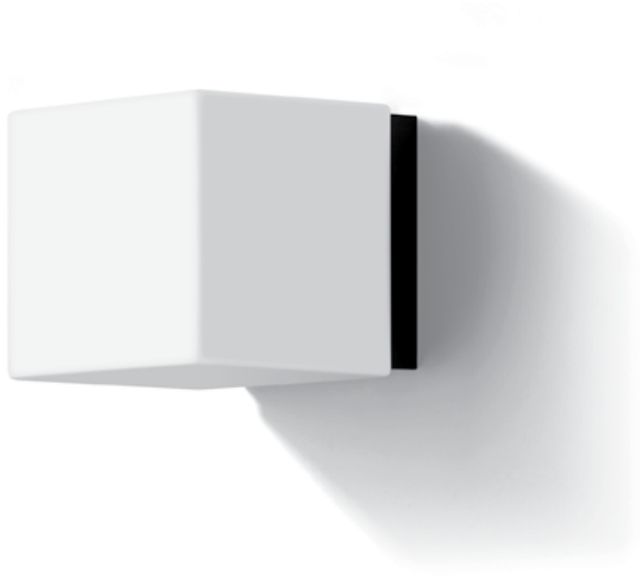
Luminaire luminous flux	300 to 970 lm
Connected wattage	4.0 to 12.0 W
Size	□ 100 · 160 · 200 · 205 · 250 mm
Protection class	IP 44

33 367 · 33 567 · 33 767
Cast aluminium and stainless steel
Satin matt opal glass

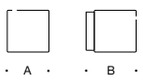
44 004 · 44 007
Shield made of stainless steel
Cast aluminium
Opal glass

LED lamps · Colour temperature 3000 K
included in the delivery

33 367 · 33 567 · 33 767
Luminaire colour · BEGA Unidure®
Graphite

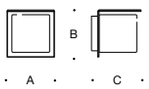






Ceiling and wall luminaires · Light Brick – Lichtbaustein® · **Cube**

	LED lamps included	Base	A	B
24 654	1 × 4.0 W 300 lm	G 9	100 × 110	135
33 567	1 × 8.0 W 840 lm	E 27	160 × 160	195
33 767	1 × 12.0 W 970 lm	E 27	205 × 205	245



Wall luminaires · **Cube**

	LED lamps included	Base	A	B	C
44 004	1 × 8.0 W 600 lm	E 27	200	200	210
44 007	1 × 12.0 W 840 lm	E 27	250	250	265

Technical data for BEGA LED lamps can be found on Page 564.



Ceiling, wall and pillar luminaires
Unshielded or shielded light

A series of impact-resistant luminaires made of cast aluminium. Luminaires with a large proportion of glass for a high degree of transparency.
The particularly thick crystal glass ensures that these luminaires are sufficiently rugged, while giving them their distinctive character. They can be used as ceiling, wall or pillar luminaires.
A variety of sizes and light outputs, together with the luminaires' high protection class, enables a wide range of applications.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

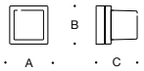
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	240 to 550 lm
Connected wattage	4.0 to 7.0 W
Size	☐ 120 · 160 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white	
Luminaires with LED module: BEGA Ultimate Driver® · on/off BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

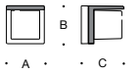






Ceiling, wall and pillar luminaires · **Unshielded** light

	LED		PSU	A	B	C	AC/DC
22 432	4.0 W	305 lm	on/off	120	120	135	✔
22 439	4.9 W	500 lm	on/off	160	160	175	✔
	LED lamp included		Base				
22 444	1 × 7.0 W	550 lm	E 27	160	160	175	—



Ceiling, wall and pillar luminaires · **Shielded** light

	LED		PSU	A	B	C	AC/DC
33 327	4.0 W	240 lm	on/off	120	120	145	✔
33 328	4.9 W	410 lm	on/off	160	160	180	✔
	LED lamp included		Base				
24 199	1 × 7.0 W	375 lm	E 27	160	160	180	—

Technical data for BEGA LED lamps can be found on Page 564.



Impact-resistant ceiling, wall and pillar luminaires

Luminaires with safety guard for use on walls, pillars, or similar architectural elements. A robust frame, made of cast aluminium, protects the edges and corners of the luminaire glass.
Thick crystal glass with precise light-diffusing structures ensures that these luminaires are sufficiently robust, while also giving them their distinctive character. They can be used as ceiling, wall and pillar luminaires. A variety of sizes and light outputs, together with the luminaires' high protection class, enables a wide range of applications.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

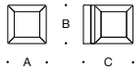
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	310 to 385 lm
Connected wattage	4.0 to 7.0 W
Size	□ 120 · 160 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white	
Luminaires with LED module: BEGA Ultimate Driver® · on/off BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







Ceiling, wall and pillar luminaires							
	LED		PSU	A	B	C	AC/DC
22 423	4.0 W	310 lm	on/off	120	120	160	✔
22 453	4.9 W	385 lm	on/off	160	160	205	✔
	LED lamp included		Base				
22 633	1 ×7.0 W	380 lm	E 27	160	160	205	—

Technical data for BEGA LED lamps can be found on Page 564.



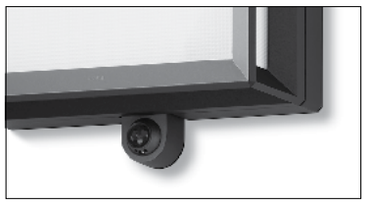
Ceiling and wall luminaires
With optional PIR motion and light sensor

A robust surrounding frame made of cast aluminium protects the edges and corners of the glass of these luminaires.
This is crystal glass with generous material thicknesses and precise light-diffusing structures. Different dimensions and light outputs as well as their use as ceiling or wall luminaires facilitate a wide range of lighting applications – both indoors and out. Its range of possible applications is also extended by its high protection class.

Luminaires in this series, with **passive infrared motion and light sensor,** react to thermal radiation in the dark, switching on when people or animals are detected in the vicinity of the luminaire. They are easily and conveniently parametrised via Bluetooth® and the free BEGA Tool app.
In this way, individual light levels can be easily and conveniently defined for specific modes.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.



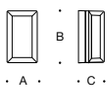
24 397 with passive infrared motion and light sensor

Luminaire data

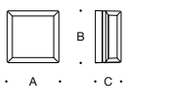
Luminaire luminous flux	340 to 845 lm
Connected wattage	4.9 to 12.0 W
Size	220 · 275 · 290 · 310 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white	
Luminaires with LED module: on/off power supply units BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

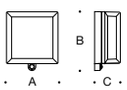






Ceiling and wall luminaires							
	LED		PSU	A	B	C	AC/DC
22 750	4.9 W	345 lm	on/off	130	220	110	✔
22 751	7.7 W	550 lm	on/off	170	290	115	✔
24 601	11.4 W	610 lm	on/off	170	290	115	✔
	LED lamp included		Base				
22 733	1 × 7.0 W	350 lm	E 27	130	220	110	—
22 734	1 × 12.0 W	640 lm	E 27	170	290	115	—





24 397

Ceiling and wall luminaires							
	LED		PSU	A	B	C	AC/DC
22 650	4.9 W	340 lm	on/off	220	220	110	✔
22 652	7.7 W	580 lm	on/off	275	275	125	✔
24 600	11.4 W	845 lm	on/off	275	275	125	✔
	LED lamp included		Base				
22 645	1 × 7.0 W	345 lm	E 27	220	220	110	—
22 646	1 × 12.0 W	700 lm	E 27	275	275	125	—

Wall luminaire · **With PIR motion and light sensor**							
	LED		PSU	A	B	C	AC/DC
24 397	8.0 W	460 lm	on/off *	275	310	125	✔

Technical data for BEGA LED lamps can be found on Page 564.

* Light level adjustable with BEGA Tool app



Ceiling and wall luminaires

Striking luminaires in a square design. A distinctive look with a high protection class and impressive technical features. They can be used as ceiling luminaires or wall luminaires.
When the luminaires are viewed from the front, the screw connections are invisible. They can be opened quickly and easily by means of a mechanical flap system with two screws at the side. Individually or in groups, they are timeless design elements for a wide range of lighting applications – both indoors and out.
Matching luminaires with weatherproof numbers, symbols or lettering can be found on Page 143.

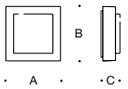
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	480 to 1670 lm
Connected wattage	5.5 to 17.0 W
Size	□ 210 · 260 · 310 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







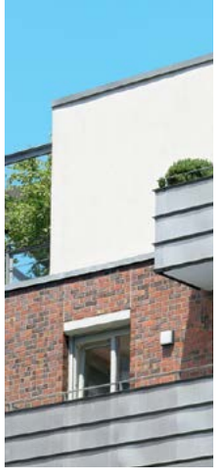
Ceiling and wall luminaires

	LED		PSU	A	B	C	AC/DC
33 232	5.5 W	480 lm	DALI	210	210	80	✔
33 233	13.0 W	1010 lm	DALI	260	260	90	✔
33 234	17.0 W	1670 lm	DALI	310	310	95	✔





24 396 with passive infrared motion and light sensor



Ceiling and wall luminaires
With optional PIR motion and light sensor

These luminaires are characterised by clear lines and impact-resistant crystal glass. They have a high protection class and shallow projection, and are available in various sizes.
They can be used as ceiling luminaires or wall luminaires.
A variety of sizes and light outputs makes these economical luminaires extremely versatile. The high protection class extends the range of applications even further. Arranged individually or in groups, they are timeless design elements for a wide range of lighting applications – both indoors and out.

Luminaires in this series, with **passive infrared motion and light sensor,** react to thermal radiation in the dark, switching on when people or animals are detected in the vicinity of the luminaire. They are easily and conveniently parametrised via Bluetooth® and the free BEGA Tool app.
In this way, individual light levels can be easily and conveniently defined for specific modes.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	225 to 1110 lm
Connected wattage	4.0 to 18.5 W
Size	170 · 210 · 260 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
BEGA Ultimate Driver® on/off or DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



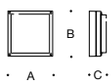


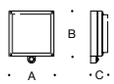


Ceiling and wall luminaires

	LED		PSU	A	B	C	AC/DC
22 400	4.0 W	250 lm	on/off	95	170	70	✔
22 450	4.9 W	410 lm	on/off	120	210	80	✔

Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting





24 396

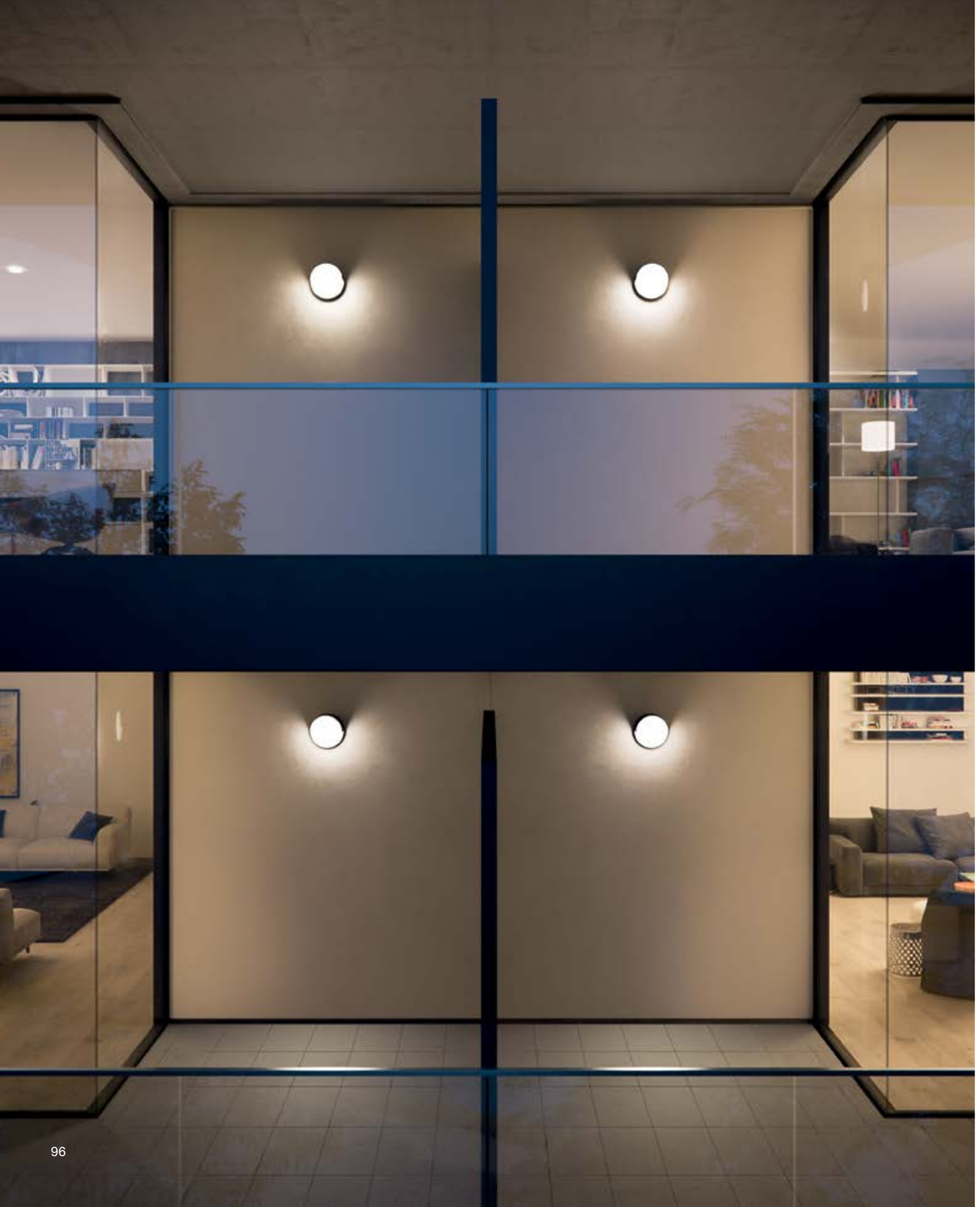
Ceiling and wall luminaires

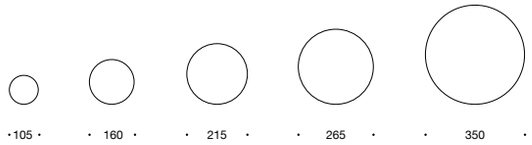
	LED		PSU	A	B	C	AC/DC
22 663	4.0 W	225 lm	on/off	170	170	70	✔
22 665	4.9 W	405 lm	on/off	210	210	80	✔
33 136	18.5 W	1110 lm	DALI	260	260	90	✔

Wall luminaires · **With PIR motion and light sensor**

	LED		PSU	A	B	C	AC/DC
24 396	8.0 W	505 lm	on/off *	260	290	90	✔

* Light level adjustable with BEGA Tool app







Ceiling and wall luminaires

A series of impact-resistant luminaires made of cast aluminium. Luminaires which we have adapted perfectly to our LED technology. The luminaires are secured in the housing without any visible screws and a barely visible locking screw secures the cast aluminium frame. The thick crystal glass ensures that the luminaires in this group are sufficiently robust, while also giving them their distinctive character.
A variety of sizes and light outputs makes these economical luminaires extremely versatile. Its range of possible applications is also extended by its high protection class.
Individually or in groups, they are great design elements for a wide range of lighting applications – both indoors and out.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	90 to 2360 lm
Connected wattage	1.6 to 27.2 W
Size	Ø 105 · 160 · 215 · 265 · 350 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Ceiling and wall luminaires

	LED		PSU	A	B	AC/DC
24 036	1.6 W	90 lm	on/off	105	80	–
33 507	3.9 W	255 lm	on/off	160	100	✔
33 508	5.8 W	530 lm	on/off	215	115	✔
33 509	11.7 W	935 lm	DALI	265	120	✔
24 395	27.2 W	2360 lm	DALI	350	100	✔



Ceiling and wall luminaires

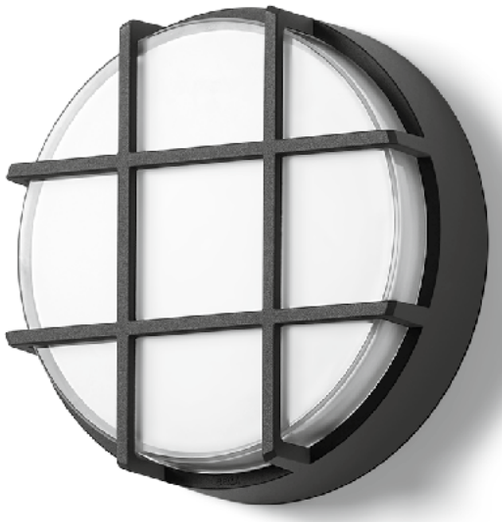
We have been producing impact-resistant ceiling and wall luminaires for more than 40 years.
They have received many international awards for their unmistakable design.
The concept and design have stood the test of time. They were characteristic of a whole series of luminaires in our range of products, and became models for outdoor luminaires in general.
We have developed these luminaires further and perfectly adapted their structure and design to our LED technology.
The thick crystal glass ensures that the impact-resistant luminaires in this group are both robust and elegant.
The luminaires are enclosed without visible screw connections on the housing, while a barely visible locking screw secures the cast aluminium frame.
A variety of sizes and light outputs makes these economical luminaires extremely versatile. Its range of possible applications is also extended by its high protection class.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	110 to 2610 lm
Connected wattage	1.6 to 27.2 W
Size	Ø 105 · 160 · 215 · 265 · 350 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







Ceiling and wall luminaires

	LED		PSU	A	B	AC/DC
24 037	1.6 W	110 lm	on/off	105	55	—
33 534	3.9 W	335 lm	on/off	160	65	✔
33 535	5.8 W	610 lm	on/off	215	70	✔
33 523	11.7 W	1055 lm	DALI	265	80	✔
24 394	27.2 W	2610 lm	DALI	350	95	✔

Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting



Ceiling and wall luminaires

	LED		PSU	A	B	AC/DC
33 502	3.9 W	260 lm	on/off	160	75	✔
33 503	5.8 W	440 lm	on/off	215	80	✔
33 504	11.7 W	730 lm	DALI	265	90	✔





Luminaires with passive infrared motion and light sensor

Ceiling and wall luminaires
With optional PIR motion and light sensor

We have redesigned this series of impact-resistant ceiling and wall luminaires in line with both today's market requirements and our LED technology.
Their predecessors shaped the design of the BEGA range for 40 years.
As illuminating classics, they became the standard for outdoor luminaires. We have changed their design and adapted their technology to today's requirements very carefully.
Luminaires for installation on ceilings or walls. The different dimensions and light outputs provide solutions for a wide range of lighting applications. The luminaires are available with either crystal glass or impact-resistant synthetic covers.

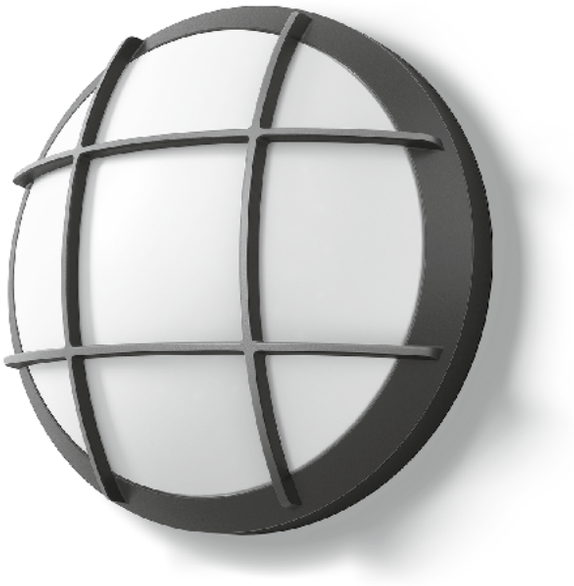
Luminaires in this series, with **passive infrared motion and light sensor,** react to thermal radiation in the dark, switching on when people or animals are detected in the vicinity of the luminaire. They are easily and conveniently parametrised via Bluetooth® and the free BEGA Tool app.
In this way, individual light levels can be easily and conveniently defined for specific modes.
Please note:
The luminaires with DALI power supply unit and sensor are designed for operation in an existing DALI system. If the luminaires are not to be operated in a DALI system, a DALI power supply 71 094 or 70 866 is required. Options for changing the default settings can be found in the instructions for use of the luminaires.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	635 to 3080 lm
Connected wattage	8.1 to 28.0 W
Size	Ø 200 · 260 · 350 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white or impact-resistant synthetic cover, white	
on/off or DALI-controllable power supply units	
With optional PIR motion and light sensor	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

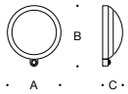






Ceiling and wall luminaires

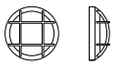
Crystal glass		Synthetic material		LED	PSU	A	B	AC/DC
24 148	835 lm	**24 187**	885 lm	8.1 W	on/off	200	75	✔
24 175	1450 lm	**24 189**	1715 lm	15.0 W	on/off	260	85	✔
24 165	2650 lm	**24 190**	3080 lm	27.2 W	DALI	350	105	✔



Wall luminaires · **With PIR motion and light sensor**

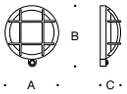
Crystal glass		Synthetic material		LED	PSU	A	B	C	AC/DC
24 149	835 lm	**24 191**	885 lm	9.0 W	on/off*	200	230	75	✔
24 176	1450 lm	**24 193**	1715 lm	15.7 W	on/off*	260	290	85	✔
24 568	2650 lm	**24 569**	3080 lm	28.0 W	on/off*	350	385	105	✔
24 166	2650 lm	**24 194**	3080 lm	27.2 W	DALI	350	385	105	✔

*Light level adjustable with BEGA Tool app



Ceiling and wall luminaires

Crystal glass		Synthetic material		LED	PSU	A	B	AC/DC
24 167	635 lm	**24 179**	695 lm	8.1 W	on/off	200	80	✔
24 173	1155 lm	**24 181**	1355 lm	15.0 W	on/off	260	90	✔
24 171	2130 lm	**24 182**	2465 lm	27.2 W	DALI	350	110	✔



Wall luminaires · **With PIR motion and light sensor**

Crystal glass		Synthetic material		LED	PSU	A	B	C	AC/DC
24 168	635 lm	**24 183**	695 lm	9.0 W	on/off*	200	230	80	✔
24 174	1155 lm	**24 185**	1355 lm	15.7 W	on/off*	260	290	90	✔
24 570	2130 lm	**24 571**	2465 lm	28.0 W	on/off*	350	385	110	✔
24 172	2130 lm	**24 186**	2465 lm	27.2 W	DALI	350	385	110	✔

Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting



Ceiling and wall luminaires
Shielded or unshielded light

We have been producing impact-resistant ceiling and wall luminaires for more than 40 years.
They have received many international awards for their unmistakable design.
The concept and design have stood the test of time. They were characteristic of a whole series of luminaires in our range of products, and became models for outdoor luminaires in general.
We have developed these luminaires further and perfectly adapted their structure and design to our LED technology.
The thick crystal glass ensures that the impact-resistant luminaires in this group are both robust and elegant.
The luminaires are secured in the housing without any visible screws and a barely visible locking screw secures the cast aluminium frame.

Luminaires for installation on ceilings or walls. The different dimensions and light outputs provide solutions for a wide range of lighting applications. The luminaires are available with either crystal glass or impact-resistant synthetic covers.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	205 to 1165 lm
Connected wattage	4.1 to 14.0 W
Size	220 · 300 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white or impact-resistant synthetic cover, white	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



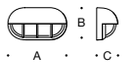






Ceiling and wall luminaires

Crystal glass		Synthetic material		LED	PSU	A	B	C	AC/DC
24 353	530 lm	**24 357**	515 lm	7.1 W	on/off	220	120	80	✔
24 354	1150 lm	**24 358**	1165 lm	14.0 W	DALI	300	180	110	✔



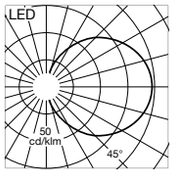
Wall luminaires

Crystal glass		Synthetic material		LED	PSU	A	B	C	AC/DC
24 355	205 lm	**24 359**	205 lm	4.1 W	on/off	220	120	85	✔
24 356	385 lm	**24 360**	405 lm	8.0 W	DALI	300	180	115	✔



Emergency lighting luminaires with single emergency lighting battery
from this series can be found at: bega.com/emergency-lighting





Ceiling and wall luminaires

A group of very narrow, linear ceiling and wall luminaires for unshielded light. Luminaires with a small cross section in three lengths.
The narrow edging of the white luminaire glass has no visible screw connections and underlines the linear design.
Luminaires that can emphasise or accentuate the structures of a building. Individually, in groups or as bands of light, they form effective design elements. The narrow width is also suitable for installation in and on profiles.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

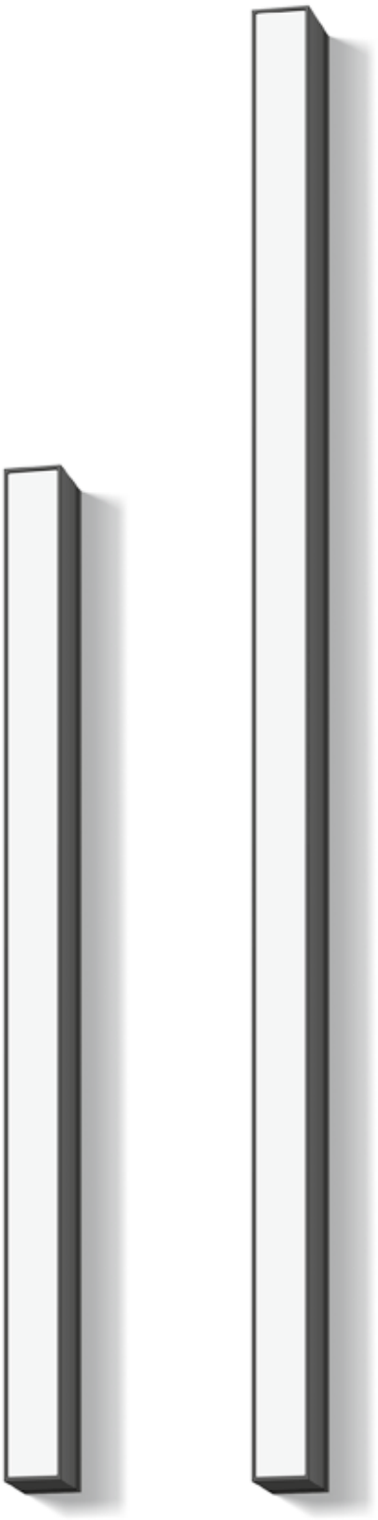
Luminaire luminous flux	1060 to 3420 lm
Connected wattage	18.3 to 54.4 W
Length	520 · 1015 · 1505 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

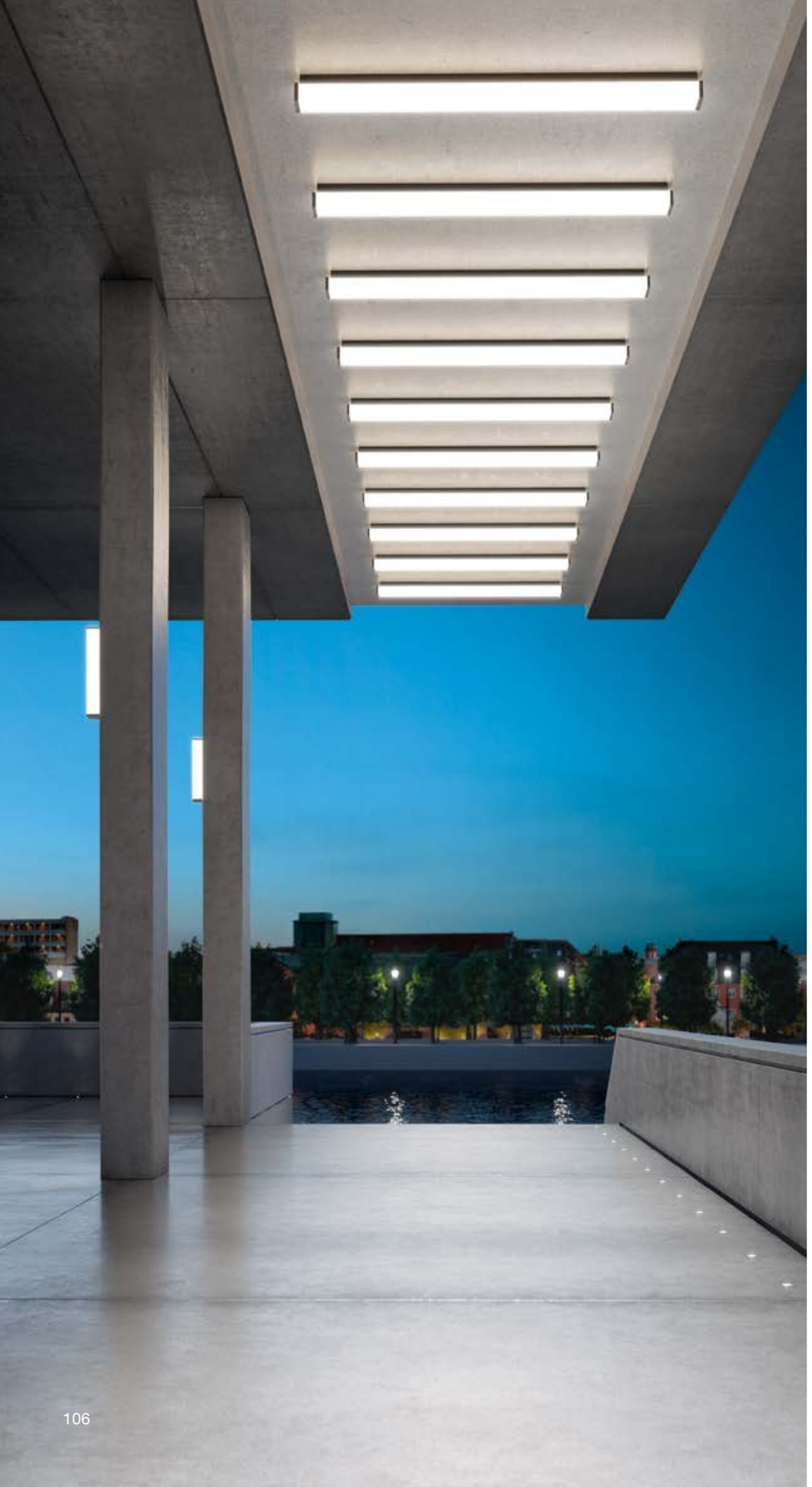




Ceiling and wall luminaires

	LED		PSU	A	B	C	AC/DC
24 318	18.3 W	1060 lm	DALI	520	60	105	✔
24 319	35.6 W	2075 lm	DALI	1015	60	105	✔
24 320	54.4 W	3420 lm	DALI	1505	60	105	✔





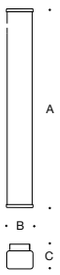
Ceiling and wall luminaires

These ceiling and wall luminaires create new design opportunities with linear lighting elements. Their light accentuates the linear structures of buildings.
The luminaires are available in lengths that go far beyond the dimensions used so far. They are available in lengths of up to 1835 mm and thus satisfy the format needs of modern lighting design. The protection class IP 65 is also unusual for linear luminaires of this length.
These ceiling and wall luminaires, which emit their unshielded light in three directions, offer quality lighting with maximum visual comfort. The white synthetic cover with its particular light-diffusing properties distributes the light of the LED modules gently and evenly. Individually, in groups or as strip lighting, these linear ceiling and wall luminaires serve as effective design elements.
As wall luminaires, they can be installed horizontally or vertically.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1845 to 7500 lm
Connected wattage	14.5 to 55.0 W
Length	500 · 950 · 1835 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cover, white	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



Ceiling and wall luminaires							
	LED		PSU	A	B	C	AC/DC
24 115	14.5 W	1845 lm	DALI	500	125	120	✔
24 116	27.0 W	3825 lm	DALI	950	125	120	✔
24 117	55.0 W	7500 lm	DALI	1835	125	120	✔







Recessed wall luminaires **24 V DC**
made of stainless steel
for surface-mounted installation

Small recessed wall luminaires in various sizes and with various outputs as location luminaires and symmetrical floodlights. The luminaires are corrosion-proof with high structural strength. Trim ring and luminaire housing made of stainless steel. Luminaires for the illumination of architectural details, paths and staircases – both indoors and out.

- The location luminaires are used to indicate points of danger and traffic areas in low ambient brightness.
- The floodlights have a symmetrical light distribution and, depending on the luminaire size, are suitable for the illumination of architectural details of different sizes.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	5 to 270 lm
Connected wattage	0.35 to 4.0 W
Size	Ø 37 · 50 · 75 mm
Protection class IP 68	20 m
Safety class	III

Trim ring and luminaire housing made of stainless steel
Safety glass
Installation sleeve made of glass fibre reinforced synthetic material
Connecting cable

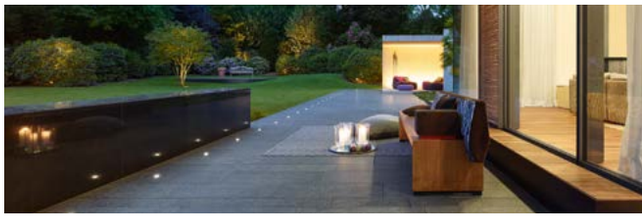
A separate 24 V DC power supply unit is required to operate the luminaires.

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

On request, the luminaires are available in the light colours green, blue, amber and red.

20-year availability guarantee for LED modules

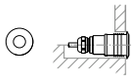












· A · · B ·

Location luminaires

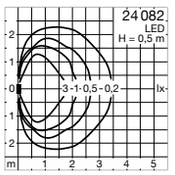
	LED		PSU	A	B	Installation housing
33 880	0.35 W	5 lm	Without*	37	65	**10 464**
33 881	0.45 W	5 lm	Without*	50	75	**10 435**
33 882	1.4 W	50 lm	Without*	75	80	**10 471**

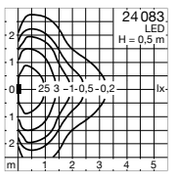
Floodlights · Symmetrical light distribution

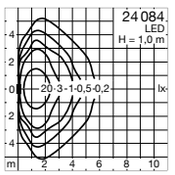
	LED		PSU	A	B	Installation housing
33 830	0.5 W	30 lm	Without*	37	65	**10 464**
33 831	1.4 W	135 lm	Without*	50	75	**10 435**
33 832	4.0 W	270 lm	Without*	75	80	**10 471**

*Suitable 24 V DC power supply units can be found on Page 566.




24 082
LED
H = 0,5 m
3 1 0,5 0,2
lx
m
1 2 3 4 5


24 083
LED
H = 0,5 m
25 3 1 0,5 0,2
lx
m
1 2 3 4 5


24 084
LED
H = 1,0 m
20 3 1 0,5 0,2
lx
m
2 4 6 8 10



Shielded light



Recessed wall luminaires **made of cast bronze for surface-mounted installation**

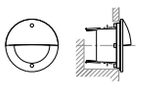
Recessed wall luminaires made of cast bronze and stainless steel. Bronze, a high-quality alloy of copper and tin, has a tradition going back thousands of years. It is almost infinitely durable and is distinguished by its impressively high-quality aesthetic. Safety glass with light-directing texture distributes the light onto the surface to be illuminated. The glass is outside the visible area and is thus protected from damage.

Luminaires for the glare-free illumination of surfaces from a low mounting height, which make important orientation points visible from a low mounting height without glare in darkness or when the degree of illuminance is too low. They also serve to indicate points of danger.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	85 to 560 lm
Connected wattage	2.7 to 10.0 W
Size	Ø 85 · 150 · 200 mm
Protection class	IP 65
Cast bronze and stainless steel Safety glass	
Luminaires without power supply unit, with on/off power supply unit or DALI-controllable power supply unit	
BEGA Thermal Management®	
Shielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	



Recessed wall luminaires · **Shielded** light								Accessories	
	LED		PSU	A	B	C	AC/DC	Installation housing	Plaster frame
24 082	2.7 W	85 lm	Without*	85	90	20	—	**10 415**	**10 015**
24 083	5.0 W	315 lm	on/off	150	100	30	✔	**10 428**	**10 028**
24 084	10.0 W	560 lm	DALI	200	125	37	✔	**10 429**	**10 029**



*Safety class III · Suitable 24 V DC power supply units can be found on Page 566.





Recessed wall luminaires **24 V DC**
for surface-mounted installation
Unshielded, shielded or directed light

Compact recessed wall luminaires – round or square – for operation with 24 V power supply units for a wide range of applications – both indoors and out. Recessed luminaires for the illumination of corridors, pathways and staircases, and wherever dangerous areas have to be marked. Shallow installation depths and the BEGA mounting system ensure simple and economical installation in solid or hollow structures.

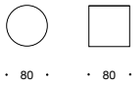
Three luminaire groups for the illumination of corridors, paths and staircases – both indoors and out:

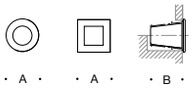
- The **unshielded** luminaires are suitable as location luminaires for higher ambient brightness.
- The **shielded** luminaires are used to mark points of danger and traffic areas in low ambient brightness.
- The luminaires with **directed** light primarily illuminate the traffic areas in front of the installation surface to safely guide the way after dark.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	10 to 95 lm
Connected wattage	2.3 · 2.7 W
Size	Ø · □ 80 mm
Protection class Safety class	IP 65 III
Cast aluminium, aluminium and stainless steel Safety glass	
A separate 24 V DC power supply unit is required to operate the luminaires.	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



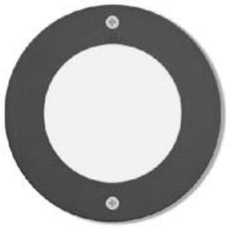


Recessed wall luminaires · **Unshielded** light

		LED		PSU	A	B
22 109	Round	2.3 W	30 lm	Without*	80	80
22 202	Square	2.3 W	35 lm	Without*	80	80

Accessories

Installation housing	Plaster frame
10 415	**10 015**
10 406	**10 006**







Recessed wall luminaires · **Shielded** light

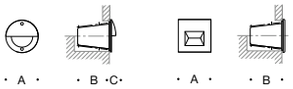
		LED		PSU	A	B
22 101	Round	2.3 W	10 lm	Without*	80	80
22 203	Square	2.3 W	10 lm	Without*	80	80

Accessories

Installation housing	Plaster frame
10 415	**10 015**
10 406	**10 006**







Recessed wall luminaires · **Directed** light

		LED		PSU	A	B	C
22 369	Round	2.7 W	85 lm	Without*	80	80	20
22 230	Square	2.7 W	95 lm	Without*	80	80	—

Accessories

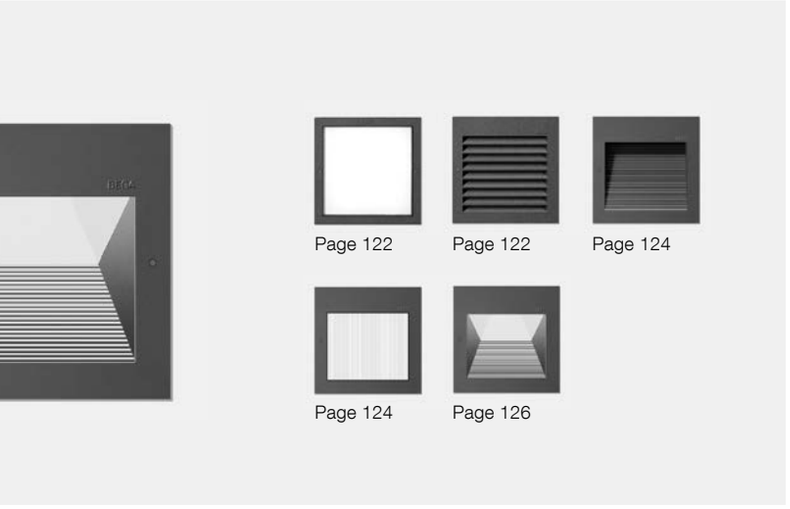
Installation housing	Plaster frame
10 415	**10 015**
10 406	**10 006**

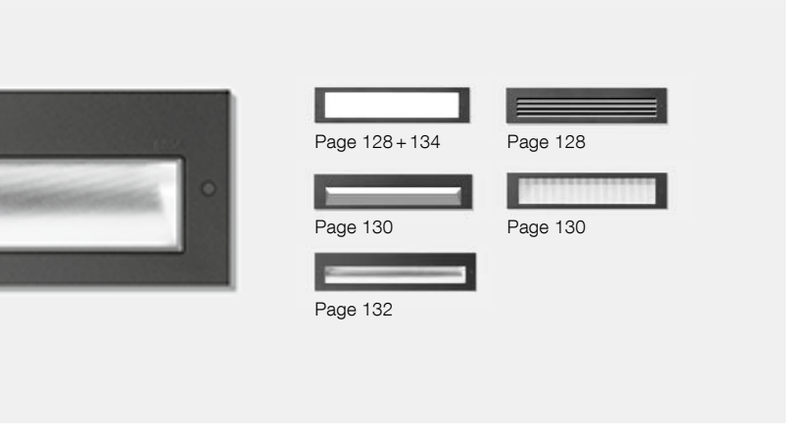




*Suitable 24 V DC power supply units can be found on Page 566.







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BEGA recessed luminaires · Overview of the installation options

For decades, BEGA luminaires of this type have featured as exemplary luminous architectural details on numerous buildings around the world. They have been characteristic of a whole series of luminaires in our range of products and became models for outdoor luminaires in general.
The current versions of the recessed luminaires on Pages 116 to 135 are designed specifically for our LED technology and have the same installation dimensions as their predecessors, which can be replaced without any changes to the installation conditions.

All luminaires are characterised by a slim and at the same time screwless luminaire frame. The extremely low maintenance requirements of our LED technology enable a new product concept with far easier and quicker installation.
For all luminaires, the electrical connection is now established comfortably before installation in the structure.

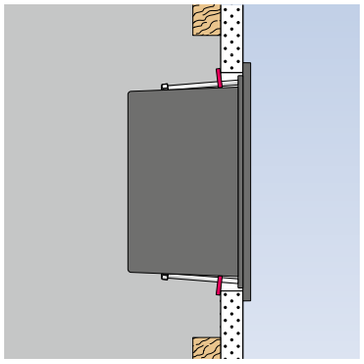
We have a range of perfectly matched accessories available for the various installation situations. During the planning phase, please pay attention to the instructions for use for the installation housings and plaster frames available on our website.

Installation in cavity walls
All recessed luminaires feature the BEGA mounting system and can be surface-mounted in cavity walls of all kinds without the need for any accessories.

Installation in brickwork or concrete
Use the type A installation housing to create the perfect recessed opening for installation in brickwork or concrete. Two plaster frames are available if brickwork or concrete is to be subsequently plastered, both of which make it possible to compensate for different plaster thicknesses.
The type C plaster frame allows the **surface-mounted** installation of the luminaires. With the type D plaster frame, the luminaires are installed **flush**.

Installation in external wall insulation systems (EWIS)
We offer a system solution certified by the independent German Passive House Institute (PHI) for installation in external wall insulation systems. The type B installation housing, together with the insulating elements included and the modular design, allows flexible adjustment to insulation depths of 120 to 200 mm. In plastered EWIS façades, the luminaires can be either surface-mounted or flush-mounted. The type C plaster frame allows the **surface-mounted** installation of the luminaires. With the type D plaster frame, the luminaires are installed **flush**.

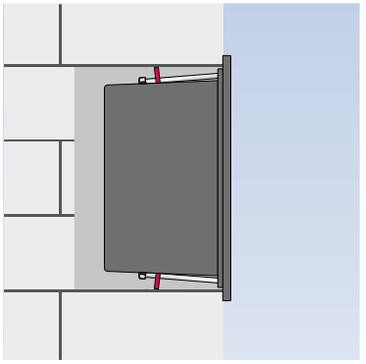
Cavity wall



Surface-mounted installation
in cavity walls of all kinds

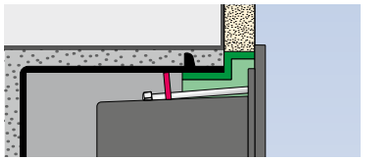
The BEGA mounting system allows fast and convenient installation in lightweight construction walls without any accessories.

Brickwork



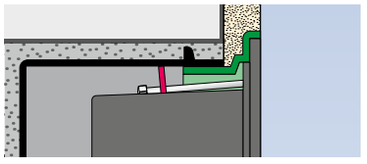
Surface-mounted installation
in unplastered brickwork

The on-site construction of a recessed opening with the exact installation dimensions of the luminaire is required. An installation housing cannot be used.



Surface-mounted installation
in plastered brickwork

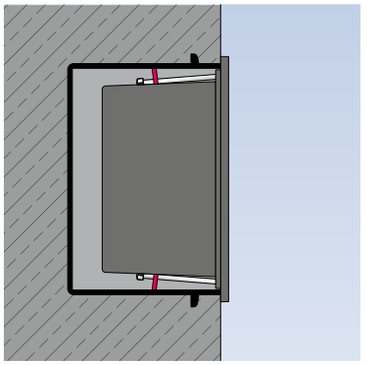
The type **C** plaster frame in conjunction with the type **A** installation housing makes it possible to compensate for different plaster thicknesses.



Flush-mounted installation
in plastered brickwork

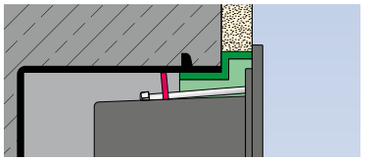
The type **D** plaster frame in conjunction with the type **A** installation housing makes it possible to compensate for different plaster thicknesses and allows the flush-mounting installation of the luminaires.

Concrete



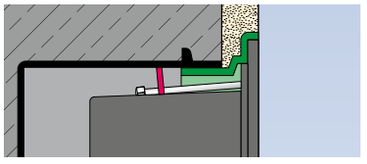
Surface-mounted installation
in unplastered concrete

To make the recessed opening in concrete, we recommend using the type **A** installation housing.



Surface-mounted installation
in plastered concrete

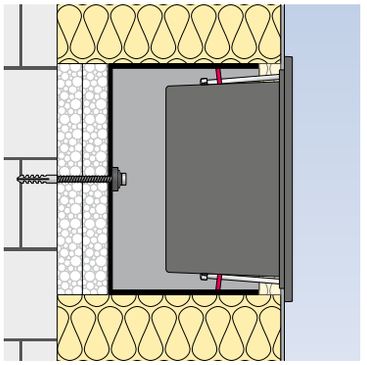
The type **C** plaster frame in conjunction with the type **A** installation housing makes it possible to compensate for different plaster thicknesses.



Flush-mounted installation
in plastered concrete

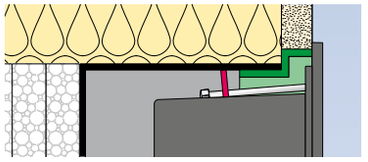
The type **D** plaster frame in conjunction with the type **A** installation housing makes it possible to compensate for different plaster thicknesses and allows the flush-mounting installation of the luminaires.

EWIS



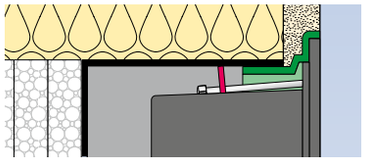
Surface-mounted installation
in unplastered EWIS façades

The type **B** installation housing enables adjustment to insulation depths from 120 to 200 mm with various insulation elements.



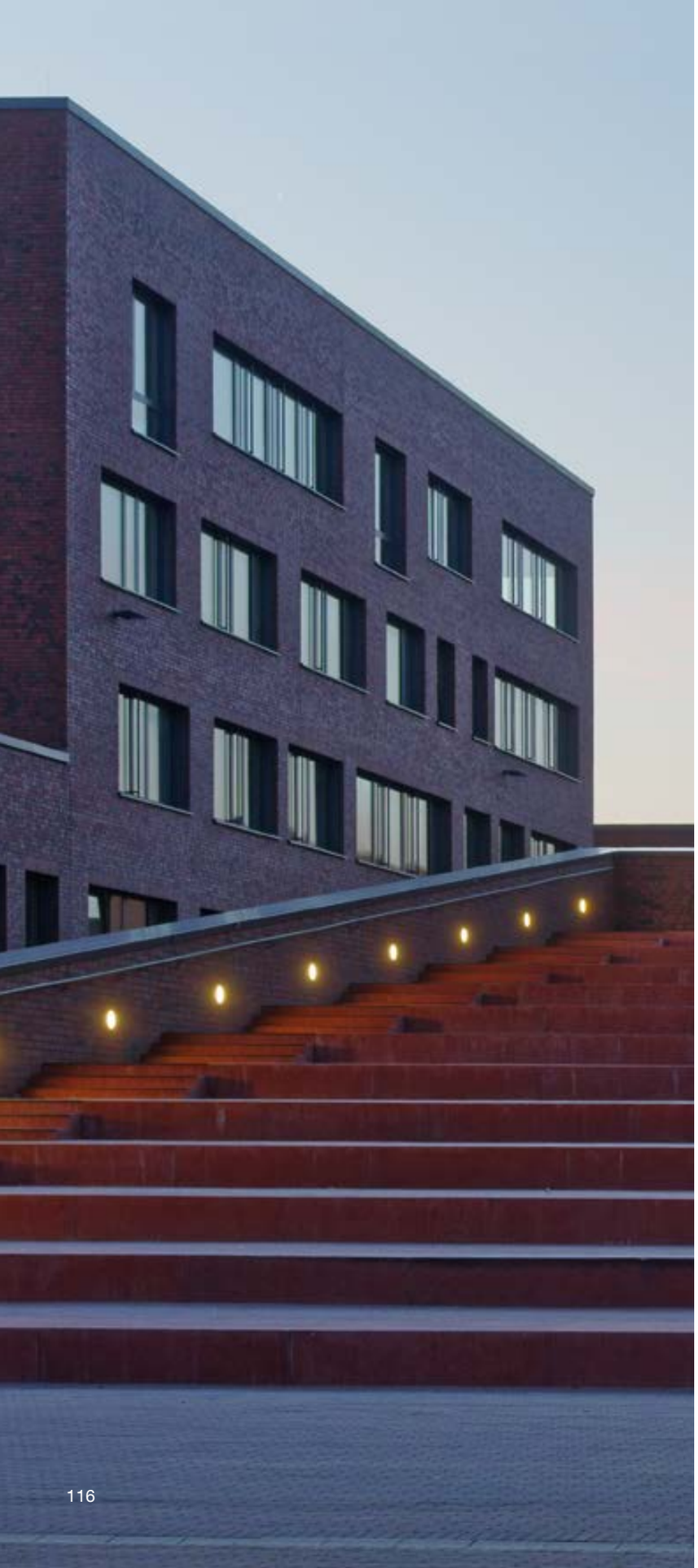
Surface-mounted installation
in plastered EWIS façades

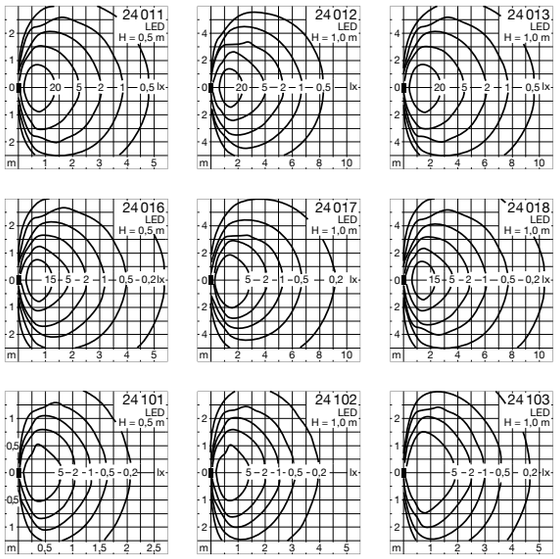
The type **C** plaster frame in conjunction with the type **B** installation housing makes it possible to compensate for different plaster thicknesses.



Flush-mounted installation
in plastered EWIS façades

The type **D** plaster frame in conjunction with the type **B** installation housing makes it possible to compensate for different plaster thicknesses and allows the flush-mounting installation of the luminaires.





Recessed wall luminaires **for flush or surface-mounted installation**

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology.
The extremely low maintenance requirements allow a new product concept with far easier and quicker installation. The electrical connection is comfortably established before installation in the structure.
The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system. All installation dimensions are identical to those of the previous luminaires. The slim yet screwless luminaire frames are highly distinctive.

Two groups of recessed wall luminaires for the illumination of corridors, paths and staircases – both indoors and out:

- The **unshielded** luminaires are optionally available as luminaires for applications requiring a higher degree of illuminance or as location luminaires with lower light output.
- The **shielded** luminaires are used to mark points of danger and traffic areas in low ambient brightness.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	10 to 1380 lm
Connected wattage	2.5 to 13.8 W
Size	Ø 130 · 190 · 250 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® on/off or DALI-controllable	
BEGA Thermal Management®	
Unshielded or shielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



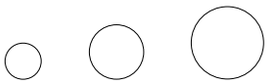
Recessed luminaire
unshielded light

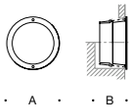


Location luminaire
unshielded light



Location luminaire
shielded light



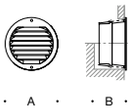


You will find an overview of the various installation options on Page 114.

Unshielded light							Install. housing		Plaster frame	
	LED		PSU	A	B	AC/DC	Type A	Type B	Type C	Type D
24 011	4.9 W	365 lm	on/off	130	100	✔	**10 781**	**13 544**	**10 081**	**13 526**
24 012	9.7 W	900 lm	DALI	190	100	✔	**10 486**	**13 545**	**10 086**	**13 527**
24 013	13.8 W	1380 lm	DALI	250	100	✔	**10 487**	**13 546**	**10 087**	**13 528**

Unshielded light **as location luminaires**							Install. housing		Plaster frame	
	LED		PSU	A	B	AC/DC	Type A	Type B	Type C	Type D
24 016	2.5 W	185 lm	on/off	130	100	✔	**10 781**	**13 544**	**10 081**	**13 526**
24 017	4.8 W	485 lm	on/off	190	100	✔	**10 486**	**13 545**	**10 086**	**13 527**
24 018	6.7 W	745 lm	on/off	250	100	✔	**10 487**	**13 546**	**10 087**	**13 528**



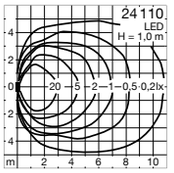


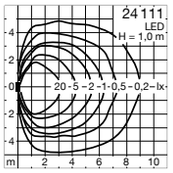
You will find an overview of the various installation options on Page 114.

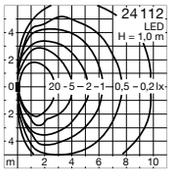
Shielded light **as location luminaires**							Install. housing		Plaster frame	
	LED		PSU	A	B	AC/DC	Type A	Type B	Type C	Type D
24 101	2.5 W	10 lm	on/off	130	100	✔	**10 781**	**13 544**	**10 081**	**13 526**
24 102	4.8 W	40 lm	on/off	190	100	✔	**10 486**	**13 545**	**10 086**	**13 527**
24 103	6.7 W	80 lm	on/off	250	100	✔	**10 487**	**13 546**	**10 087**	**13 528**











Recessed wall luminaires
for flush or surface-mounted installation

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology. The extremely low maintenance requirements allow a new product concept with far easier and quicker installation. The electrical connection is comfortably established before installation in the structure. The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system. All installation dimensions are identical to those of the previous luminaires. The slim yet screwless luminaire frames are highly distinctive.

Recessed wall luminaires with **asymmetrical flat beam** light distribution. The light is directed downwards and shielded above the light emission level. The luminaires are particularly suitable for the wide beam and uniform illumination of surfaces and paths near the luminaires.

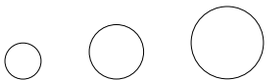
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

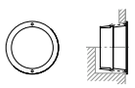
Luminaire data

Luminaire luminous flux	525 to 1260 lm
Connected wattage	7.1 to 20.0 W
Size	Ø 130 · 190 · 250 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



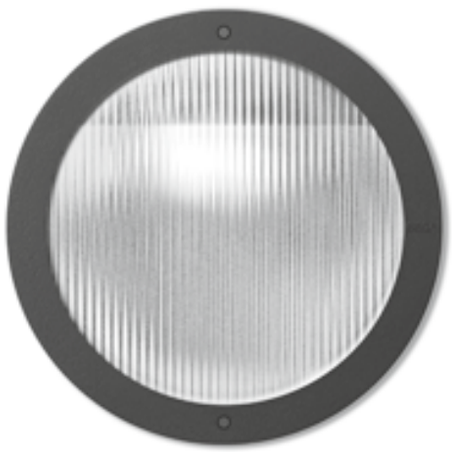
Asymmetrical flat beam
light distribution

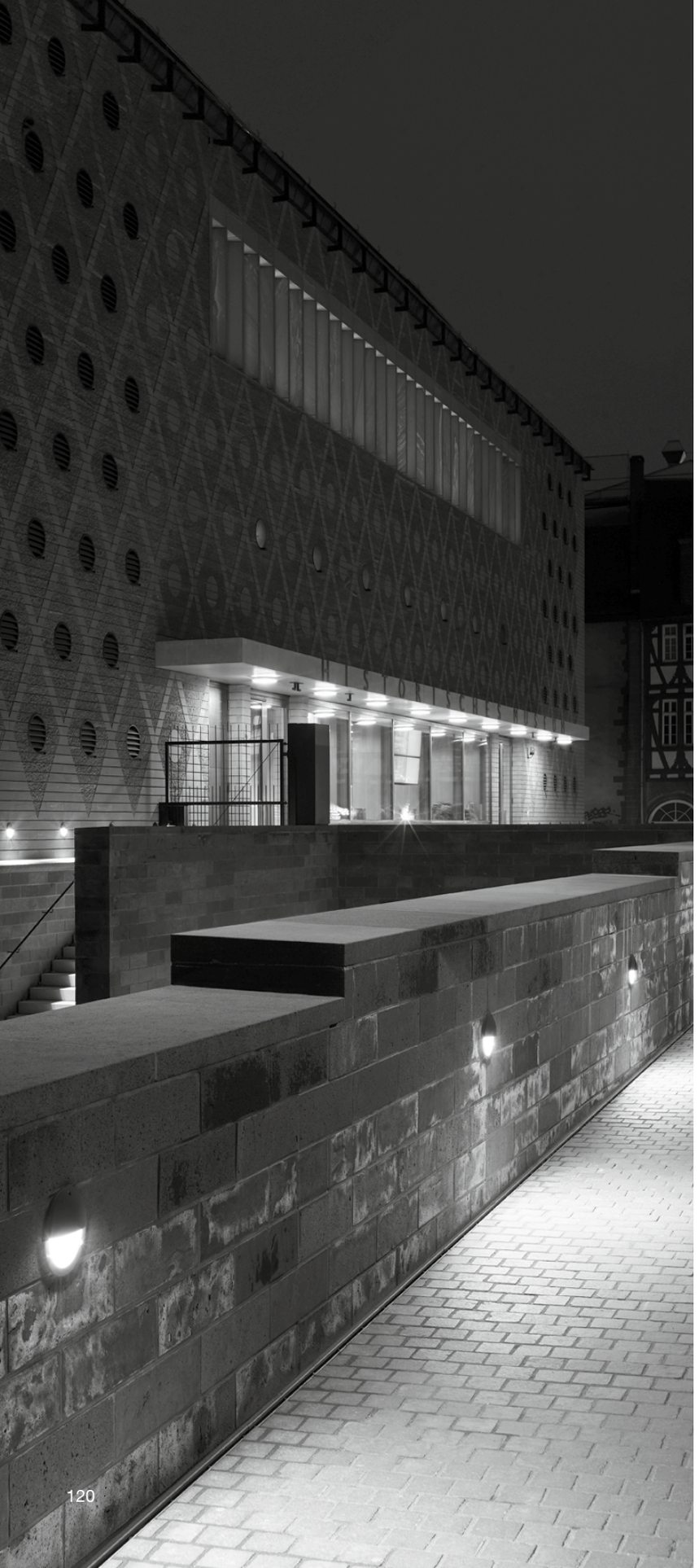


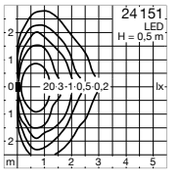


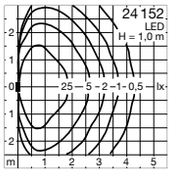
You will find an overview of the various installation options on Page 114.

Asymmetrical flat beam light distribution							Install. housing		Plaster frame	
	LED		PSU	A	B	AC/DC	Type A	Type B	Type C	Type D
24 110	7.1 W	525 lm	on/off	130	100	✔	**10 781**	**13 544**	**10 081**	**13 526**
24 111	11.5 W	840 lm	DALI	190	100	✔	**10 486**	**13 545**	**10 086**	**13 527**
24 112	20.0 W	1260 lm	DALI	250	100	✔	**10 487**	**13 546**	**10 087**	**13 528**









Recessed wall luminaires
for flush or surface-mounted installation

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology. The extremely low maintenance requirements allow a new product concept with far easier and quicker installation. The electrical connection is comfortably established before installation in the structure. The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system. All installation dimensions are identical to those of the previous luminaires.

Luminaires for the glare-free illumination of surfaces from a low mounting height, which make important orientation points visible from a low mounting height without glare in darkness or when the degree of illuminance is too low.
They also serve to indicate points of danger.

Safety glass with light-directing texture distributes the light of the LED onto the surface to be illuminated. The glass is outside the visible area and is thus protected from damage.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

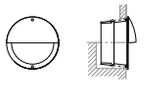
Luminaire data

Luminaire luminous	265 · 550 lm
Connected wattage	5.0 · 9.5 W
Size	Ø 130 · 190 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Shielded light



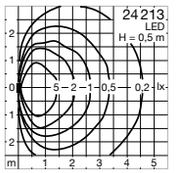


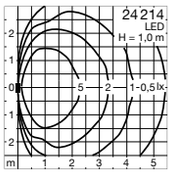
You will find an overview of the various installation options on Page 114.

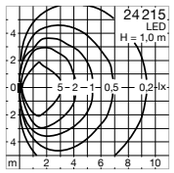
Recessed wall luminaires · **Shielded** light								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
24 151	5.0 W	265 lm	on/off	130	100	20	✔	**10 781**	**13 544**	**10 081**	**13 526**
24 152	9.5 W	550 lm	DALI	190	100	30	✔	**10 486**	**13 545**	**10 086**	**13 527**

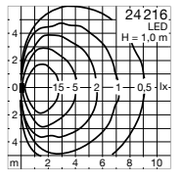


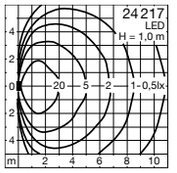


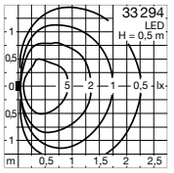


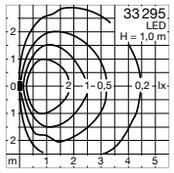


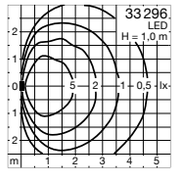


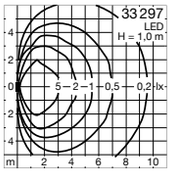


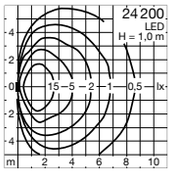


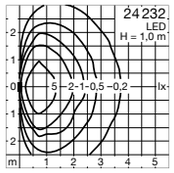


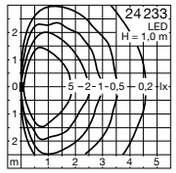












Recessed wall luminaires **for flush or surface-mounted installation**

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology. The extremely low maintenance requirements allow a new product concept with far easier and quicker installation. The electrical connection is comfortably established before installation in the structure. The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system. All installation dimensions are identical to those of the previous luminaires. The slim yet screwless luminaire frames are highly distinctive.

Two luminaire groups for the illumination of corridors, paths and staircases – both indoors and out:

- The **unshielded** luminaires are optionally available as luminaires for applications requiring a higher degree of illuminance or as location luminaires with lower light output.
- The **shielded** luminaires are used to mark points of danger and traffic areas in low ambient brightness.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	45 to 1605 lm
Connected wattage	2.3 to 22.3 W
Size	□ 80 · 100 · 150 · 190 · 250 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
Luminaires without power supply unit, with on/off power supply unit or DALI-controllable power supply unit	
BEGA Thermal Management®	
Unshielded or shielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



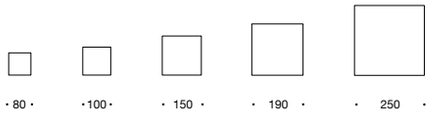
Recessed luminaire
Unshielded light

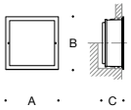


Location luminaire
Unshielded light



Location luminaire
Shielded light





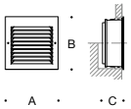
You will find an overview of the various installation options on Page 114.

Unshielded light								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
24 213	4.0 W	90 lm	without*	80	80	70	—	**10 406**	—	**10 006**	**10 070**
24 214	5.0 W	265 lm	on/off	100	100	70	✔	**10 782**	—	**10 082**	**10 071**
24 215	8.5 W	625 lm	DALI	150	150	80	✔	**10 463**	**13 540**	**10 063**	**10 072**
24 216	14.0 W	1225 lm	DALI	190	190	80	✔	**10 489**	**13 541**	**10 089**	**10 073**
24 217	22.3 W	1605 lm	DALI	250	250	105	✔	**10 490**	**13 542**	**10 090**	**13 529**

Unshielded light **as location luminaires**								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
33 294	2.3 W	60 lm	without*	80	80	70	—	**10 406**	—	**10 006**	**10 070**
33 295	2.7 W	135 lm	on/off	100	100	70	✔	**10 782**	—	**10 082**	**10 071**
33 296	3.9 W	320 lm	on/off	150	150	80	✔	**10 463**	**13 540**	**10 063**	**10 072**
33 297	6.7 W	625 lm	on/off	190	190	80	✔	**10 489**	**13 541**	**10 089**	**10 073**
24 200	11.4 W	830 lm	on/off	250	250	105	✔	**10 490**	**13 542**	**10 090**	**13 529**







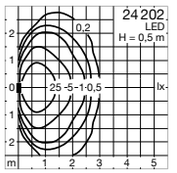
You will find an overview of the various installation options on Page 114.

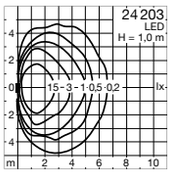
Shielded light **as location luminaires**								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
24 232	3.9 W	45 lm	on/off	150	150	100	✔	**10 463**	**13 540**	**10 063**	**10 072**
24 233	6.7 W	90 lm	on/off	190	190	100	✔	**10 489**	**13 541**	**10 089**	**10 073**

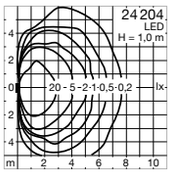
*Safety class III · Suitable 24 V DC power supply units can be found on Page 566.

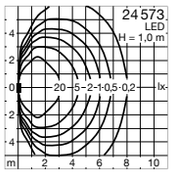
Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting

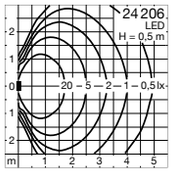


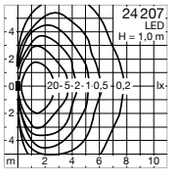


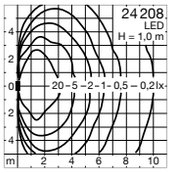


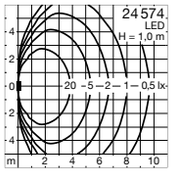












Recessed wall luminaires **for flush or surface-mounted installation**

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology. The extremely low maintenance requirements allow a new product concept with far easier and quicker installation. The electrical connection is comfortably established before installation in the structure. The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system. All installation dimensions are identical to those of the previous luminaires.

Two luminaire groups for the illumination of corridors, paths and staircases – both indoors and out:

- The **shielded** luminaires direct the light downwards and are completely shielded above the horizontal.The highest degree of illuminance is generated in the immediate vicinity of the luminaire. Luminaires with a high level of visual comfort for the uniform illumination of footpaths and surfaces with maximum glare suppression.
- The luminaires with **asymmetrical flat beam** light distribution emit their light across the width of the room. The light is directed downwards and shielded above the light emission level. For the wide beam and uniform illumination of surfaces and paths.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

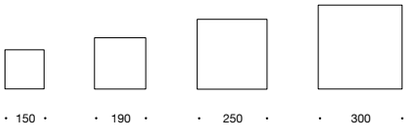
Luminaire luminous flux	265 to 2500 lm
Connected wattage	4.0 to 22.5 W
Size	□ 150 · 190 · 250 · 300 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded light or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

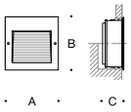


Shielded light



Asymmetrical flat beam
light distribution

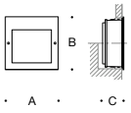




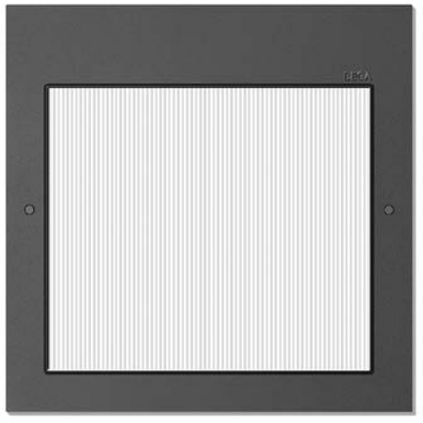
You will find an overview of the various installation options on Page 114.



Shielded light								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
24 202	4.0 W	265 lm	on/off	150	150	100	✔	**10 463**	**13 540**	**10 063**	**10 072**
24 203	6.9 W	475 lm	DALI	190	190	100	✔	**10 489**	**13 541**	**10 089**	**10 073**
24 204	13.5 W	1110 lm	DALI	250	250	105	✔	**10 490**	**13 542**	**10 090**	**13 529**
24 573	22.5 W	1620 lm	DALI	300	300	105	✔	**10 492**	**13 606**	**10 092**	**13 605**



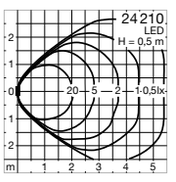
You will find an overview of the various installation options on Page 114.

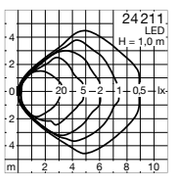


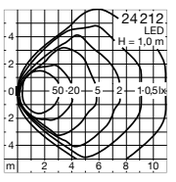
Asymmetrical flat beam light distribution								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
24 206	4.0 W	400 lm	on/off	150	150	100	✔	**10 463**	**13 540**	**10 063**	**10 072**
24 207	6.9 W	710 lm	DALI	190	190	100	✔	**10 489**	**13 541**	**10 089**	**10 073**
24 208	13.5 W	1715 lm	DALI	250	250	105	✔	**10 490**	**13 542**	**10 090**	**13 529**
24 574	22.5 W	2500 lm	DALI	300	300	105	✔	**10 492**	**13 606**	**10 092**	**13 605**

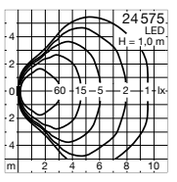
Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting




24 210
LED
H = 0,5 m
20 – 5 – 2 – 1 – 0,5 lx
m 1 2 3 4 5


24 211
LED
H = 1,0 m
20 – 5 – 2 – 1 – 0,5 – lx
m 2 4 6 8 10


24 212
LED
H = 1,0 m
50 20 – 5 – 2 – 1 0,5 lx
m 2 4 6 8 10


24 575
LED
H = 1,0 m
60 – 15 – 5 – 2 – 1 – lx
m 2 4 6 8 10

Recessed wall and ceiling luminaires
for flush or surface mounting

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology.
The electrical connection is comfortably established before installation in the structure. The now-connected luminaire is then mounted in the building structure or installation housing using the BEGA mounting system. All installation dimensions are identical to those of the previous luminaires.
The slim, screwless luminaire frames are distinctive in their design.

With **asymmetrical** light distribution, these luminaires are particularly suitable for the glare-free illumination of floor, wall and ceiling surfaces – both indoors and out. They produce a high degree of illuminance on the illuminated surface.
They are luminaires with the characteristics of a floodlight, which produce spatial illumination and are suitable for illuminating squares, driveways, stairs and wide footpaths.

When used as recessed wall luminaires to illuminate ceiling surfaces, the light distribution is particularly suitable for the illumination porches and cantilever roofs, subways and covered entrances.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

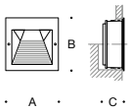
Luminaire data

Luminaire luminous flux	310 to 2100 lm
Connected wattage	4.0 to 22.5 W
Size	□ 150 · 190 · 250 · 300 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



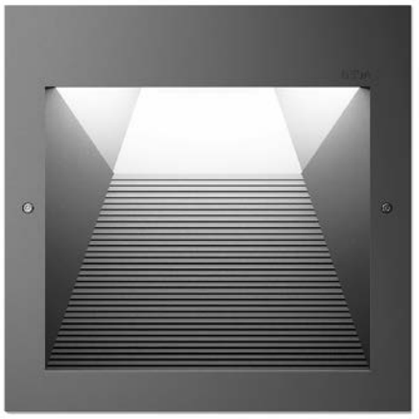


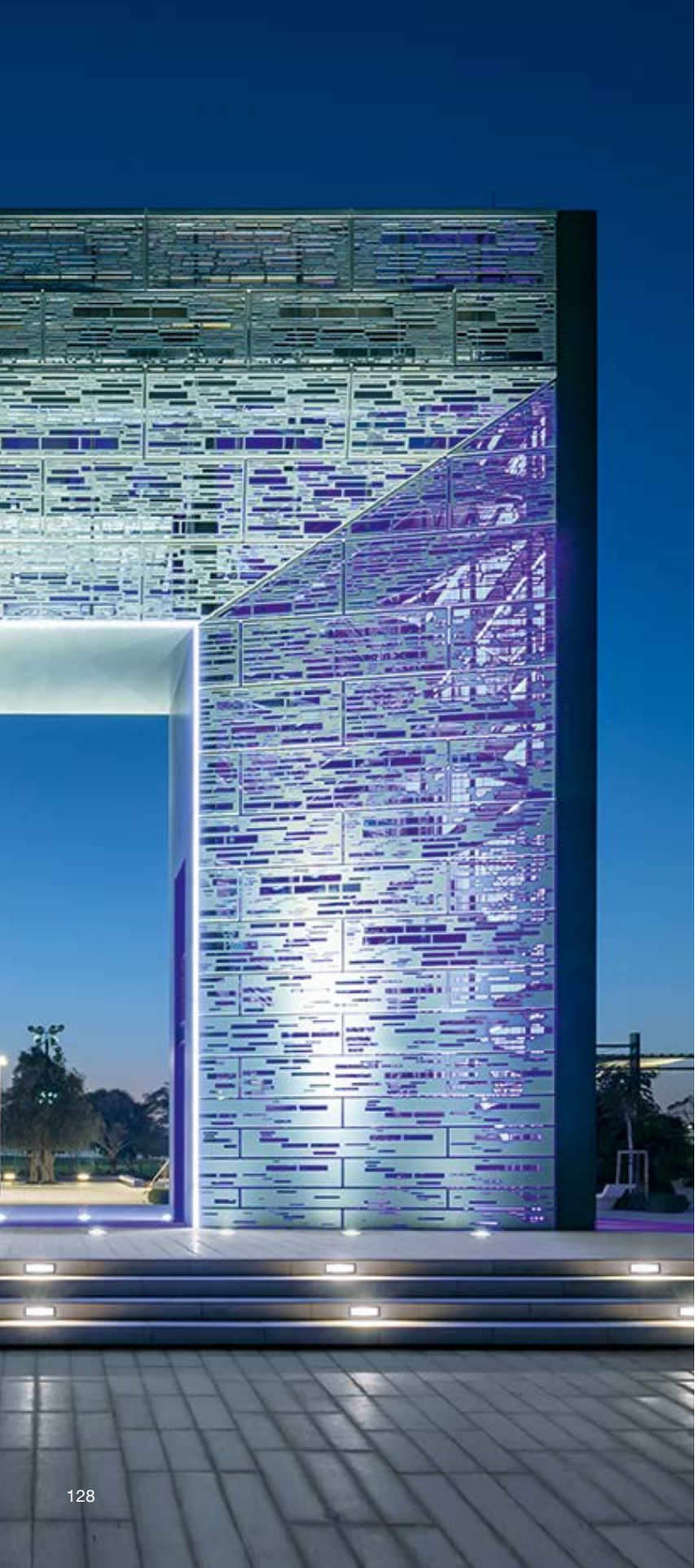


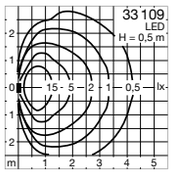


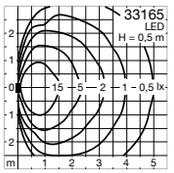
You will find an overview of the various installation options on Page 114.

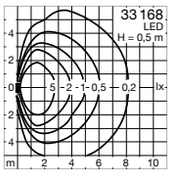
Asymmetrical light distribution								Install.housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
24 210	4.0 W	310 lm	on/off	150	150	100	✔	**10 463**	**13 540**	**10 063**	**10 072**
24 211	6.9 W	565 lm	DALI	190	190	100	✔	**10 489**	**13 541**	**10 089**	**10 073**
24 212	13.5 W	1425 lm	DALI	250	250	105	✔	**10 490**	**13 542**	**10 090**	**13 529**
24 575	22.5 W	2100 lm	DALI	300	300	105	✔	**10 492**	**13 606**	**10 092**	**13 605**

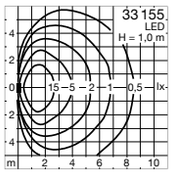


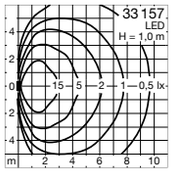


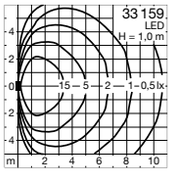


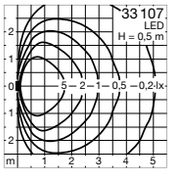


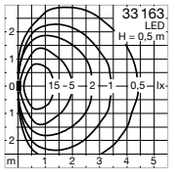


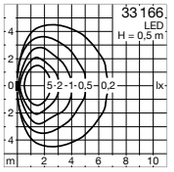


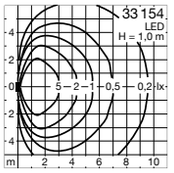


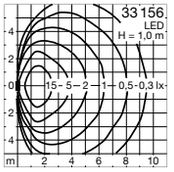


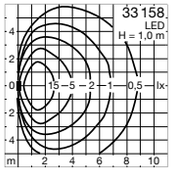












Recessed luminaires for walls and staircases
For flush or surface-mounted installation

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology.
The electrical connection is comfortably established before installation in the structure. The now-connected luminaire is then mounted in the building structure or installation housing using the BEGA mounting system. All installation dimensions are identical to those of the previous luminaires.
The slim, screwless luminaire frames are distinctive in their design.

Depending on the size, the luminaires can be installed in risers and in walls – both indoors and out.

- The unshielded luminaires are available with a choice of two light outputs. As luminaires for areas of application where a higher degree of illuminance is required or as location luminaires with lower light output.
- The shielded luminaires are used to mark points of danger and traffic areas in low ambient brightness.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	30 to 1720 lm
Connected wattage	2.7 to 23.0 W
Length	170 to 520 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Unshielded or shielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



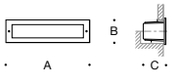
Recessed luminaire
Unshielded light



Location luminaire
Unshielded light



Location luminaire
Shielded light



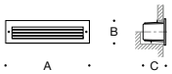
You will find an overview of the various installation options on Page 114.

Unshielded light								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
33 109	5.1 W	330 lm	on/off	170	70	65	✔	**10 424**	**13 519**	**10 024**	**13 503**
33 165	7.8 W	515 lm	on/off	260	70	65	✔	**10 425**	**13 520**	**10 025**	**13 504**
33 168	10.8 W	700 lm	on/off	320	70	65	✔	**10 426**	**13 521**	**10 026**	**13 505**
33 155	14.5 W	905 lm	DALI	330	125	90	✔	**10 436**	**13 522**	**10 036**	**13 506**
33 157	19.0 W	1330 lm	DALI	420	125	90	✔	**10 437**	**13 523**	**10 037**	**13 507**
33 159	23.0 W	1720 lm	DALI	520	125	90	✔	**10 438**	**13 524**	**10 038**	**13 508**

Unshielded light **as location luminaires**								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
33 107	2.7 W	170 lm	on/off	170	70	65	✔	**10 424**	**13 519**	**10 024**	**13 503**
33 163	4.5 W	240 lm	on/off	260	70	65	✔	**10 425**	**13 520**	**10 025**	**13 504**
33 166	4.9 W	335 lm	on/off	320	70	65	✔	**10 426**	**13 521**	**10 026**	**13 505**
33 154	7.0 W	515 lm	on/off	330	125	90	✔	**10 436**	**13 522**	**10 036**	**13 506**
33 156	10.0 W	745 lm	on/off	420	125	90	✔	**10 437**	**13 523**	**10 037**	**13 507**
33 158	12.0 W	940 lm	on/off	520	125	90	✔	**10 438**	**13 524**	**10 038**	**13 508**



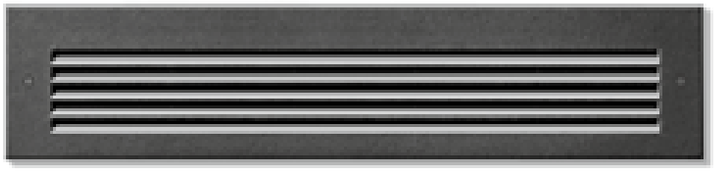




You will find an overview of the various installation options on Page 114.

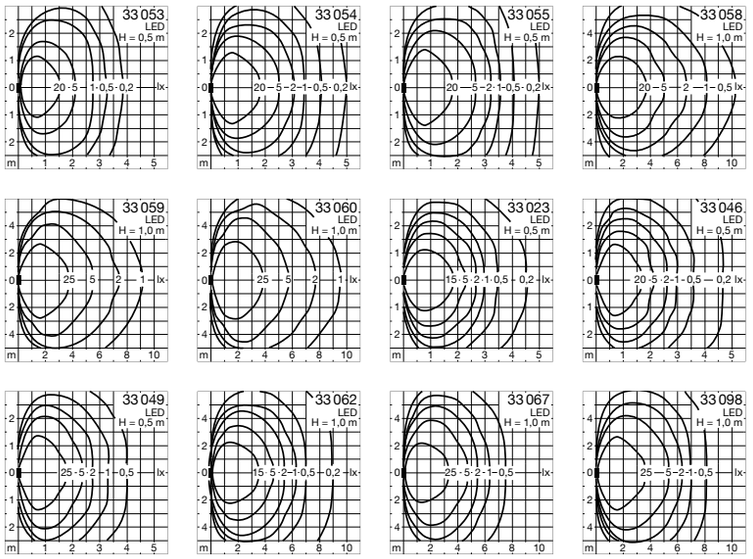
Shielded light **as location luminaires**								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
33 017	2.7 W	30 lm	on/off	170	70	65	✔	**10 424**	**13 519**	**10 024**	**13 503**
33 018	4.5 W	45 lm	on/off	260	70	65	✔	**10 425**	**13 520**	**10 025**	**13 504**
33 019	4.9 W	65 lm	on/off	320	70	65	✔	**10 426**	**13 521**	**10 026**	**13 505**
33 050	7.0 W	60 lm	on/off	330	125	90	✔	**10 436**	**13 522**	**10 036**	**13 506**
33 051	10.0 W	95 lm	on/off	420	125	90	✔	**10 437**	**13 523**	**10 037**	**13 507**
33 052	12.0 W	115 lm	on/off	520	125	90	✔	**10 438**	**13 524**	**10 038**	**13 508**





Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting





Recessed luminaires for walls and staircases
For flush or surface-mounted installation

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous structures worldwide. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology. The extremely low maintenance requirements allow a new product concept with far easier and quicker installation. The electrical connection is comfortably established before installation in the structure. The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system. All installation dimensions are identical to those of the previous luminaires.

Depending on the size, the luminaires can be installed in risers and in walls – both indoors and out.

- Luminaires with **asymmetrical** light distribution illuminate ground surfaces in the depth of the room.
- Luminaires with **asymmetrical flat beam** light distribution emit their light into the width of the room and illuminate ground surfaces uniformly and with a very wide beam.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	230 to 1870 lm
Connected wattage	5.2 to 23.0 W
Length	170 to 520 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical
Light distribution



Asymmetrical flat beam
Light distribution

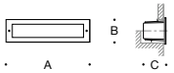


You will find an overview of the various installation options on Page 114.



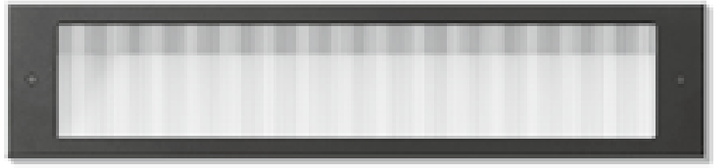


Asymmetrical light distribution								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
33 053	5.2 W	230 lm	on/off	170	70	65	✔	**10 424**	**13 519**	**10 024**	**13 503**
33 054	7.8 W	340 lm	on/off	260	70	65	✔	**10 425**	**13 520**	**10 025**	**13 504**
33 055	11.0 W	480 lm	on/off	320	70	65	✔	**10 426**	**13 521**	**10 026**	**13 505**
33 058	14.5 W	1100 lm	DALI	330	125	90	✔	**10 436**	**13 522**	**10 036**	**13 506**
33 059	19.0 W	1485 lm	DALI	420	125	90	✔	**10 437**	**13 523**	**10 037**	**13 507**
33 060	23.0 W	1870 lm	DALI	520	125	90	✔	**10 438**	**13 524**	**10 038**	**13 508**



You will find an overview of the various installation options on Page 114.

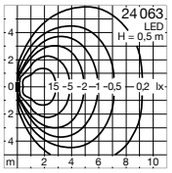


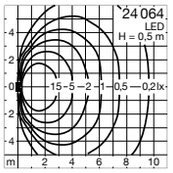


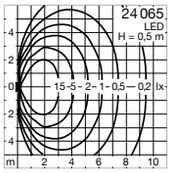
Asymmetrical flat beam light distribution								Install. housing		Plaster frame	
	LED		PSU	A	B	C	AC/DC	Type A	Type B	Type C	Type D
33 023	5.2 W	300 lm	on/off	170	70	65	✔	**10 424**	**13 519**	**10 024**	**13 503**
33 046	7.8 W	465 lm	on/off	260	70	65	✔	**10 425**	**13 520**	**10 025**	**13 504**
33 049	11.0 W	620 lm	on/off	320	70	65	✔	**10 426**	**13 521**	**10 026**	**13 505**
33 062	14.5 W	1025 lm	DALI	330	125	90	✔	**10 436**	**13 522**	**10 036**	**13 506**
33 067	19.0 W	1470 lm	DALI	420	125	90	✔	**10 437**	**13 523**	**10 037**	**13 507**
33 098	23.0 W	1855 lm	DALI	520	125	90	✔	**10 438**	**13 524**	**10 038**	**13 508**

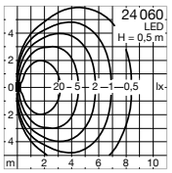
Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting

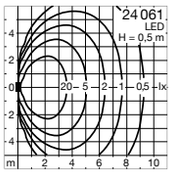


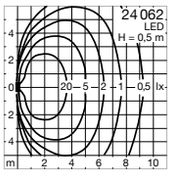












Surface washers · Recessed wall luminaires
for flush or surface mounting

For decades, BEGA luminaires of this type have featured as exemplary luminous architectural details on numerous buildings around the world. We are constantly developing these luminaires and always perfectly match the construction and design to our LED technology.

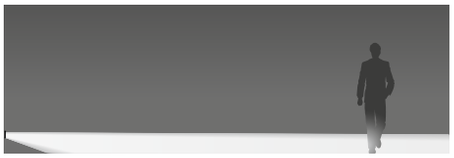
These recessed wall luminaires with asymmetrical light distribution are particularly suitable for the illumination of ground surfaces from a very low mounting height (0.3 to 0.5 m). Available in different sizes and with different light outputs, these luminaires provide spatial illumination with high uniformity.

The extremely low maintenance requirements of our LED technology enable a new product concept with far easier and quicker installation. The electrical connection is comfortably established before installation in the structure. The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system.
All installation dimensions are identical to those of the previous luminaires.

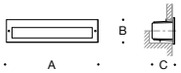
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	300 to 1460 lm
Connected wattage	6.1 to 23.7 W
Length	170 to 520 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Recessed wall luminaires for the spatial illumination of ground surfaces from a very low mounting height

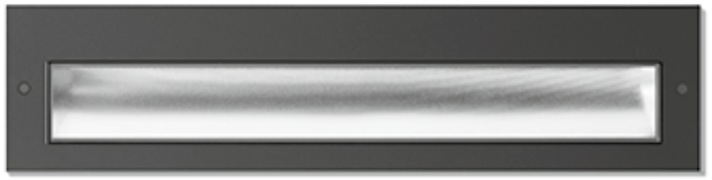


You will find an overview of the various installation options on Page 114.

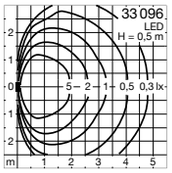
Asymmetrical light distribution

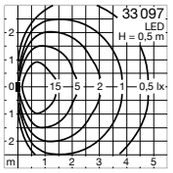
	LED		PSU	A	B	C	AC/DC	Install. housing Type A	Install. housing Type B	Plaster frame Type C	Plaster frame Type D
24 063	6.1 W	300 lm	on/off	170	70	65	✔	**10 424**	**13 519**	**10 024**	**13 503**
24 064	9.2 W	490 lm	on/off	260	70	65	✔	**10 425**	**13 520**	**10 025**	**13 504**
24 065	11.0 W	555 lm	on/off	320	70	65	✔	**10 426**	**13 521**	**10 026**	**13 505**
24 060	15.0 W	850 lm	DALI	330	125	90	✔	**10 436**	**13 522**	**10 036**	**13 506**
24 061	21.3 W	1165 lm	DALI	420	125	90	✔	**10 437**	**13 523**	**10 037**	**13 507**
24 062	23.7 W	1460 lm	DALI	520	125	90	✔	**10 438**	**13 524**	**10 038**	**13 508**

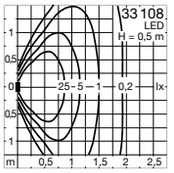












Recessed wall luminaires
for flush or surface-mounted installation

Recessed luminaires for installation in walls or stairs. The luminaires can be installed as flush or surface-mounted units. In addition to their slim, LED-compatible design, they are extremely simple and quick to install. The electrical connection is comfortably established before installation in the structure.
The installed luminaire is then mounted securely in the structure or in the installation housing with our BEGA mounting system. The unshielded luminaires 33 096 · 33 097 can be mounted horizontally as well as vertically.

Depending on the size, the luminaires can be installed in risers and in walls – both indoors and out.

- The **unshielded** luminaires are suitable as location luminaires for higher ambient brightness.
- The **shielded** luminaires are used to mark points of danger and traffic areas in low ambient brightness.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	100 to 320 lm
Connected wattage	2.8 to 5.8 W
Length	220 · 320 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
Unshielded or shielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



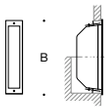
Unshielded light



Shielded light



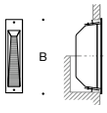
The luminaires 33 096 · 33 097 can be installed either vertically or horizontally. In addition to their use in walls, they are also suitable for use in staircase risers – both indoors and out.



You will find an overview of the various installation options on Page 114.

Unshielded light

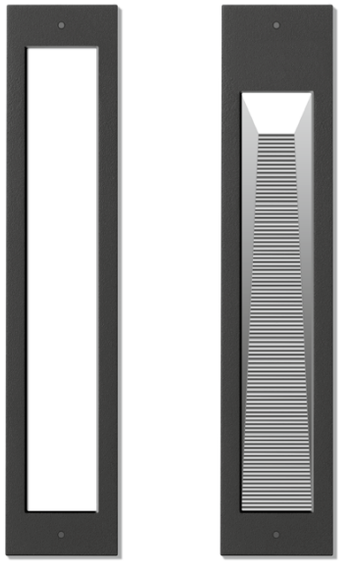
	LED		PSU	A	B	C	AC/DC	Install. housing Type A	Install. housing Type B	Plaster frame Type C	Plaster frame Type D
33 096	3.9 W	135 lm	on/off	50	220	75	✔	**10 454**	**13 570**	**10 054**	**10 074**
33 097	5.8 W	320 lm	on/off	50	320	75	✔	**10 455**	**13 571**	**10 059**	**10 079**

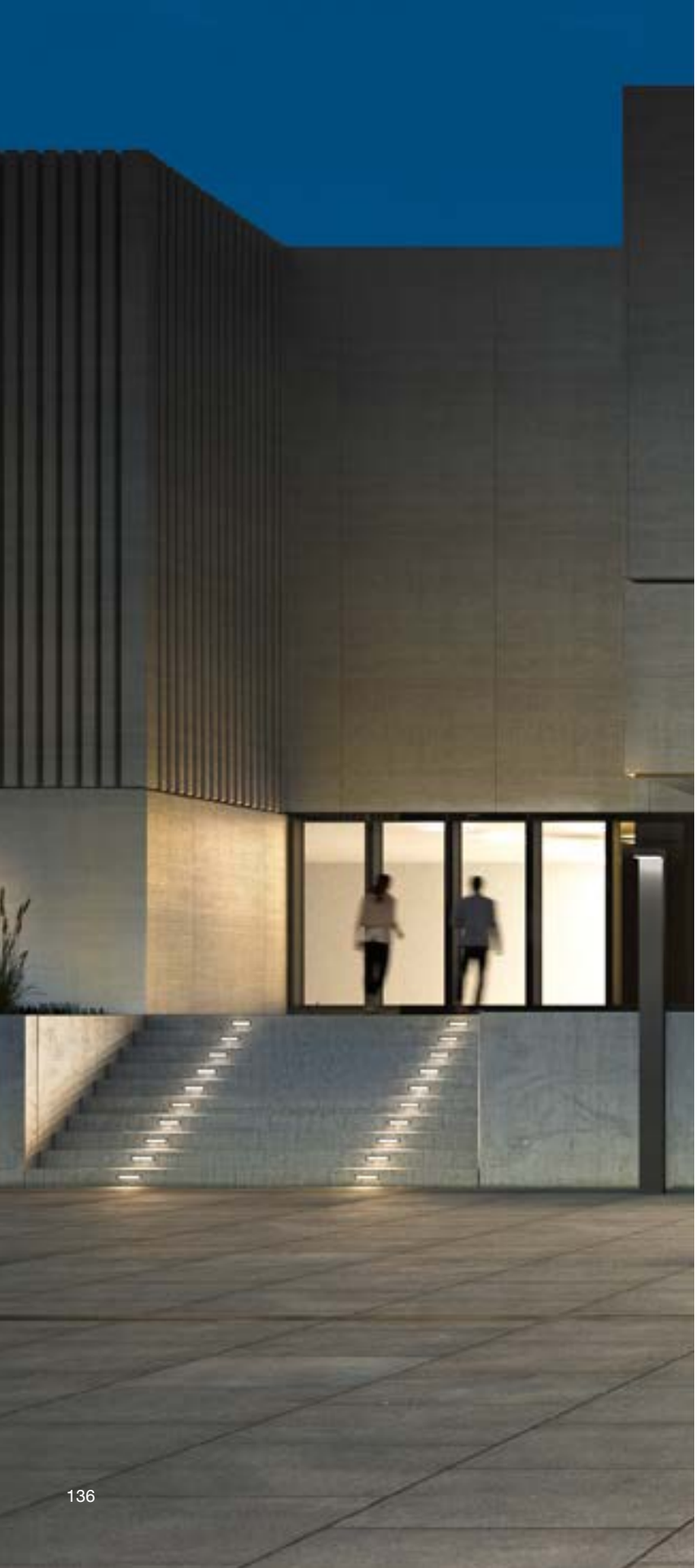


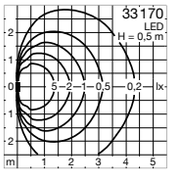
You will find an overview of the various installation options on Page 114.

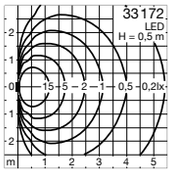
Shielded light

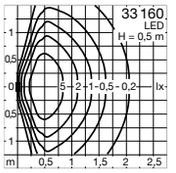
	LED		PSU	A	B	C	AC/DC	Install. housing Type A	Install. housing Type B	Plaster frame Type C	Plaster frame Type D
33 108	2.8 W	100 lm	on/off	50	220	75	✔	**10 454**	**13 570**	**10 054**	**10 074**

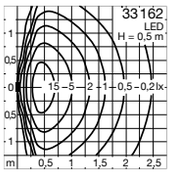


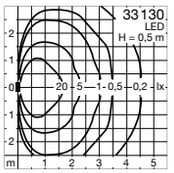


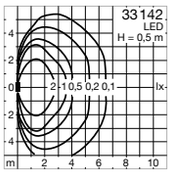












Recessed luminaires **made of stainless steel**
for walls and staircases

Luminaires that are particularly suitable for installation in staircase risers – both indoors and out – thanks to their compact dimensions. Recessed luminaires for walls and stairs are often subject to special on-site requirements. In addition to the mechanical stresses caused by vandalism, luminaires are also subjected to emissions and construction-related leaching of aggressive media.
For such applications where a high degree of material resistance is advisable, this series features luminaires with cover frames and luminaire housings made entirely of stainless steel.
The unshielded luminaires can also be installed in a vertical burning position. Shallow installation depths and the BEGA mounting system ensure simple and economical installation in solid or hollow structures.

- The **unshielded** luminaires are suitable as location luminaires for higher ambient brightness.
- The **shielded** luminaires are used to identify points of danger and traffic areas in low ambient brightness.
- The luminaires with **asymmetrical flat beam** light distribution emit their light into the width of the room and illuminate ground surfaces uniformly and with a very wide beam.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	10 to 725 lm
Connected wattage	2.7 to 7.4 W
Length	165 · 315 mm
Protection class	IP 65
Housing and cover frame made of stainless steel Safety glass Connecting cable and line connector	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
Unshielded or shielded light or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	



Recessed luminaire
unshielded light



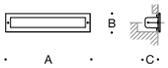
Location luminaire
shielded light



Recessed luminaire
asymmetrical flat beam
light distribution

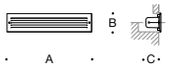


Luminaires with very high material resistance:
luminaire housing and cover frame made of
stainless steel



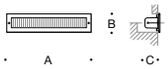
Unshielded light								Accessories	
	LED		PSU	A	B	C	AC/DC	Installation housing	Plaster frame
33 170	2.7 W	105 lm	on/off	165	70	85	✔	**10 424**	**10 024**
33 172	3.9 W	195 lm	on/off	315	70	85	✔	**10 426**	**10 026**





Shielded light **as location luminaires**								Accessories	
	LED		PSU	A	B	C	AC/DC	Installation housing	Plaster frame
33 160	2.7 W	10 lm	on/off	165	70	85	✔	**10 424**	**10 024**
33 162	3.9 W	20 lm	on/off	315	70	85	✔	**10 426**	**10 026**





Asymmetrical flat beam light distribution								Accessories	
	LED		PSU	A	B	C	AC/DC	Installation housing	Plaster frame
33 130	7.4 W	255 lm	on/off	165	70	85	✔	**10 424**	**10 024**
33 142	6.8 W	725 lm	on/off	315	70	85	✔	**10 426**	**10 026**





Recessed wall luminaires **made of stainless steel**
Unshielded luminaires, luminaires with asymmetrical light distribution or RGB recessed luminaires for additive colour mixing

Corrosion resistant recessed wall luminaires made of stainless steel with high structural strength for various applications. Luminaires that guarantee reliable and cost-effective operation. Different dimensions are available for your lighting applications. Luminaires in which the cover frame and luminaire glass form a single flat plane – without offset. The unshielded luminaires are optionally available as location luminaires with reduced light output or as luminaires for areas of application where a higher degree of illuminance is required.
Shallow installation depths and the BEGA mounting system ensure simple and economical installation in solid or hollow structures.

Depending on the size, the luminaires can be installed in risers and in walls – both indoors and out.

- The **unshielded luminaires** are optionally available as location luminaires with reduced light output or as luminaires for areas of application where a higher degree of illuminance is required.
- The luminaires with **asymmetrical** light distribution emit their light into the width of the room and illuminate ground surfaces uniformly and with a very wide beam.
- The **RGB recessed luminaires** are suitable for integration into light and building control systems. Operating the RGB recessed luminaires requires both an operating device and a colour light control unit. For DALI system components, see Pages 568 to 571.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2 to 495 lm
Connected wattage	0.4 to 25.0 W
Length	100 · 200 · 400 · 1000 mm
Protection class	IP 67
Safety class	III
Housing and cover frame made of stainless steel Safety glass Connecting cable	
A separate 24 V DC power supply unit is required to operate the luminaires.	
Unshielded light or asymmetrical light distribution or RGB recessed luminaires for additive colour mixing	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	



Recessed luminaire
Unshielded light



Location luminaire
Unshielded light



Recessed luminaire
Asymmetrical light distribution



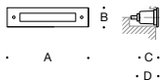
On request, we can also supply these luminaires in the LED light colours green, blue, amber or red.











Unshielded light

	LED		PSU	A	B	C	D	Installation housing
33 287	2.2 W	35 lm	Without*	200	37	45	60	**10 634**
33 288	3.6 W	125 lm	Without*	400	37	45	60	**10 639**
33 289	10.5 W	210 lm	Without*	1000	55	45	60	**10 795**

Unshielded light **as location luminaires**

	LED		PSU	A	B	C	D	Installation housing
33 280	0.6 W	2 lm	Without*	100	37	45	60	**10 633**
33 281	0.4 W	4 lm	Without*	200	37	45	60	**10 634**
33 282	0.7 W	15 lm	Without*	400	37	45	60	**10 639**
33 283	2.3 W	55 lm	Without*	1000	55	45	60	**10 795**

Recessed luminaires · **asymmetrical** light distribution

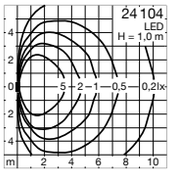
	LED		PSU	A	B	C	D	Installation housing
33 285	3.6 W	170 lm	Without*	400	55	45	60	**10 561**
33 286	10.5 W	495 lm	Without*	1000	55	45	60	**10 795**

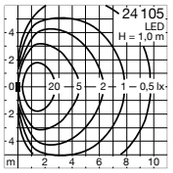
RGB recessed luminaires for **additive colour mixing**

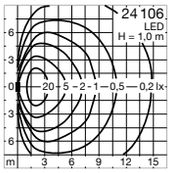
	LED	PSU	A	B	C	D	Installation housing
33 291	4.1 W	Without*	200	37	45	60	**10 634**
33 292	10.2 W	Without*	400	37	45	60	**10 639**
33 293	25.0 W	Without*	1000	55	45	60	**10 795**

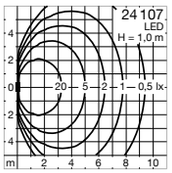
*Suitable 24 V DC power supply units can be found on Page 566.

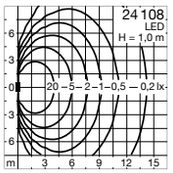


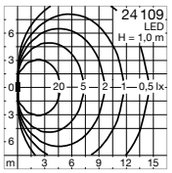












Recessed luminaires **made of stainless steel for surface-mounted installation**

Large-format recessed wall luminaires with unshielded light or asymmetrical light distribution. Unshielded luminaires and luminaires with asymmetrical light distribution for glare-free illumination of ground surfaces.
The different luminaire lengths and light outputs offer a multitude of possibilities for designing with light.
Distinctive luminaires of the highest quality. Design elements that – arranged individually, in rows or in groups – enable impressive lighting solutions.

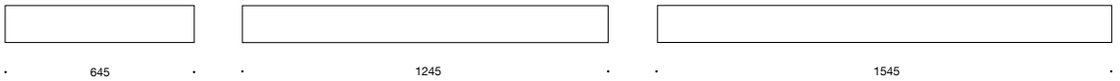
- The luminaires with **unshielded** light are suitable as location luminaires for higher ambient brightness.
- The luminaires with **asymmetrical** light distribution are particularly suitable for the glare-free spatial illumination of ground surfaces from a low mounting height with a high degree of uniformity.

The luminaires are supplied with a recessed housing for installation in solid or hollow structures.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

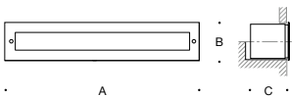
Luminaire data

Luminaire luminous flux	615 to 3595 lm
Connected wattage	11.9 to 44.6 W
Length	645 · 1245 · 1545 mm
Protection class	IP 65
Cover frames made of stainless steel Luminaire housing and recessed housing made of aluminium Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units.	
BEGA Thermal Management®	
Unshielded light or asymmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	





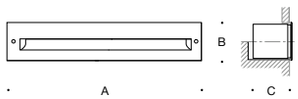






Unshielded light

	LED		PSU	A	B	C	AC/DC	Recessed housing
24 104	11.9 W	615 lm	DALI	645	125	125	✔	Included
24 105	25.8 W	1375 lm	DALI	1245	125	125	✔	Included
24 106	36.4 W	1830 lm	DALI	1545	125	125	✔	Included





Asymmetrical light distribution

	LED		PSU	A	B	C	AC/DC	Recessed housing
24 107	15.9 W	1285 lm	DALI	645	125	125	✔	Included
24 108	30.8 W	2535 lm	DALI	1245	125	125	✔	Included
24 109	44.6 W	3595 lm	DALI	1545	125	125	✔	Included



House number luminaires
Light Brick – Lichtbaustein®

House number luminaires can be used for orientation both during the day and at night.
Luminaires with weatherproof numbers: as house number luminaires or with symbols and lettering for other purposes. Thanks to their low power consumption, they are particularly suitable for continuous operation.

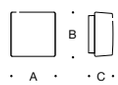
We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	530 · 680 lm
Connected wattage	8.0 · 12.0 W
Size	□ 210 mm
Protection class	IP 44
Cast aluminium and stainless steel Opal glass	
Luminaires for one to two-digit numbers Height 120 mm	
Luminaires with LED module: BEGA AC module · Technical Data Page 11 BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamp · Colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	





House number luminaires · Light Brick – Lichtbaustein®

	LED		PSU	A	B	C
37 700	12.0 W	680 lm	AC module	210	210	120
	LED lamp included		Base			
33 768	1 × 8.0 W	530 lm	E 27	210	210	120

Technical data for BEGA LED lamps can be found on Page 564.



House number luminaires
with integral twilight switch

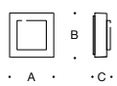
These house number luminaires can also be used for orientation both during the day and at night. Striking and robust luminaires with a built-in twilight switch that are particularly suitable for continuous operation, thanks to their low power consumption.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	115 · 180 lm
Connected wattage	6.5 · 7.9 W
Size	□ 210 · 260 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white	
Luminaires for one to three-digit numbers 33 787 for 1 to 2 numbers · H = 75 mm 33 788 for 1 to 2 numbers · H = 120 mm or 3 numbers · H = 75 mm	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





House number luminaires **with twilight switch**

	LED		PSU	A	B	C
33 787	6.5 W	115 lm	on/off	210	210	80
33 788	7.9 W	180 lm	on/off	260	260	90



House number luminaires
With optional lower light emission and with twilight switch

Energy-efficient for durable and cost-effective illumination:
These wall luminaires set the tone both in terms of lighting technology and design. Supplied with weatherproof numbers for use as house number luminaires or with symbols and lettering for other purposes, these luminaires provide orientation. With the optionally available lower light emission, they additionally illuminate the wall and floor below their mounting location. These luminaires are also available with a twilight switch.

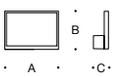
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

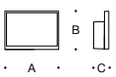
Luminaire luminous flux	75 · 970 lm
Connected wattage	2.5 to 10.0 W
Size	225 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
Luminaires for one to three-digit numbers Height 100 mm	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



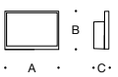




24 455



24 691



House number luminaire

	LED		PSU	A	B	C
24 455	2.5 W	75 lm	on/off	225	160	65

House number luminaire **with twilight switch**

	LED		PSU	A	B	C
24 691	3.4 W	75 lm	on/off	225	160	65

House number luminaires · **Additional lower light emission**

	LED		PSU	A	B	C
24 457	9.3 W	970 lm	on/off	225	160	65
24 456	10.0 W	960 lm	DALI	225	160	65

With twilight switch · Additional lower light emission

	LED		PSU	A	B	C
24 606	10.0 W	970 lm	on/off	225	160	65



Wall luminaires

Unshielded wall luminaires with a square layout. On account of their design, these luminaires are suitable in particular for installation on pillars, wall pillars and the front surfaces of external walls.
Wall luminaires for the illumination of impressive entrances, colonnades and wall surfaces as well as for private houses. Used singly or in groups, these are excellent design elements for a multitude of lighting applications.
Bollards that match the shape and construction of the luminaires in this series can be found on Page 276 – matching light building elements on Page 446.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

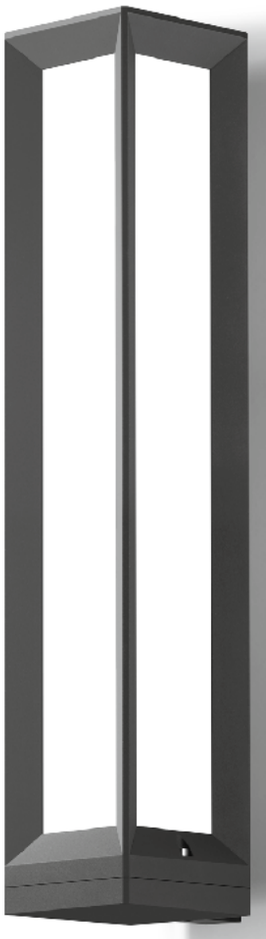
Luminaire data

Luminaire luminous flux	765 to 1810 lm
Connected wattage	11.5 to 21.5 W
Length	450 · 500 · 650 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cover, white	
A clearance of approximately 70% of the total height B is required above the luminaire for maintenance work.	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





Light building elements Page 446
Bollards Page 276

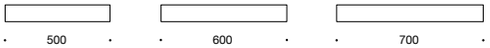




Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
24 504	11.5 W	765 lm	on/off	120	450	160	40	✔
24 505	14.3 W	1205 lm	on/off	140	500	180	90	✔
24 506	21.5 W	1810 lm	on/off	160	650	200	90	✔





Wall luminaires

Unshielded luminaires which, on account of their linear design, are especially suitable for installation on columns, wall pillars and the front surfaces of external walls.
For the illumination of impressive entrances or of colonnades, corridors and large wall surfaces. The small diameter and slender mounting profile also allow for installation in on-site recesses, as well as in and on profiles.
Individually or in groups, they are great design elements for a wide range of lighting applications – both indoors and out.
The luminaires can be installed in any burning position.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1535 to 2895 lm
Connected wattage	19.0 to 27.5 W
Length	500 · 600 · 700 mm
Protection class	IP 65
Aluminium and stainless steel Opal glass	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
24 590	19.0 W	1535 lm	DALI	80	500	115	40	✔
24 591	23.0 W	1945 lm	DALI	80	600	115	40	✔
24 592	27.5 W	2895 lm	DALI	80	700	115	40	✔







Ceiling, wall and pillar luminaires

Compact, unshielded luminaires with hand-blown three-ply opal glass and a luminaire housing made of stainless steel.Timeless classics and stylish design elements that – whether as individual luminaires or in group arrangements – are suitable for a wide range of lighting applications – both indoors and out.

We supply the luminaires with built-in LED modules or in versions with G 9 or E 27 base complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	350 to 750 lm
Connected wattage	4.0 · 7.0 W
Size	Ø 70 · 95 · 130 mm
Protection class	IP 64
Stainless steel Opal glass with thread	
Luminaires with LED module: on/off power supply units BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps · Colour temperature 3000 K Included in the delivery	
20-year availability guarantee for LED modules	



Ceiling, wall and pillar luminaires made of stainless steel

	LED		PSU	A	B	AC/DC
33 150	7.0 W	750 lm	on/off	Ø 130	260	✔
	LED lamp included		Base			
24 653	1 × 4.0 W	350 lm	G 9	Ø 70	160	–
33 112	1 × 7.0 W	580 lm	E 27	Ø 95	185	–

Technical data for BEGA LED lamps can be found on Page 564.





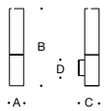
Wall luminaires

Cylindrical wall luminaires with hand-blown three-ply opal glass and a luminaire housing made of stainless steel. Whether as a single luminaire next to a door or arranged in groups on pillar or walls, these classic luminaires suit a wide range of lighting situations – both indoors and out.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	300 lm
Connected wattage	2.7 W
Size	Ø 70 mm
Protection class	IP 44
Stainless steel Opal glass with thread	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
20-year availability guarantee for LED modules	



Wall luminaire made of stainless steel

	LED		PSU	A	B	C	D	AC/DC
44 009	2.7 W	300 lm	on/off	70	375	100	Ø 75	✔



Wall luminaires

Wall luminaires which are shielded upwards, with housings made of cast aluminium and glass elements made of hand-blown, three-ply opal glass. Luminaires with a pleasantly soft light for a high degree of visual comfort.
Individually or in groups, they are timeless design elements for a wide range of lighting applications – both indoors and out.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	180 to 740 lm
Connected wattage	7.0 to 16.0 W
Size	Ø 220 · 270 mm
Protection class	IP 44
Cast aluminium, aluminium and stainless steel Opal glass	
Luminaires with LED module: BEGA AC module · Technical Data Page 11 BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps · Colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number White – article number + **W**	
20-year availability guarantee for LED modules	







Wall luminaires

	LED		PSU	A	B	C
24 023	8.5 W	270 lm	AC module	220	210	130
24 024	16.0 W	740 lm	AC module	270	260	155
	LED lamp included		Base			
33 047	1 × 7.0 W	180 lm	E 27	220	210	130
33 147	1 × 12.0 W	540 lm	E 27	270	260	155

Technical data for BEGA LED lamps can be found on Page 564.



Wall luminaires
Light emission on two sides

Wall luminaires with a shielded light source and light emission on two sides. Luminaires in which the installation surface also serves as the reflection surface for the light emitted upwards and downwards. The direct light and reflected light from the luminaires creates a glare-free lighting atmosphere with pleasant visual comfort. Luminaires for many applications around the house and in public areas.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

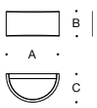
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	255 to 890 lm
Connected wattage	4.9 to 14.2 W
Length	250 · 350 mm
Protection class	IP 65
Aluminium and stainless steel Crystal glass, inside white	
Luminaires with LED module: BEGA Ultimate Driver® on/off or DALI-controllable BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







Wall luminaires

	LED		PSU	A	B	C	AC/DC
33 334	4.9 W	255 lm	on/off	250	115	135	✔
33 344	14.2 W	890 lm	DALI	350	140	185	✔
	LED lamp included		Base				
33 335	1×7.0 W	310 lm	E 27	250	115	135	—
33 345	2×7.0 W	670 lm	E 27	350	140	185	—

Technical data for BEGA LED lamps can be found on Page 564.



Wall luminaires
Light emission on two sides

Wall luminaires with shallow installation depth, a shielded light source and light emission on two sides. Luminaires in which the installation surface also serves as the reflection surface for the light emitted upwards and downwards.
Our LED technology allows us to design luminaires with compact dimensions and slim formats. These are luminaires with precise housings made of cast aluminium with flush integrated glass elements.
The direct light and the reflected light of the luminaires create a glare-free lighting atmosphere with pleasant visual comfort. Luminaires for many applications around the house and in public areas.

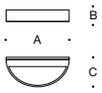
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	295 · 510 lm
Connected wattage	4.9 · 6.8 W
Length	200 · 300 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	







Wall luminaires

	LED		PSU	A	B	C	AC/DC
24 469	4.9 W	295 lm	on/off	200	55	120	✔
24 470	6.8 W	510 lm	on/off	300	55	140	✔



Wall luminaires
Light emission on one or two sides

Wall luminaires with shallow installation depth and a shielded light source.
Luminaires with light emission on one or two sides, where the installation surface is also a reflection surface for the light emitted.
Our LED technology allows us to design luminaires with compact dimensions and slim formats.
These are luminaires with precise housings made of cast aluminium with flush integrated glass elements.
The direct light and the reflected light of the luminaires create a glare-free lighting atmosphere with pleasant visual comfort.
Luminaires for many applications around the house and in public areas.

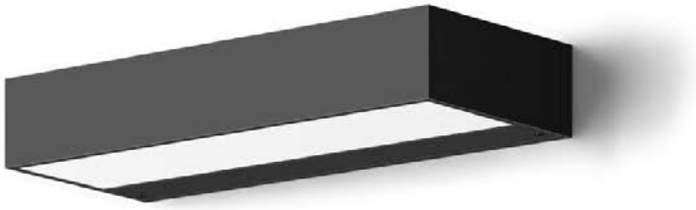
The luminaires can be mounted in any burning position.

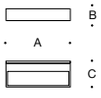
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	230 to 515 lm
Connected wattage	4.9 · 6.8 W
Length	200 · 300 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	







Light emission **on one side**

	LED		PSU	A	B	C	AC/DC
24 471	4.9 W	230 lm	on/off	200	55	120	✔
24 472	6.8 W	425 lm	on/off	300	55	120	✔

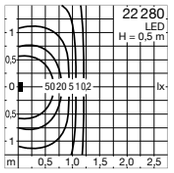
Light emission **on two sides**

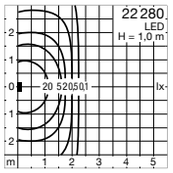
	LED		PSU	A	B	C	AC/DC
24 473	4.9 W	310 lm	on/off	200	55	120	✔
24 474	6.8 W	515 lm	on/off	300	55	120	✔

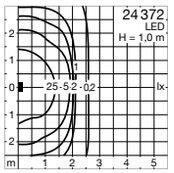

On one side

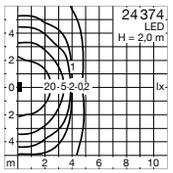

On two sides

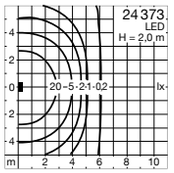






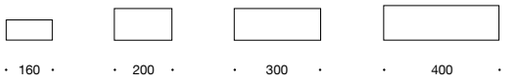






Luminaire data

Luminaire luminous flux	175 to 1805 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	2.7 to 21.2 W
Length	160 · 200 · 300 · 400 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
The luminaires must be mounted with the light emission directed downwards.	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



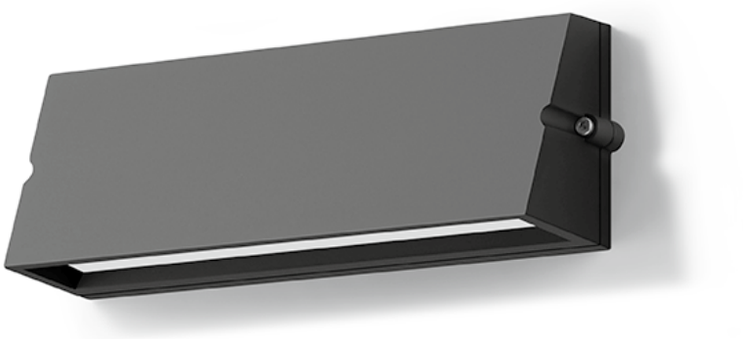
Wall luminaires
Directed light

Compact luminaires in four sizes.
Wall luminaires with light directed downwards, suitable for different installation heights. These are robust luminaires with a small overhang.
Installed at a low height, they are also suitable for illuminating potential hazards, such as steps in public and private areas.
Luminaires for indoors and outdoors which make important areas visible in the dark or at low levels of illumination.

The luminaires must be mounted with the light emission directed downwards.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

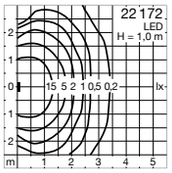


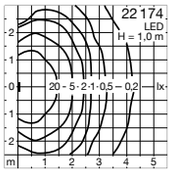


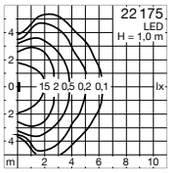
Wall luminaires

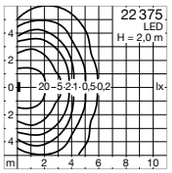
	LED		PSU	A	B	C	AC/DC
22 280	2.7 W	175 lm	on/off	160	70	55	✔
24 372	7.2 W	505 lm	on/off	200	110	85	✔
24 374	15.2 W	1075 lm	DALI	300	110	85	✔
24 373	21.2 W	1805 lm	DALI	400	120	100	✔

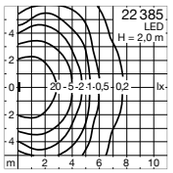


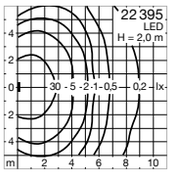












Wall luminaires
Directed light

Compact and robust LED luminaires in three sizes.
The luminaires in this series are available in one size and with two different light outputs:

- As location luminaires for areas and situations with low ambient brightness, to render important surfaces and areas visible and to highlight potential hazards
- As wall luminaires for areas and situations that require a higher degree of illuminance, e.g. where ambient brightness is high

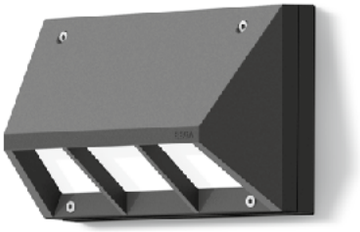
Luminaires for different installation heights and a wide range of applications – both indoors and out. Given their small overhang, they are also suitable for low installation heights in public areas.

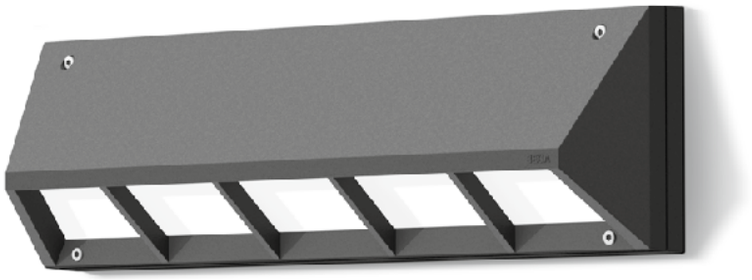
The luminaires must be mounted with the light emission directed downwards.

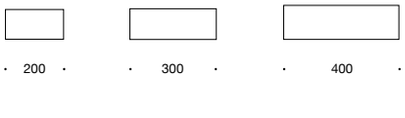
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

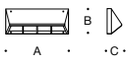
Luminaire luminous flux	160 to 1530 lm
Connected wattage	2.8 to 21.2 W
Length	200 · 300 · 400 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	











Location luminaires

	LED		PSU	A	B	C	AC/DC
22 172	2.8 W	160 lm	on/off	200	120	75	✔
22 174	5.0 W	335 lm	on/off	300	120	75	✔
22 175	7.0 W	535 lm	on/off	400	120	75	✔

Wall luminaires

	LED		PSU	A	B	C	AC/DC
22 375	7.2 W	405 lm	on/off	200	120	75	✔
22 385	15.2 W	940 lm	DALI	300	120	75	✔
22 395	21.2 W	1530 lm	DALI	400	120	75	✔



Wall luminaires
Directed light

Compact luminaires in two housing lengths and with two different light outputs. Luminaires with shallow overhang for different installation heights.
As single luminaires with a low mounting height, they can be used for marking danger areas, or in rows for illuminating corridors and passageways – indoors and outdoors.
Installed at greater mounting heights, they can be used as wall luminaires next to house entrances, as well as for illuminating smaller wall surfaces.

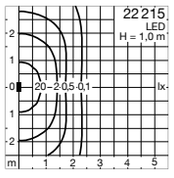
The luminaires must be mounted with the light emission directed downwards.

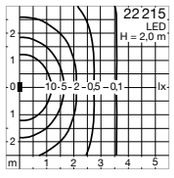
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

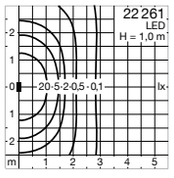
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

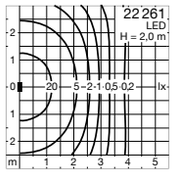
Luminaire data

Luminaire luminous flux	170 · 360 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	2.7 · 5.3 W
Length	90 · 175 mm
Protection class	IP 64
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







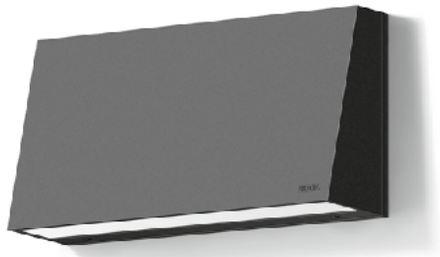














Wall luminaires

	LED		PSU	A	B	C	AC/DC
22 215	2.7 W	170 lm	on/off	90	95	60	✔
22 261	5.3 W	360 lm	on/off	175	95	60	✔





Wall luminaires
Directed light

Shielded wall luminaires with directed light which, on account of their compact dimensions, are particularly suitable for installation on pillars and the front surfaces of external walls.
Luminaires for different installation heights and many different uses in private and public areas. As single luminaires with a low mounting height, they can be used for marking danger areas – in rows for illuminating corridors and passageways.

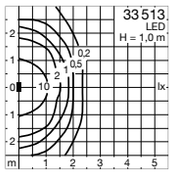
The luminaires must be mounted with the light emission directed downwards.

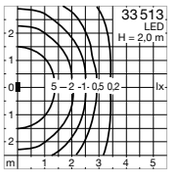
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

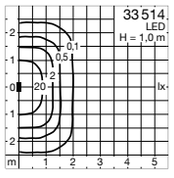
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

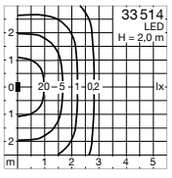
Luminaire data

Luminaire luminous flux	195 · 205 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	2.8 · 4.1 W
Length	140 · 200 mm
Protection class	IP 64
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

















Wall luminaires

	LED		PSU	A	B	C	AC/DC
33 513	2.8 W	195 lm	on/off	55	140	60	✔
33 514	4.1 W	205 lm	on/off	55	200	60	✔





Wall luminaires
Light emission on one or two sides

Compact LED luminaires with light emission on one or two sides.
The design of these luminaires is influenced by the thick-walled partially frosted crystal glass with its impressive light graphics. Whether as individual luminaires or arranged in rows, they provide striking illumination of both public and private buildings.

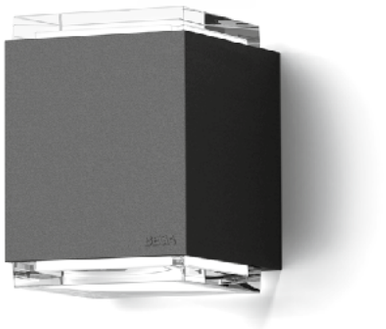
Luminaires with light emission aperture on one side must be mounted with the light emission directed downwards.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

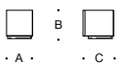
Luminaire data

Luminaire luminous flux	215 to 700 lm
Connected wattage	5.0 to 19.8 W
Size	90 · 120 mm
Protection class	IP 64
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



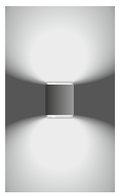


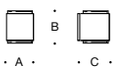




Light emission on **one side**

	LED		PSU	A	B	C	AC/DC
33 405	5.0 W	215 lm	on/off	90	110	110	✔
33 449	10.0 W	420 lm	on/off	120	140	140	✔





Light emission on **two sides**

	LED		PSU	A	B	C	AC/DC
33 505	6.9 W	235 lm	on/off	90	120	110	✔
33 549	19.8 W	700 lm	DALI	120	155	140	✔



Wall luminaires
Directed light

Compact wall luminaires with light emission on one side.
The flush luminaire glass distributes the light evenly over the illuminated surface and the installation surface in a very wide beam. Whether as single luminaires or lined up in rows – they illuminate and accentuate wall surfaces and architectural details around the house.

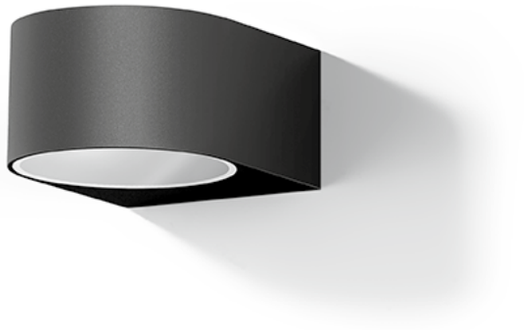
The luminaires can be installed in any burning position.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires when mounted with the light emission directed downwards. The exact data can be found in the luminaire data sheets on our website.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

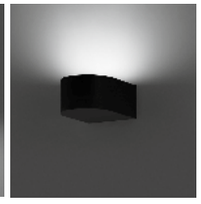
Luminaire luminous flux	365 · 555 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	4.1 · 5.0 W
Size	100 · 140 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





Wall luminaires							
	LED		PSU	A	B	C	AC/DC
33 223	4.1 W	365 lm	on/off	100	60	130	✔
33 224	5.0 W	555 lm	on/off	140	60	185	✔







The luminaires can be installed in any burning position.



Wall luminaires
Four different light emissions

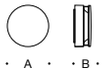
Wall luminaires in various versions that create light accents on wall surfaces. Depending on the ambient brightness, they allow for creative night-time wall and surface illumination.
Luminaires in different sizes that can be mounted in any burning position.
Our LED technology and a light-directing reflector make these compact luminaires, with a small overhang, possible.
Cost-effective luminaires with which a multitude of design variants and numerous light graphics can be realised. For striking wall lighting with low ambient brightness in private areas.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	130 to 1345 lm
Connected wattage	6.9 to 23.3 W
Size	Ø 145 · 190 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Borosilicate glass Reflector surface made of pure aluminium	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	







90° light emission · **15°** light emission

	LED		PSU	A	B	AC/DC
24 048	6.9 W	130 lm	on/off	145	65	✔
24 049	12.5 W	230 lm	on/off	190	80	✔



90° light emission

	LED		PSU	A	B	AC/DC
24 052	6.9 W	140 lm	on/off	145	65	✔
24 055	12.5 W	240 lm	on/off	190	80	✔



180° light emission

	LED		PSU	A	B	AC/DC
24 051	6.9 W	260 lm	on/off	145	65	✔
24 054	12.5 W	465 lm	on/off	190	80	✔



360° light emission

	LED		PSU	A	B	AC/DC
24 050	13.8 W	735 lm	on/off	145	65	✔
24 053	23.3 W	1345 lm	on/off	190	80	✔



Ceiling and wall luminaires
Light emission on one or two sides

Robust wall luminaires with a shielded light source. Optionally available with light emission on one or two sides. Luminaires for which the installation surface also acts as a reflection surface for the light emitted. The direct light and reflected light from the luminaires creates a glare-free lighting atmosphere with pleasant visual comfort. Luminaires for many applications around the house and in public areas.

Luminaires with light emission aperture on one side must be mounted with the light emission directed downwards.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

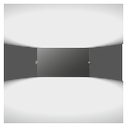
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	100 to 1730 lm
Connected wattage	7.0 to 18.5 W
Length	200 · 300 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
Luminaires with LED module: on/off power supply units BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	



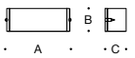
On one side



On two sides







Light emission **on one side**

	LED		PSU	A	B	C	AC/DC
22 359	10.0 W	480 lm	on/off	200	110	100	✔
22 360	18.5 W	1065 lm	on/off	300	110	100	✔
	LED lamp included		Base				
22 396	1 × 7.0 W	100 lm	E 27	200	110	100	—
22 398	2 × 7.0 W	130 lm	E 27	300	110	100	—

Light emission **on two sides**

	LED		PSU	A	B	C	AC/DC
22 363	10.0 W	730 lm	on/off	200	110	100	✔
22 365	18.5 W	1730 lm	on/off	300	110	100	✔
	LED lamp included		Base				
22 397	1 × 7.0 W	160 lm	E 27	200	110	100	—
22 399	2 × 7.0 W	320 lm	E 27	300	110	100	—

Technical data for BEGA LED lamps can be found on Page 564.





Wall luminaires

A series of compact and efficient wall luminaires.
Thick-walled crystal glass with impressive ice edges is combined with a cast aluminium housing to create a formal unity. These lighting components appear contemporary, streamlined and perfectly proportioned, both by day and by night. Cost-effective and aesthetic structural details for good light.

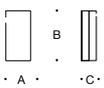
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	300 to 1185 lm
Connected wattage	4.9 to 13.3 W
Size	120 · 170 · 240 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

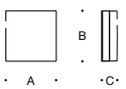






Wall luminaire · **Rectangular**

	LED		PSU	A	B	C	AC/DC
33 604	4.9 W	300 lm	on/off	120	240	75	✔



Wall luminaires · **Square**

	LED		PSU	A	B	C	AC/DC
33 601	6.7 W	640 lm	on/off	170	170	70	✔
33 602	13.3 W	1185 lm	DALI	240	240	75	✔



Wall luminaires
Shielded on one side

Wall luminaires shielded on one side and perfectly adapted to our LED technology. Luminaires with a small overhang and clear-cut lines. Contemporary in design and economical in operation, they are durable and aesthetically pleasing structural details, designed for effective lighting.
Wall luminaires which, whether arranged individually or in groups, can be used for numerous lighting applications around the home and in other private or public areas. You can find luminaires with the same dimensions but shielded on two sides on Page 180.

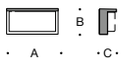
The luminaires in this series are also available with weatherproof numbers, symbols or lettering on request.
This allows house numbers and notices to be read easily, even from great distances – by day and by night.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	300 to 1015 lm
Connected wattage	4.0 to 13.5 W
Size	180 · 240 · 280 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





Wall luminaires · **Rectangular**

	LED		PSU	A	B	C	AC/DC
24 338	4.0 W	300 lm	on/off	180	100	70	✔
24 339	6.8 W	610 lm	on/off	240	120	85	✔
24 340	9.8 W	910 lm	on/off	280	130	85	✔

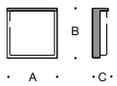






Wall luminaires · **Rectangular**

	LED		PSU	A	B	C	AC/DC
24 335	4.0 W	345 lm	on/off	100	180	70	✔
24 336	6.8 W	680 lm	on/off	120	240	85	✔
24 337	9.8 W	1010 lm	on/off	130	280	85	✔



Wall luminaires · **Square**

	LED		PSU	A	B	C	AC/DC
24 132	6.7 W	575 lm	on/off	180	180	70	✔
24 070	13.5 W	1015 lm	on/off	240	240	85	✔



Wall luminaires
Shielded on two sides

Wall luminaires shielded on two sides and perfectly adapted to our LED technology. Luminaires with a small overhang and clear-cut lines.
Contemporary in design and economical in operation, they are durable and aesthetically pleasing structural details, designed for effective lighting. Wall luminaires which, whether arranged individually or in groups, can be used for numerous lighting applications around the home and in other private or public areas. The luminaires in this series can be shielded at the top and bottom or to the right and left, depending on how they are installed.

You can find luminaires with the same dimensions but shielded on one side on Page 178.

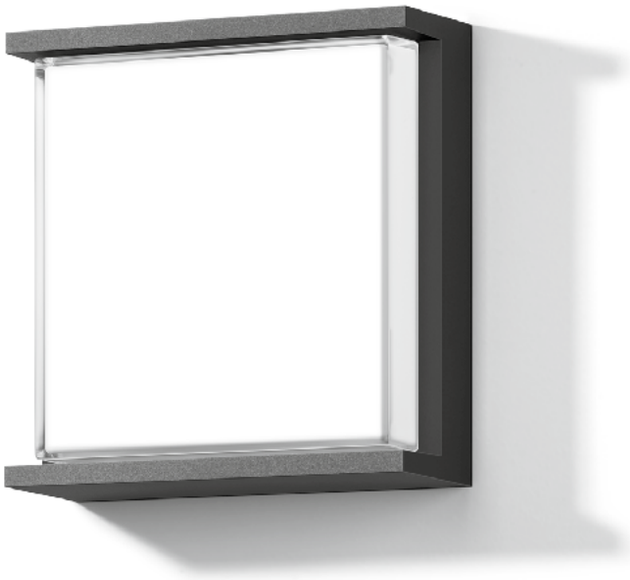
The luminaires in this series are also available with weatherproof numbers, symbols or lettering on request.
For improved visibility of house numbers and signs from greater distances – by day and by night.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	325 to 965 lm
Connected wattage	4.0 to 13.5 W
Size	180 · 240 · 280 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

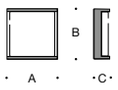






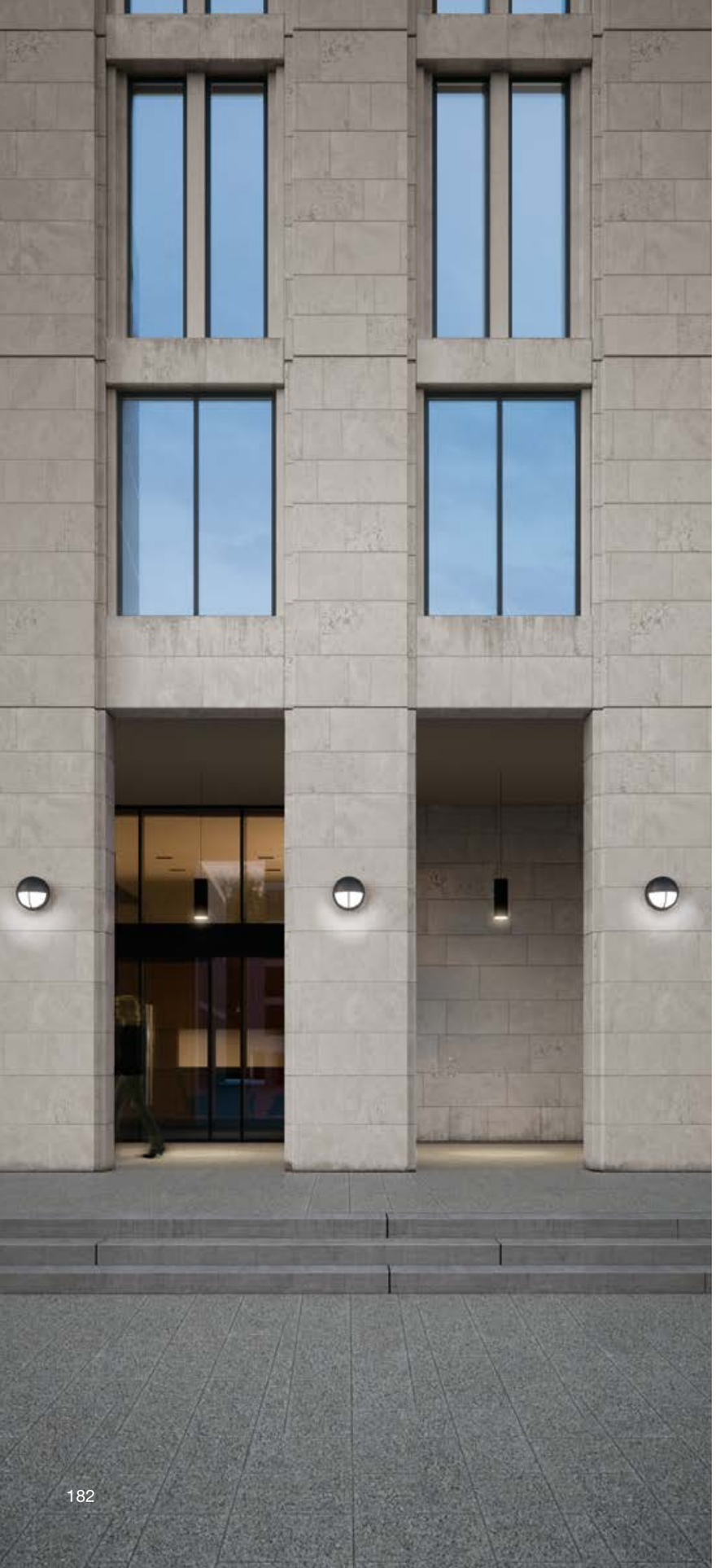
Wall luminaires · **Rectangular**

	LED		PSU	A	B	C	AC/DC
24 341	4.0 W	325 lm	on/off	100	180	70	✔
24 342	6.8 W	640 lm	on/off	120	240	85	✔
24 343	9.8 W	965 lm	on/off	130	280	85	✔



Wall luminaires · **Square**

	LED		PSU	A	B	C	AC/DC
24 133	6.7 W	540 lm	on/off	180	180	70	✔
24 071	13.5 W	935 lm	on/off	240	240	85	✔



Impact-resistant wall luminaires
With optional PIR motion and light sensor

Characteristic of a whole series of luminaires in the BEGA range of products – and meanwhile for many luminaires by other manufacturers all over the world. Luminaires that have become the absolute standard for outdoor luminaires.
We have been producing this series, which received its first international design award back in 1980, for more than 40 years, while continually improving its technical features. The design of the luminaires has remained practically unchanged to this day.
We have developed these luminaires further and perfectly adapted their structure and design to our LED technology. We have taken a restrained approach to updating their design in order to preserve their status as absolute classics.

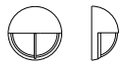
Luminaires in this series, with **passive infrared motion and light sensor,** react to thermal radiation in the dark, switching on when people or animals are detected in the vicinity of the luminaire. They are easily and conveniently parametrised via Bluetooth® and the free BEGA Tool app.
In this way, individual light levels can be easily and conveniently defined for specific modes.
Please note:
The luminaires with DALI power supply unit and sensor are designed for operation in an existing DALI system. If the luminaires are not to be operated in a DALI system, a DALI power supply 71 094 or 70 866 is required. Options for changing the default settings can be found in the instructions for use of the luminaires.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

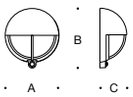
Luminaire luminous flux	275 to 645 lm
Connected wattage	5.0 to 10.5 W
Size	Ø 200 · 260 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
on/off or DALI-controllable power supply units BEGA Thermal Management®	
With optional PIR motion and light sensor	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	





Wall luminaires

	LED		PSU	A	B	AC/DC
24 344	5.0 W	275 lm	on/off	200	100	✔
24 346	10.5 W	645 lm	DALI	260	135	✔



Wall luminaires · **With PIR motion and light sensor**

	LED		PSU	A	B	C	AC/DC
24 572	8.8 W	605 lm	on/off	260	290	135	✔
24 347	10.5 W	645 lm	DALI	260	290	135	✔

*Light level adjustable with BEGA Tool app



Luminaires with passive infrared motion and light sensor





Impact-resistant wall luminaires
and ceiling luminaires
Unshielded or shielded light

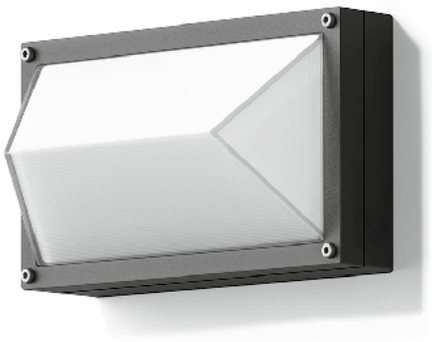
Impact-resistant luminaires made of cast aluminium and crystal glass.
Optionally unshielded or shielded upwards.
A variety of sizes and light outputs makes these luminaires extremely versatile.
Its range of possible applications is also extended by its high protection class.
Individually or in groups, they are great design elements for a wide range of lighting applications – both indoors and out.

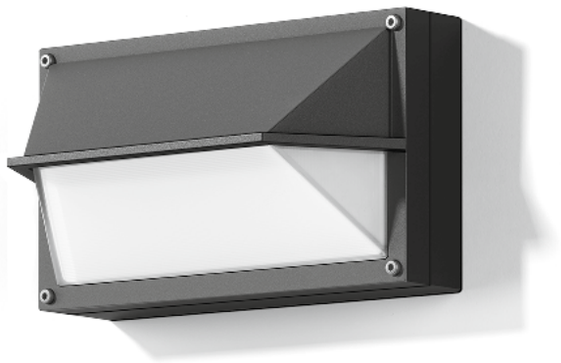
We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

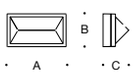
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	190 to 950 lm
Connected wattage	5.0 to 14.0 W
Size	210 · 280 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Crystal glass, inside white	
Luminaires with LED module: BEGA Ultimate Driver® · on/off BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

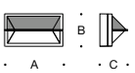






Wall and ceiling luminaires · **Unshielded** light

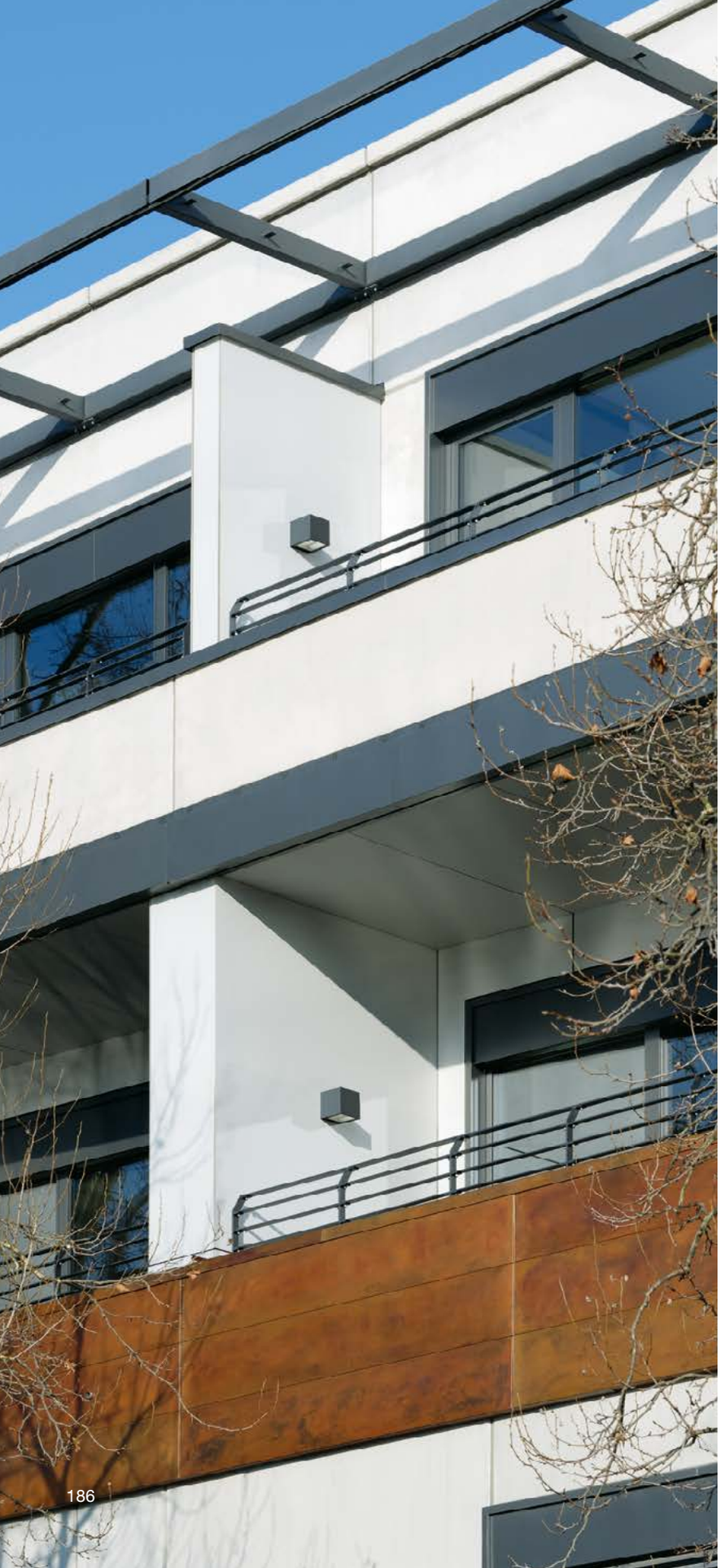
	LED		PSU	A	B	C	AC/DC
24 598	5.0 W	410 lm	on/off	210	120	100	✔
24 599	6.9 W	440 lm	on/off	280	160	125	✔
	LED lamp included		Base				
22 601	1×7.0 W	425 lm	E 27	210	120	100	—
22 603	2×7.0 W	950 lm	E 27	280	160	125	—



Wall luminaires · **Shielded** light

	LED		PSU	A	B	C	AC/DC
22 649	5.0 W	255 lm	on/off	210	120	110	✔
22 656	6.9 W	340 lm	on/off	280	160	135	✔
	LED lamp included		Base				
22 611	1×7.0 W	190 lm	E 27	210	120	110	—
22 613	2×7.0 W	430 lm	E 27	280	160	135	—

Technical data for BEGA LED lamps can be found on Page 564.





On one side


On two sides

Wall washers
Light emission on one or two sides

Compact wall washers with shielded light source that emit their light in either one or two directions.
A precise reflector inside the housing directs the light of the LED onto the mounting surface without any glare at all. The direct and reflected light of the luminaires creates a pleasant lighting atmosphere with high visual comfort. Luminaires for many applications around the house and in public areas.

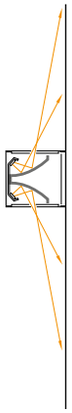
Luminaire 24 370 must be mounted with the light emission directed downwards.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.



Luminaire data

Luminaire luminous flux	420 to 2040 lm
Connected wattage	10.0 to 37.5 W
Size	120 · 180 mm
24 370 · 24 371 protection class 24 134 · 24 135 protection class	IP 64 IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	





Light emission **on one side**

	LED		PSU	A	B	C	AC/DC
24 370	10.0 W	420 lm	on/off	120	130	140	✔
24 134	18.7 W	1080 lm	DALI	180	180	175	✔

Light emission **on two sides**

	LED		PSU	A	B	C	AC/DC
24 371	19.6 W	805 lm	on/off	120	130	140	✔
24 135	37.5 W	2040 lm	DALI	180	180	175	✔



Wall luminaires
Directed light

Compact, robust wall luminaires with rotationally symmetrical light distribution. Luminaires in different sizes for numerous lighting applications. This luminaire series is ideal for uniformly illuminating areas in front of the installation surface. The smallest variant in this series is particularly suitable for highlighting potential hazards from a low installation height and for orientation lighting.

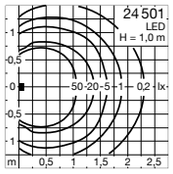
The luminaires must be mounted with the light emission directed downwards.

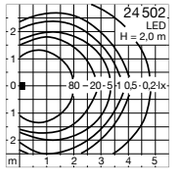
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires.
The exact data can be found in the luminaire data sheets on our website.

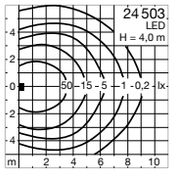
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

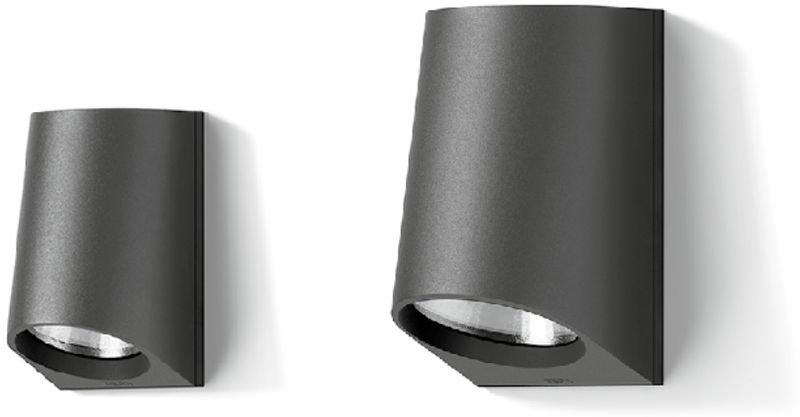
Luminaire data

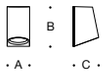
Luminaire luminous flux	340 to 2020 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	5.1 to 24.8 W
Size	130 · 190 · 230 mm
Protection class	IP 64
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	









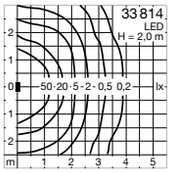


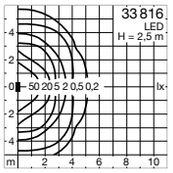
Wall luminaires

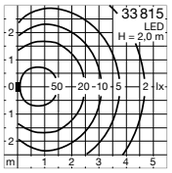
	LED		PSU	A	B	C	AC/DC
24 501	5.1 W	340 lm	on/off	75	130	80	✔
24 502	17.0 W	1215 lm	DALI	110	190	120	✔
24 503	24.8 W	2020 lm	DALI	130	230	150	✔

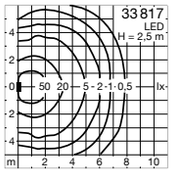












Wall luminaires
Symmetrical or asymmetrical light distribution

Shielded wall luminaires with symmetrical or asymmetrical light distribution, which are particularly suitable for installation on pillars and front surfaces of walls, thanks to their compact dimensions.
With our LED technology, we are continuing the design idea of the previous successful luminaires. Compact, efficient and ideally equipped for long and economical operating times – these luminaires embody the consistent implementation of LED technology.
For different installation heights and many different uses in private and public areas.

The luminaires must be mounted with the light emission directed downwards.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires.
The exact data can be found in the luminaire data sheets on our website.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	625 to 1730 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	9.7 · 16.0 W
Size	190 · 230 mm
Protection class	IP 64

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

DALI-controllable power supply units.

BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules

Light distribution

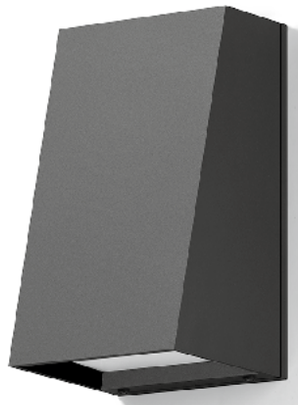




Symmetrical light distribution



Asymmetrical light distribution





Symmetrical light distribution

	LED		PSU	A	B	C	AC/DC
33 814	9.7 W	785 lm	DALI	110	190	110	✔
33 816	16.0 W	1730 lm	DALI	130	230	135	✔

Asymmetrical light distribution

	LED		PSU	A	B	C	AC/DC
33 815	9.7 W	625 lm	DALI	110	190	110	✔
33 817	16.0 W	1390 lm	DALI	130	230	135	✔



Wall luminaires
Symmetrical or asymmetrical light distribution

We have been producing these luminaires for over 30 years now and have continuously improved them technically. They are among the luminaires that define the design of the BEGA range – the inspiration for many luminaires around the world.
We are now continuing the successful design of these compact and efficient wall luminaires with our efficient LED technology.

- With **symmetrical** light distribution, they can be used to illuminate wall surfaces. Here, the mounting surface also acts as a reflection surface.
- Luminaires with **asymmetrical** light distribution primarily illuminate the floor adjacent to the installation surface.

The luminaires must be mounted with the light emission directed downwards.

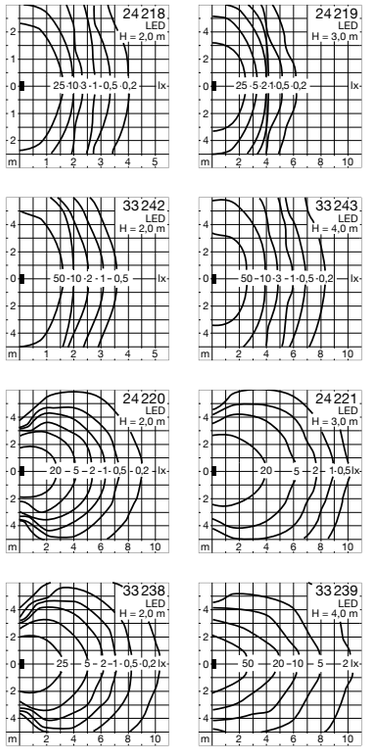
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

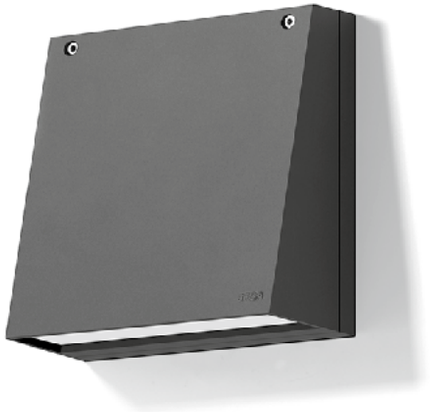
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

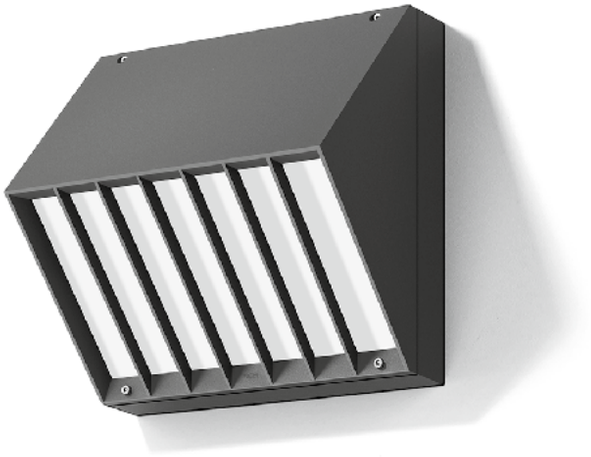
Luminaire data

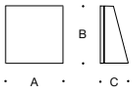
Luminaire luminous flux	750 to 4235 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	11.0 to 34.0 W
Size	□ 200 · 280 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	
Light distribution	







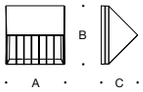






Symmetrical light distribution

	LED		PSU	A	B	C	AC/DC
24 218	11.0 W	940 lm	on/off	200	200	95	✔
24 219	15.8 W	1760 lm	on/off	280	280	135	✔
33 242	20.0 W	2445 lm	DALI	200	200	95	✔
33 243	34.0 W	4235 lm	DALI	280	280	135	✔



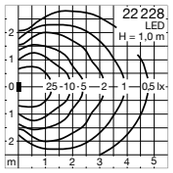


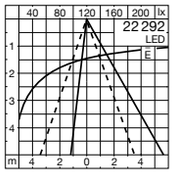
Asymmetrical light distribution

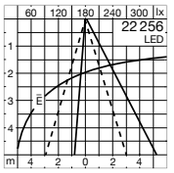
	LED		PSU	A	B	C	AC/DC
24 220	11.0 W	750 lm	on/off	200	200	135	✔
24 221	15.8 W	1465 lm	on/off	280	280	175	✔
33 238	20.0 W	1785 lm	DALI	200	200	135	✔
33 239	34.0 W	3685 lm	DALI	280	280	175	✔

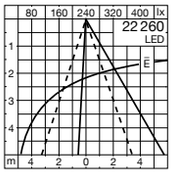
Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting











Wall luminaires
Directed light
Asymmetrical light distribution

Compact and robust wall luminaires for illuminating ground surfaces in front of walls and buildings. Luminaires in different sizes and light outputs for a host of lighting applications.
Luminaire 22 228 from this series is installed at low heights to mark danger points such as steps or to provide guiding illumination along paths.
These are durable construction details that prove convincing thanks to careful and responsible design as well as maximum lighting and structural quality.

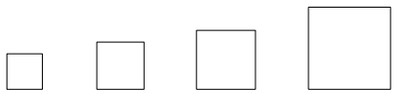
The luminaires must be mounted with the light emission directed downwards.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	165 to 3555 lm
Connected wattage	4.0 to 34.0 W
Size	☐ 120 · 160 · 200 · 280 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	
Light distribution	

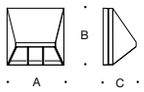














Wall luminaires

	LED		PSU	A	B	C	AC/DC
22 228	4.0 W	165 lm	on/off	120	120	70	✔
22 292	9.4 W	625 lm	on/off	160	160	95	✔
22 256	20.0 W	1750 lm	DALI	200	200	115	✔
22 260	34.0 W	3555 lm	DALI	280	280	150	✔

Emergency lighting luminaires with single emergency lighting battery from this series can be found at: bega.com/emergency-lighting



Wall luminaires · Surface washers
Symmetrical or asymmetrical light distribution

Compact and efficient wall washers, available with either symmetrical or asymmetrical light distribution.

- The luminaires with **symmetrical** light distribution are used to illuminate wall surfaces. Here, the mounting surface also acts as a reflection surface.
- Depending on the beam direction, the luminaires with **asymmetrical** light distribution primarily illuminate the surfaces bordering the installation surface, such as ceilings, vaults, canopies, cantilever plates or ground surfaces.

Flush safety glass which reduces the accumulation of dirt and water are the norm for these luminaires. These are durable construction details that prove convincing thanks to maximum standards of lighting and structural quality.

The luminaires can be installed in any burning position.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1725 to 3985 lm
Connected wattage	19.2 · 37.0 W
Length	260 · 320 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

DALI-controllable power supply units.

BEGA Thermal Management®

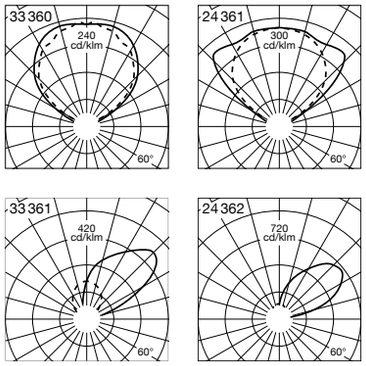
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

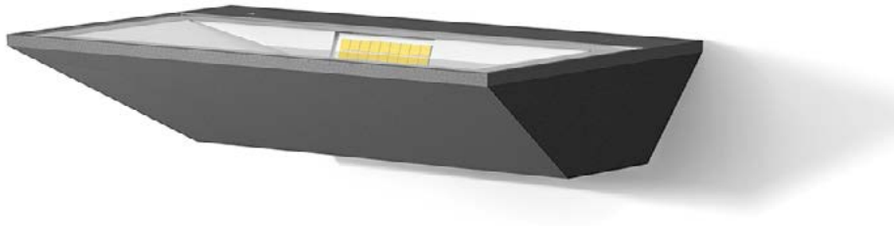
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**
White – article number + **W**

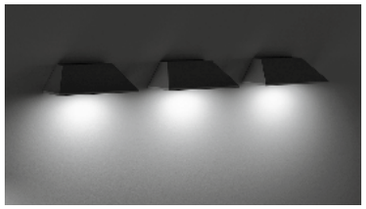
20-year availability guarantee for LED modules

Light distribution

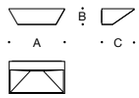








The luminaires can be installed with light emission either upwards or downwards.





Symmetrical light distribution

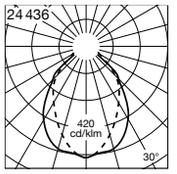
	LED		PSU	A	B	C	AC/DC
33 360	19.2 W	1890 lm	DALI	260	75	155	✔
24 361	37.0 W	3985 lm	DALI	320	105	190	✔

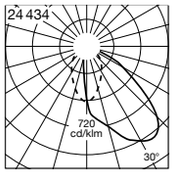


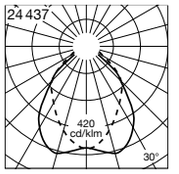
Asymmetrical light distribution

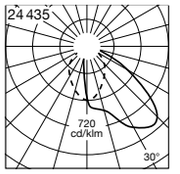
	LED		PSU	A	B	C	AC/DC
33 361	19.2 W	1725 lm	DALI	260	75	155	✔
24 362	37.0 W	3725 lm	DALI	320	105	190	✔











Wall luminaires · Surface washers
Symmetrical or asymmetrical light distribution

Compact and efficient wall washers, available with either symmetrical or asymmetrical light distribution.

- The luminaires with **symmetrical** light distribution are used to illuminate large wall surfaces, whereby the mounting surface also acts as a reflection surface.
- Depending on the burning position, the luminaires with **asymmetrical** light distribution primarily illuminate the surfaces bordering the installation surface, such as ceilings, vaults, canopies, cantilever plates or ground surfaces.

Flush safety glass prevents dirt and water from accumulating on the luminaires. These are durable construction details that prove convincing thanks to careful and responsible design as well as maximum lighting and structural quality.

The luminaires can be installed with light emission either upwards or downwards.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2815 to 4880 lm
Connected wattage	20.5 · 32.5 W
Size	165 · 260 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

DALI-controllable power supply units.

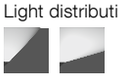
BEGA Thermal Management®

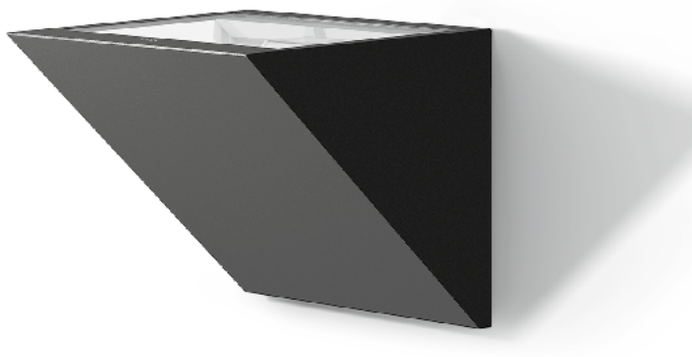
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**
White – article number + **W**

20-year availability guarantee for LED modules

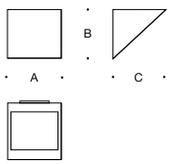
Light distribution







The luminaires can be installed with light emission either upwards or downwards.





Symmetrical light distribution

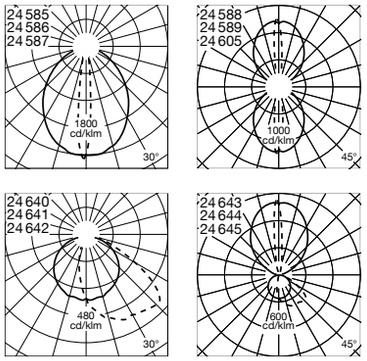
	LED		PSU	A	B	C	AC/DC
24 436	20.5 W	2825 lm	DALI	165	165	180	✔
24 437	32.5 W	4880 lm	DALI	260	215	240	✔



Asymmetrical light distribution

	LED		PSU	A	B	C	AC/DC
24 434	20.5 W	2815 lm	DALI	165	165	180	✔
24 435	32.5 W	4770 lm	DALI	260	215	240	✔





Linear wall luminaires · Surface washers
Light emission on one or two sides
Symmetrical or asymmetrical light distribution

A new luminaire series in three lengths and with light emission on one or two sides. Wall luminaires with a high protection class for use both indoors and out.
Whether arranged individually, in rows or in groups, these are illuminating design elements that make interesting lighting concepts possible.

The luminaires can be used independent of the burning position.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1400 to 8435 lm
Connected wattage	26.0 to 104.0 W
Length	630 · 930 · 1230 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

DALI-controllable power supply units.

BEGA Thermal Management®

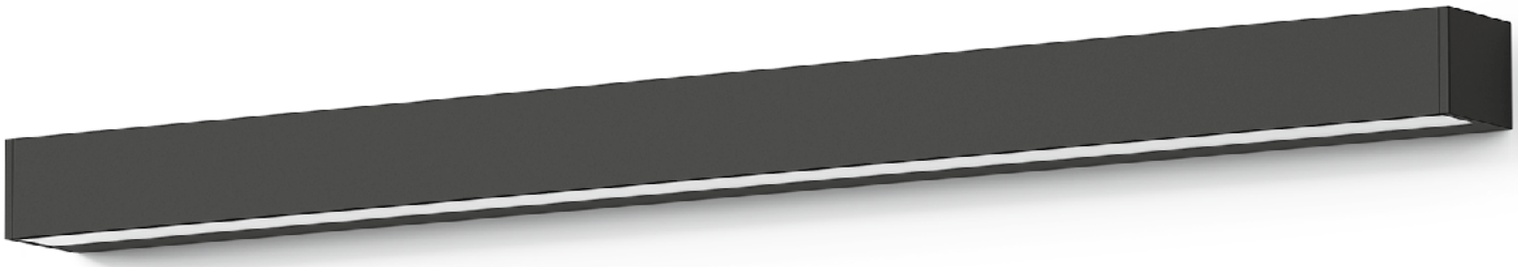
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

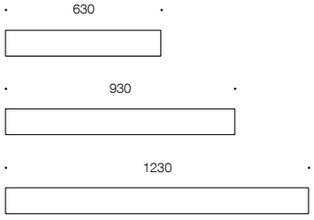
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules

Light distribution









Wall washers · Light emission **on one side**



Symmetrical	LED		PSU	A	B	C	AC/DC
24 585	26.0 W	1400 lm	DALI	630	105	110	✔
24 586	39.0 W	2085 lm	DALI	930	105	110	✔
24 587	52.0 W	2785 lm	DALI	1230	105	110	✔



Asymmetrical	LED		PSU	A	B	C	AC/DC
24 640	26.0 W	2825 lm	DALI	630	105	110	✔
24 641	39.0 W	4235 lm	DALI	930	105	110	✔
24 642	52.0 W	5650 lm	DALI	1230	105	110	✔



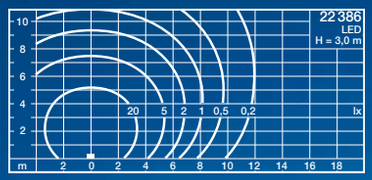
Wall washers · Light emission **on two sides · Symmetrical upwards**

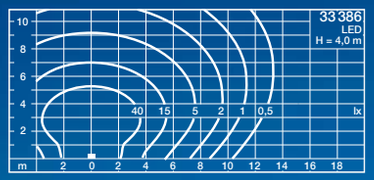


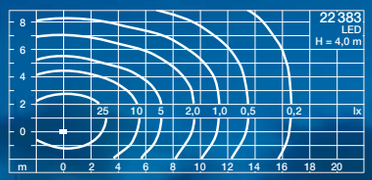
Symmetrical	LED		PSU	A	B	C	AC/DC
24 588	52.0 W	2800 lm	DALI	630	105	110	✔
24 589	78.0 W	4170 lm	DALI	930	105	110	✔
24 605	104.0 W	5570 lm	DALI	1230	105	110	✔

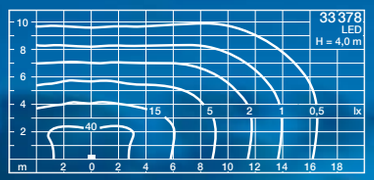


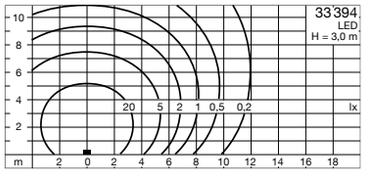
Asymmetrical	LED		PSU	A	B	C	AC/DC
24 643	52.0 W	4225 lm	DALI	630	105	110	✔
24 644	78.0 W	6320 lm	DALI	930	105	110	✔
24 645	104.0 W	8435 lm	DALI	1230	105	110	✔

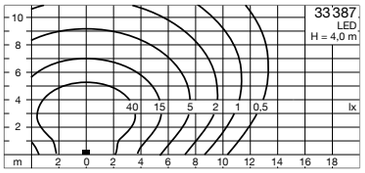


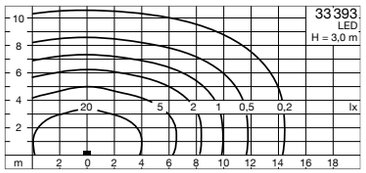


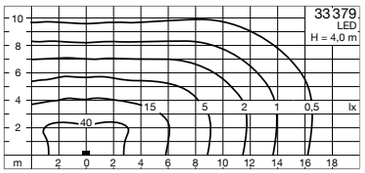














Wall luminaires · Surface washers

Light emission on one or two sides

Symmetrical, asymmetrical or flat beam light distribution

Luminaires with a wide range of applications in façade and area lighting. Available with light emission on one or two sides.
The wall luminaires with light emission on two sides always have one light emission with symmetrical light distribution and a second light emission with symmetrical, asymmetrical or flat beam light distribution.

- The **symmetrical** light distribution is used to illuminate façade and wall surfaces, whereby the mounting surface also acts as a reflection surface.
- The **asymmetrical** light distribution illuminates the ground surfaces in front of walls and façades. Here, the main focus is on the spatial illumination of the ground surfaces.
- The **flat beam** light distribution is used to illuminate ground surfaces in front of walls and façades. Here, the main focus is on the flat beam illumination of the surfaces near the building.

Economical luminaires with high luminous efficiency, low connected wattage and a long LED service life.

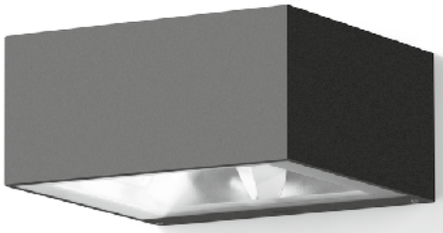
The luminaires can be installed in any burning position. This makes it possible to illuminate surfaces adjacent to the installation surface, such as ceilings, vaults, canopies and cantilever plates.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2445 to 9905 lm
Connected wattage	17.8 to 66.0 W
Size	240 · 250 · 320 · 330 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
Luminaires with light emission on one side DALI-controllable power supply units. Luminaires with light emission on two sides 2 power supply units individually DALI-controllable	
BEGA Thermal Management®	
Symmetrical, asymmetrical or flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	







Light emission **on one side**

	Symmetrical	LED		PSU	A	B	C	AC/DC
	**22 392**	19.8 W	3030 lm	DALI	240	105	200	✔
	33 388	31.5 W	4910 lm	DALI	320	125	220	✔
	**Asymmetrical**	LED		PSU	A	B	C	AC/DC
	22 386	19.8 W	2450 lm	DALI	240	105	200	✔
	33 386	31.5 W	4650 lm	DALI	320	125	220	✔
	**Flat beam**	LED		PSU	A	B	C	AC/DC
	22 383	17.8 W	2445 lm	DALI	240	105	200	✔
	33 378	30.6 W	3675 lm	DALI	320	125	220	✔



Light emission **on two sides · Symmetrical light distribution upwards**

	Symmetrical	LED		PSU	A	B	C	AC/DC
	**33 395**	39.6 W	5785 lm	DALI	250	160	200	✔
	33 389	66.0 W	9905 lm	DALI	330	180	220	✔
	**Asymmetrical**	LED		PSU	A	B	C	AC/DC
	33 394	39.6 W	5040 lm	DALI	250	160	200	✔
	33 387	66.0 W	9905 lm	DALI	330	180	220	✔
	**Flat beam**	LED		PSU	A	B	C	AC/DC
	33 393	38.0 W	4860 lm	DALI	250	160	200	✔
	33 379	63.4 W	9145 lm	DALI	330	180	220	✔



Wall luminaires
Light emission on one or two sides

The wall luminaires in this series offer a wide range of design options with different sizes and light outputs. Whether as single luminaires or as a row of luminaires: They are great design elements for illuminating wall and façade surfaces.
The low connected wattage and long service life of the luminaires make them economical devices with very long maintenance intervals.

Luminaires with light emission aperture on one side and luminaires with very narrow beam light emission upwards must be mounted with the narrow beam light emission directed downwards.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	155 to 3245 lm
Connected wattage	2.7 to 35.5 W
Size	75 · 110 · 130 · 150 mm
Protection class	IP 64

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

Very narrow beam luminaires with optical silicone lens

on/off or DALI-controllable power supply units

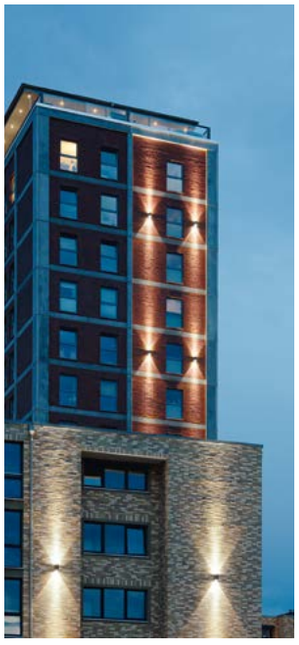
BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

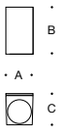
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution







Narrow beam downwards



	LED		PSU	β	A	B	C	AC/DC
33 579	2.7 W	155 lm	on/off	23°	75	130	95	✔
33 580	6.3 W	315 lm	DALI	24°	110	190	125	✔
33 581	10.3 W	740 lm	DALI	20°	130	230	150	✔
24 582	19.0 W	1605 lm	DALI	16°	150	270	175	✔

Narrow beam upwards and downwards



	LED		PSU	β	A	B	C	AC/DC
33 590	4.9 W	295 lm	on/off	23°	75	130	95	✔
33 591	10.5 W	600 lm	DALI	24°	110	190	125	✔
33 592	18.0 W	1450 lm	DALI	20°	130	230	150	✔
24 593	35.5 W	3245 lm	DALI	16°	150	270	175	✔

Very narrow beam upwards · **Narrow beam** downwards



	LED		PSU	β	A	B	C	AC/DC
24 594	4.9 W	275 lm	on/off	13/20°	75	130	95	✔
24 595	10.5 W	435 lm	DALI	12/16°	110	190	125	✔
24 596	18.0 W	1040 lm	DALI	9/20°	130	230	150	✔
24 597	35.5 W	2090 lm	DALI	9/16°	150	270	175	✔

β = Half beam angle



Wall luminaires
Light emission on one or two sides

Wall luminaires with rotationally symmetrical narrow beam light distribution optionally with light emission on one or two sides. These luminaires are also ideal for installation on narrow structural elements thanks to their compact size. Three sizes with different light outputs offer a multitude of design options both indoors and out. Specially processed safety glass prevents dirt and water from accumulating on the luminaires. These are durable lighting tools that impress through careful and responsible attention to detail and maximum lighting and technical quality.

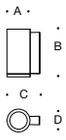
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	165 to 3300 lm
Connected wattage	2.7 to 40.0 W
Size	60 · 110 · 150 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	



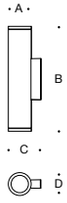






Narrow beam directed upwards **or** downwards

	LED		PSU	β	A	B	C	D	AC/DC
66 649	2.7 W	165 lm	on/off	20°	60	155	105	40	✔
66 655	10.0 W	770 lm	DALI	21°	110	230	160	40	✔
24 034	14.0 W	1105 lm	DALI	17°	110	230	160	40	✔
66 698	15.0 W	1250 lm	DALI	17°	150	280	200	40	✔
24 035	20.5 W	1725 lm	DALI	14°	150	280	200	40	✔





Narrow beam upwards **and** downwards

	LED		PSU	β	A	B	C	D	AC/DC
66 512	4.9 W	295 lm	on/off	20°	60	275	105	40	✔
66 516	19.0 W	1525 lm	DALI	21°	110	500	160	40	✔
24 008	27.2 W	2215 lm	DALI	17°	110	500	160	40	✔
66 519	26.6 W	2445 lm	DALI	17°	150	550	200	40	✔
24 009	40.0 W	3300 lm	DALI	14°	150	550	200	40	✔

β = Half beam angle





Wall luminaires
Light emission on two sides

A new series of compact wall luminaires for the illumination of walls and façades. Optionally available in a cylindrical or square design – with identical lighting properties.
The luminaires are characterised by their striking rotationally symmetrical, wide beam and narrow beam light distribution. Three sizes with different light outputs offer a multitude of design options – both indoors and out.
Flush safety glass prevents dirt and water from accumulating on the luminaires. These are durable lighting tools that impress through careful and responsible attention to detail and maximum lighting and technical quality.

The luminaires can be installed in any burning position.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	370 to 4200 lm
Connected wattage	9.0 to 39.0 W
Size	Ø · □ 80 · 115 · 145 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector surface made of pure aluminium

on/off or DALI-controllable power supply units

BEGA Thermal Management®

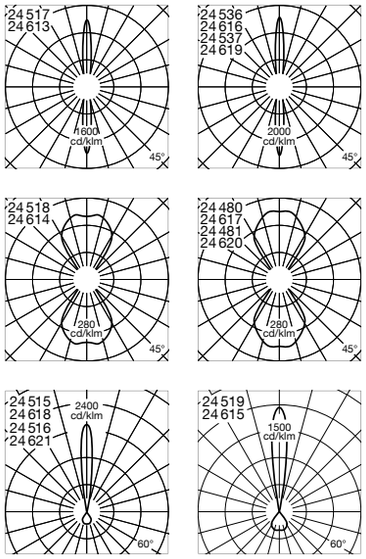
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

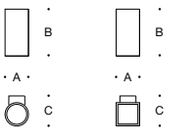
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution







Narrow beam · Narrow beam

	Round	Square	LED		PSU	β	A	B	C	AC/DC
	24 517	**24 613**	9.0 W	370 lm	on/off	22°	80	160	105	✔
	24 536	**24 616**	19.5 W	960 lm	on/off	15°	115	195	155	✔
	24 537	**24 619**	39.0 W	1800 lm	DALI	15°	145	245	190	✔

Wide beam · Wide beam

	Round	Square	LED		PSU	β	A	B	C	AC/DC
	24 518	**24 614**	9.0 W	970 lm	on/off	70°	80	160	105	✔
	24 480	**24 617**	19.5 W	2160 lm	on/off	70°	115	195	155	✔
	24 481	**24 620**	39.0 W	4200 lm	DALI	70°	145	245	190	✔

Narrow beam · Wide beam

	Round	Square	LED		PSU	β	A	B	C	AC/DC
	24 519	**24 615**	9.0 W	675 lm	on/off	22°/70°	80	160	105	✔
	24 515	**24 618**	19.5 W	1560 lm	on/off	15°/70°	115	195	155	✔
	24 516	**24 621**	39.0 W	3000 lm	DALI	15°/70°	145	245	190	✔

β = Half beam angle



Wall luminaires · **Accent lighting**
Light emission on two sides

Wall luminaires for effective and efficient accent lighting of walls and façades. Luminaires with a very small overhang and a newly developed optical system. Precise silicone lenses with varying beam angles and precise light deflection produce striking light graphics on the installation surface.
Silicone lenses are subject to virtually no wear and, in conjunction with our LED technology, make the luminaires durable and economical lighting tools.
Luminaires with a small overhang and a rectangular design open up new possibilities for accentuating walls and façades.

The BEGA mounting system enables exact alignment after installation.

You can find luminaires with identical technology but in round and square designs on Page 212.

The luminaires can be installed in any burning position.

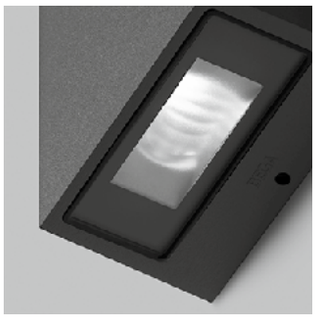
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	175 to 410 lm
Connected wattage	5.6 to 11.5 W
Size	120 mm
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Optical silicone lens	
DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A** White – article number + **W**	
20-year availability guarantee for LED modules	
Light distribution	











2 × 15° light emission

	LED		PSU	A	B	C	AC/DC
24 127	5.6 W	175 lm	DALI	120	180	70	✔



90° light emission · **15°** light emission

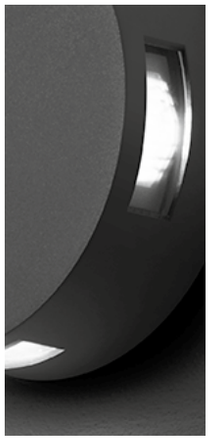
	LED		PSU	A	B	C	AC/DC
24 088	9.0 W	295 lm	DALI	120	180	70	✔



2 × 90° light emission

	LED		PSU	A	B	C	AC/DC
24 087	11.5 W	410 lm	DALI	120	180	70	✔





Wall luminaires · **Accent lighting**
Light emission on two or four sides

Wall luminaires for effective and efficient accent lighting of walls and façades. Luminaires with a very small overhang and a newly developed optical system. Precise silicone lenses with varying beam angles and precise light deflection produce striking light graphics on the installation surface. Silicone lenses are subject to virtually no wear and, in conjunction with our LED technology, make the luminaires durable and economical lighting tools. Luminaires with a small overhang and a round or square design open up new possibilities for accentuating walls and façades.

The BEGA mounting system enables exact alignment after installation.

You can find luminaires with identical technology but in a rectangular design on Page 210.

The luminaires can be installed in any burning position.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	165 to 815 lm
Connected wattage	5.6 to 23.0 W
Size	Ø · □ 180 mm
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass · Optical silicone lens

DALI-controllable power supply units

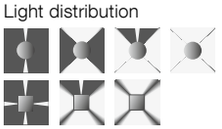
BEGA Thermal Management®

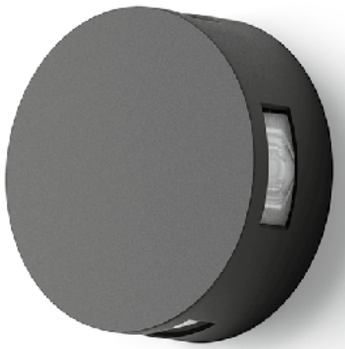
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution











2 × 15° light emission

	LED		PSU	A	B	AC/DC
24 177	5.6 W	165 lm	DALI	180	70	✔



2 × 90° light emission

	LED		PSU	A	B	AC/DC
24 178	11.5 W	380 lm	DALI	180	70	✔



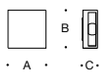
3 × 90° light emission · **15°** light emission

	LED		PSU	A	B	AC/DC
24 046	19.5 W	670 lm	DALI	180	70	✔



4 × 90° light emission

	LED		PSU	A	B	AC/DC
24 045	23.0 W	760 lm	DALI	180	70	✔





4 × 15° light emission

	LED		PSU	A	B	C	AC/DC
24 126	9.6 W	350 lm	DALI	180	180	70	✔



3 × 90° light emission · **15°** light emission

	LED		PSU	A	B	C	AC/DC
24 086	19.5 W	715 lm	DALI	180	180	70	✔



4 × 90° light emission

	LED		PSU	A	B	C	AC/DC
24 085	23.0 W	815 lm	DALI	180	180	70	✔



Wall luminaires · Surface washers
Asymmetrical or asymmetrical flat beam light distribution

These wall luminaires are part of a new group of luminaires that also includes pole-top and side-mounted pole-top luminaires. A comprehensive performance range that is able to perform all lighting applications in street, square and city illumination. Their predecessors shaped the design of the BEGA range for more than 50 years and received international awards for their excellent design. As illuminating classics, they became the standard for outdoor luminaires. We have designed and constructed the new luminaires in the image of their predecessors – technologically adapted to modern requirements.
We use only system components made of reliable materials for our lighting technology. Highly efficient reflectors with an ultra-pure aluminium surface, anti-glare single-pane safety glass and BEGA LED modules, combined with excellent heat management, create the basis for age-resistant lighting technology.

- The **asymmetrical** light distribution is particularly suitable for providing spatial illumination of squares.
- The **asymmetrical, flat beam** light distribution is particularly suitable for illuminating streets in accordance with DIN EN 13201.

Pole-top luminaires which match the shape and design of the luminaires in this series can be found on Pages 498 to 501.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

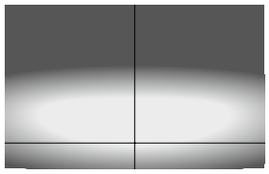
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2400 to 9600 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.2 to 67.0 W
Length	400 · 465 mm
Protection class	IP 66
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution	

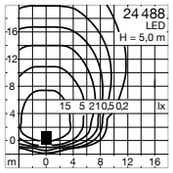


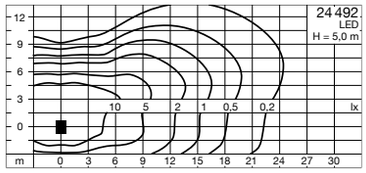
Asymmetrical

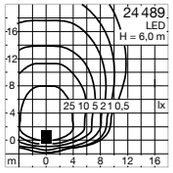


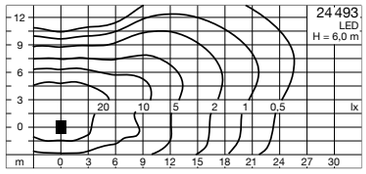
Asymmetrical flat beam

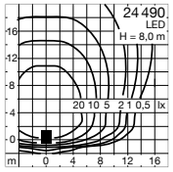


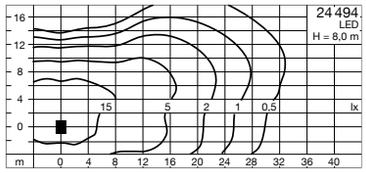


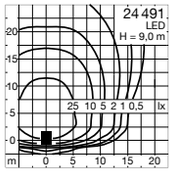


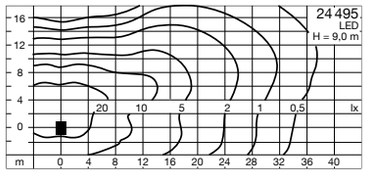


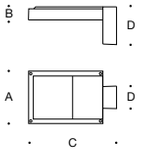












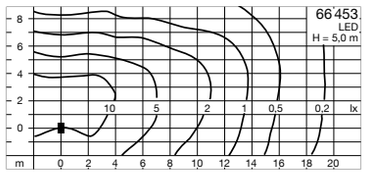
Asymmetrical light distribution

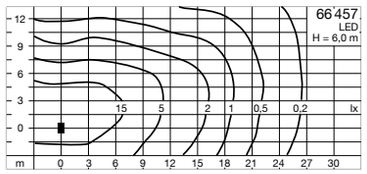
	LED		PSU	A	B	C	D	AC/DC
24 488	18.2 W	2400 lm	DALI	240	60	400	170 × 105	✔
24 489	33.5 W	4800 lm	DALI	240	60	400	170 × 105	✔
24 490	51.0 W	7200 lm	DALI	320	75	465	185 × 105	✔
24 491	67.0 W	9600 lm	DALI	320	75	465	185 × 105	✔

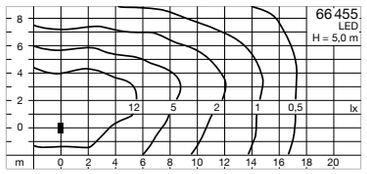
Asymmetrical flat beam light distribution

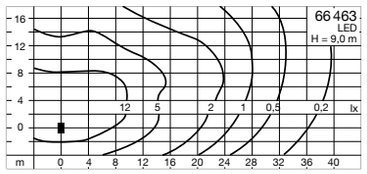
	LED		PSU	A	B	C	D	AC/DC
24 492	18.2 W	2400 lm	DALI	240	60	400	170 × 105	✔
24 493	33.5 W	4800 lm	DALI	240	60	400	170 × 105	✔
24 494	51.2 W	7200 lm	DALI	320	75	465	185 × 105	✔
24 495	67.0 W	9600 lm	DALI	320	75	465	185 × 105	✔











Wall luminaires · Surface washers

Asymmetrical or asymmetrical flat beam light distribution

These wall luminaires are part of a group of luminaires that also includes pole-top and side-mounted pole-top luminaires. A comprehensive performance range that is able to perform all lighting applications in street, square and city illumination.

- The **asymmetrical** light distribution is particularly suitable for providing spatial illumination of squares.
- The **asymmetrical, flat beam** light distribution is particularly suitable for illuminating streets in accordance with DIN EN 13201.

We use only system components made of reliable materials for our highly efficient lighting technology. Miro® reflectors in reflection-intensive ultra-pure aluminium, anti-glare single-pane safety glass and BEGA LED modules, combined with excellent heat management, create the basis for age-resistant lighting technology. Luminaires with this construction are easy to integrate into BEGA light control systems.

Pole-top luminaires that match the shape and design of the luminaires in this series can be found on Pages 490 to 497.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1855 to 9915 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	14.0 to 67.0 W
Length	410 · 610 mm
Protection class	IP 66

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium
Attack angle adjustable to 0° or 15°
Can be opened without the use of tools

DALI-controllable power supply units

BEGA Thermal Management®

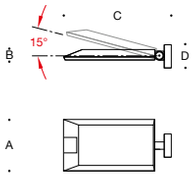
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules

Light distribution





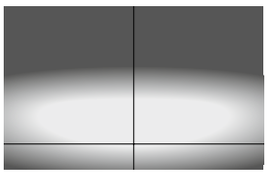
Asymmetrical light distribution

	LED		PSU	A	B	C	D	AC/DC
24 350	14.6 W	2060 lm	DALI	255	60	410	130	✔
66 451	34.5 W	5135 lm	DALI	255	60	410	130	✔
66 452	67.0 W	9915 lm	DALI	340	75	610	170	✔

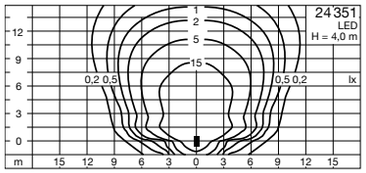
Asymmetrical flat beam light distribution

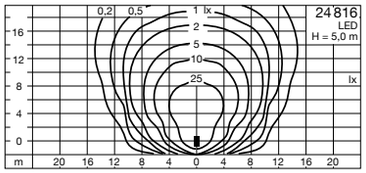
	LED		PSU	A	B	C	D	AC/DC
66 453	14.0 W	1855 lm	DALI	255	60	410	130	✔
66 455	17.6 W	2475 lm	DALI	255	60	410	130	✔
66 457	34.5 W	4880 lm	DALI	255	60	410	130	✔
66 463	67.0 W	9885 lm	DALI	340	75	610	170	✔

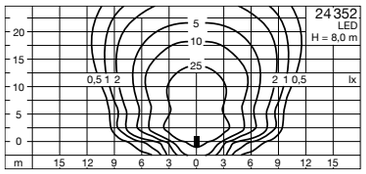

Asymmetrical


Asymmetrical flat beam









Wall luminaires · Surface washers
Asymmetrical light distribution

Surface washers with asymmetrical light distribution in various sizes for the cost-effective illumination of ceiling, wall and ground surfaces.
The asymmetrical light distribution is particularly suitable for the spatial illumination of surfaces.
The adjustability of the beam direction allows the luminaires to be adjusted to the requirements of the lighting situation.
These are durable construction details that prove convincing thanks to careful and responsible design as well as maximum lighting and structural quality.

The luminaires can be installed with light emission either upwards or downwards.

For pole-top luminaires that match the design and construction of the luminaires in this series, see Page 486.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

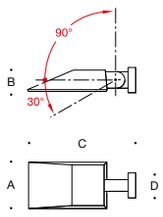
Luminaire luminous flux	3350 to 10 525 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	25.0 to 108.0 W
Length	485 · 570 mm
Protection class IP 65	
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium Attack angle adjustable from - 30° to + 90° in steps of 10°	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	
Light distribution	







Asymmetrical



Asymmetrical light distribution

	LED		PSU	A	B	C	D	AC/DC
24 351	25.0 W	3350 lm	DALI	225	105	485	130	✔
24 816	60.5 W	6675 lm	DALI	225	105	485	130	✔
24 352	108.0 W	10 525 lm	DALI	315	120	570	130	✔





Light design elements
Unshielded or shielded light

In addition to their lighting function, light design elements serve to structure and divide up open spaces and squares in both private and public areas. Pathways and squares are often given structure through the use of different materials, colours, paving dimensions and joint patterns.
BEGA light design elements open up new possibilities in the world of sophisticated open-space design.
Brilliant and robust design elements made of cast aluminium for the glare-free illumination of ground surfaces from a low mounting height.
Impressive light design elements that also invite you to sit down, rest and relax – by day and by night.

BEGA light design elements are bolted onto a foundation, provided by the customer, using a mounting plate.

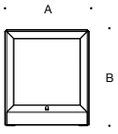
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	790 · 860 lm
Connected wattage	17.8 · 21.3 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel 77 764 synthetic cover 77 786 internal crystal glass Mounting plate made of hot-dip galvanised steel	
DALI-controllable power supply units.	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

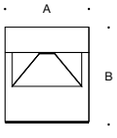






Light design element · **Unshielded** · Fig. left

	LED		PSU	A	B	AC/DC
77 764	21.3 W	860 lm	DALI	400	460	✔



Light design element · **Shielded** · Fig. right

	LED		PSU	A	B	AC/DC
77 786	17.8 W	790 lm	DALI	400	460	✔







On-ground luminaire

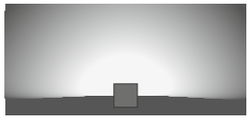
Compact on-ground luminaire for the glare-free illumination of ground surfaces from a low mounting height – in the immediate vicinity of the installation location.
The luminaires' flat beam light distribution is particularly suitable for illuminating pathways and entrance areas or delimiting square-like areas.
These luminaires are characterised by a robust design made of cast aluminium and by cost-effective and durable LED technology.

BEGA on-ground luminaire are bolted with a mounting plate onto a foundation provided by the customer or an anchorage unit made of hot-dip galvanised steel. Anchorage units are accessories and must be ordered separately.
Additional information on BEGA anchorage units can be found on Page 583.

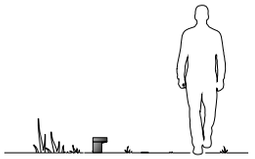
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

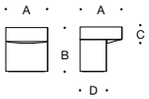
Luminaire data

Luminaire luminous flux	470 lm
Connected wattage	11.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass	
on/off power supply units	
BEGA Thermal Management®	
Flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



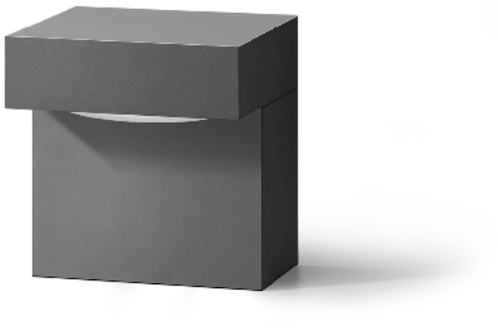
Flat beam light distribution





On-ground luminaire

	LED		PSU	A	B	C	D	AC/DC	Anch. unit
77 735	11.0 W	470 lm	on/off	200	210	60	125	✔	**70 894**





Light design element

Light design elements for structuring and dividing up surfaces and squares. Robust luminaires which illuminate the ground surfaces directly in front of their installation site with a flat beam light distribution. Luminaires that also invite you to sit down, rest and relax – by day and by night.
The distinction between paths and squares is often effected by using different materials, colours, paving dimensions and joint patterns. BEGA light design elements enable a new additional dimension for the demanding design of open areas.
Brilliant and robust design elements made of cast aluminium for the glare-free illumination of ground surfaces from a low mounting height.

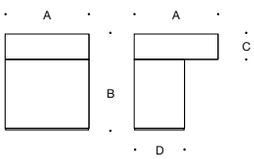
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

With mounting plate made of hot-dip galvanised steel for bolting onto a foundation.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

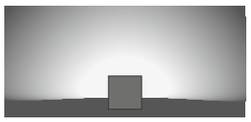
Luminaire data

Luminaire luminous flux	930 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	13.8 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

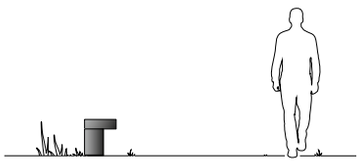


Light design element · Flat beam light distribution

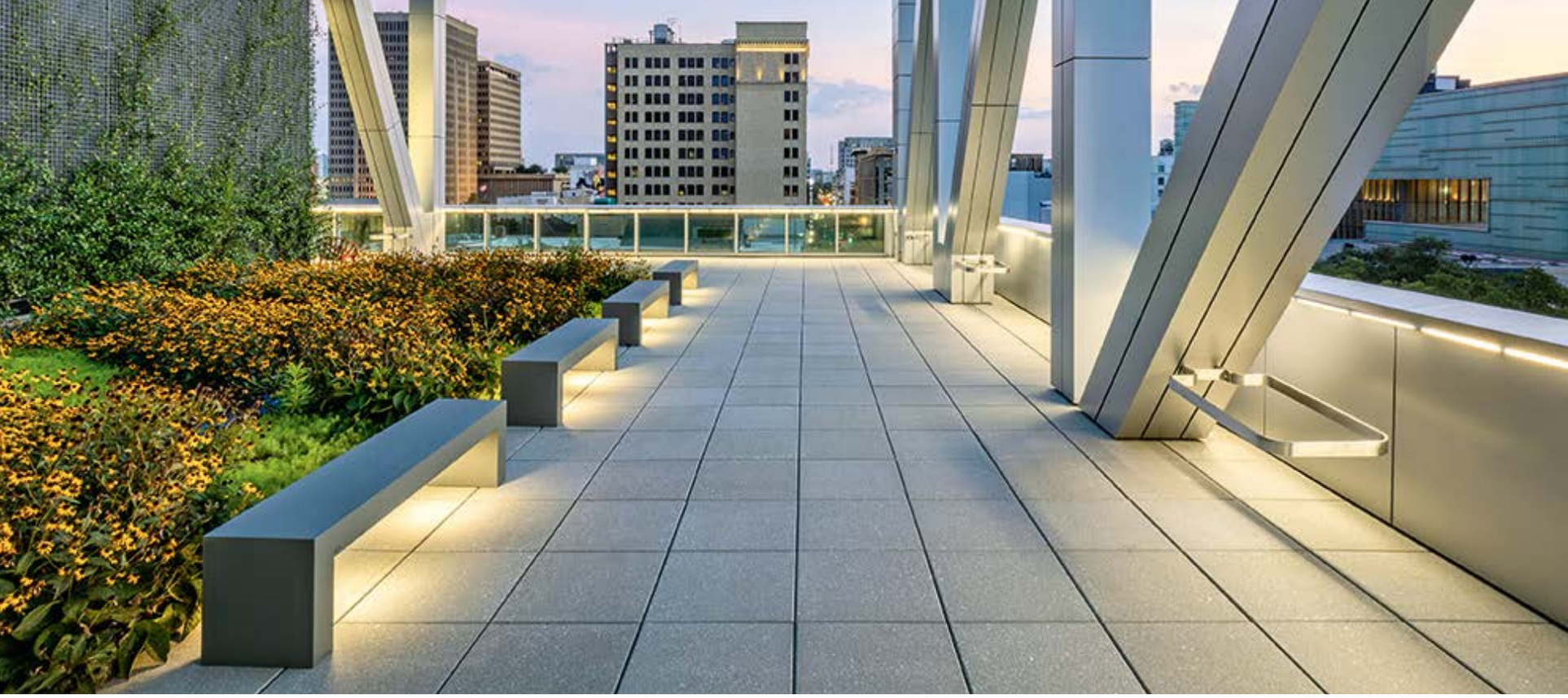
	LED		PSU	A	B	C	D	AC/DC
77 754	13.8 W	930 lm	DALI	400	460	120	240	✔



Flat beam light distribution







Light design elements
Seating – by day and by night

These light design elements are designed to encourage people to linger along pathways, in open spaces and on squares. They form impressive islands of light in the dark and give structure in landscape architecture and public spaces.
BEGA light design elements open up new possibilities in the world of sophisticated open-space design. They are illuminating and, at the same time, robust construction elements, made of aluminium for the glare-free illumination of ground surfaces. These light design elements are optionally available in a painted version, made of aluminium and cast aluminium, or with an additional genuine Kebony wood seat. BEGA light design elements are bolted onto a foundation, provided by the customer, using a mounting plate.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	555 · 11 10 lm
Connected wattage	7.4 · 14.8 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
84 236 · 84 237
With genuine Kebony wood seat
2 mounting plates made of hot-dip galvanised steel

DALI-controllable power supply units.

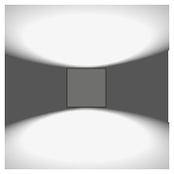
BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules

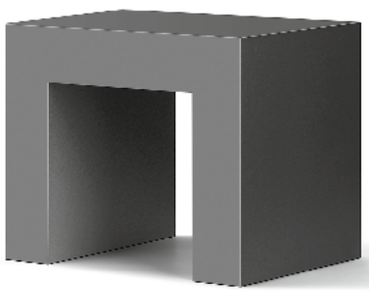




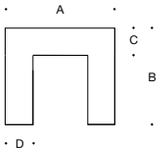
77 731 · 84 237



77 730 · 84 236





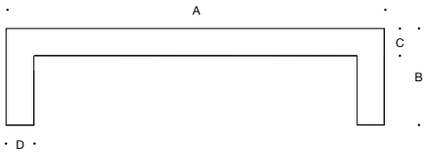


Light design element · “Stool”

	LED		PSU	A	B	C	D	AC/DC
77 731	7.4 W	555 lm	DALI	500 × 400	460	120	120	✔

Light design element · “Stool” · **with genuine Kebony wood seat**

	LED		PSU	A	B	C	D	AC/DC
84 237	7.4 W	555 lm	DALI	500 × 400	490	150	120	✔



Light design element · “Bench”

	LED		PSU	A	B	C	D	AC/DC
77 730	14.8 W	1110 lm	DALI	1800 × 400	460	120	120	✔

Light design element · “Bench” · **With genuine Kebony wood seat**

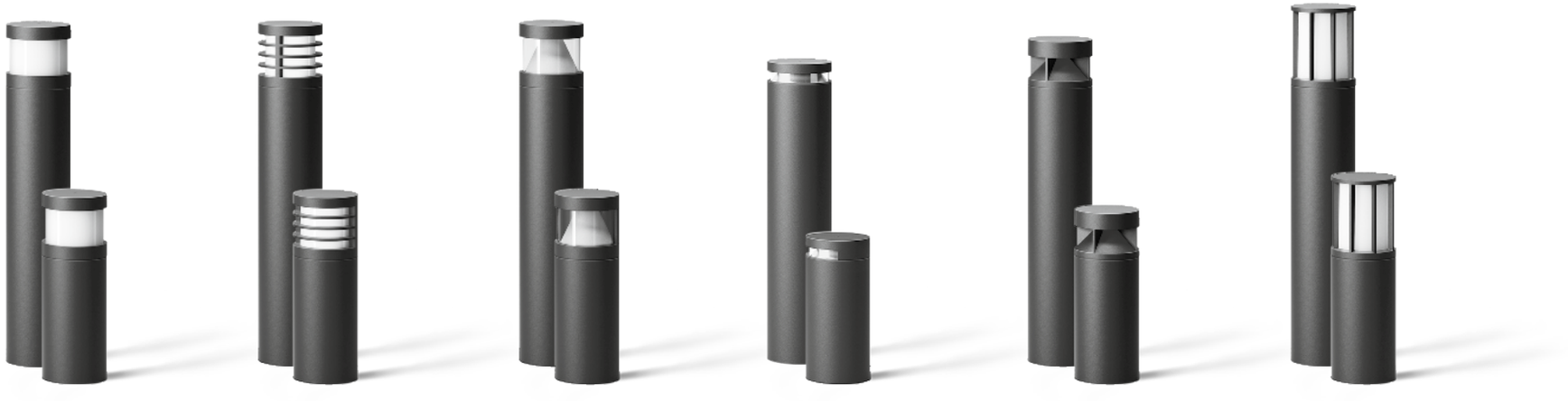
	LED		PSU	A	B	C	D	AC/DC
84 236	14.8 W	1110 lm	DALI	1800 × 400	490	150	120	✔



BEGA system bollards

As a modular system, BEGA system bollards enable luminaire heads and bollard tubes to be combined with various additional functions.
In lighting systems, luminaires of different heights or with additional functions, but with the same design and lighting technology, are often required. As part of our system bollard range, we offer bollard tubes with built-in floodlights, emergency lighting batteries, motion and light sensors, control modules, BEGA Vehicle Blocker® drive-through protection, lockable sockets and charging module inserts for electric vehicles.
In addition to aluminium bollard tubes, we also offer component-free bollard tubes, made of a combination of cast aluminium and Accoya® wood.

Simply order the bollard head and your preferred bollard tube to go with it.
The two modules can be quickly and easily connected to one another during installation.
A summary of the system components on Pages 228 and 229 provides a compact overview of the various combination options.
All BEGA system bollards can be found on Pages 230 to 253.



Page 230 Page 232 Page 234 Page 236 Page 238 Page 240





Page 242



Page 244



Page 248



Page 250



Page 232 · Page 230



Page 250 · Page 248

On Page 229, you will find matching bollard tubes with and without components for each bollard head. Please refer to the technical specifications for each luminaire in the instructions for use and data sheets on our website while still in the planning stage.

Bollard tubes with safety sockets have a type F socket (German/European system) as standard. On request, we can also supply the bollard tubes with other socket types for the same price. Additional information on socket types can be found on Page 580.

	BEGA bollard heads																			
	Catalogue page	230		232			234		236		238		240		242	244	248		250	
	BEGA bollard tubes Ø · □ in mm	140	190	140	190	265	140	190	190	265	190	265	140	190	190	190	160	220	160	220
A	In two heights without components Aluminium or Accoya® wood and aluminium	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
B	With floodlight		•		•			•	•		•			•	•	•		•		•
C	With PIR motion and light sensor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
D	With PIR motion and light sensor · DALI		•		•	•		•	•	•	•	•		•	•	•	•	•	•	•
E	With Zigbee control module		•		•	•		•	•	•	•	•		•	•	•	•	•	•	•
F	With a single emergency lighting battery		•		•	•		•	•	•	•	•		•	•	•	•	•	•	•
G	Drive-through protection up to 7.5 t BEGA Vehicle Blocker®					•				•		•						•		•
H	With 2 safety sockets behind a lockable door		•		•	•		•	•	•	•	•		•	•	•		•		•
I	With a lockable door with or without installation inserts					•				•		•								
J	With charging module insert for electric cars (type 2) behind a lockable door					•				•		•								
K	With one integral safety socket	•	•	•	•		•	•	•		•		•	•	•	•	•		•	
L	As a closing head for bollard tubes without illumination function	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

A

Bollard tubes without components

Bollard tubes without any additional components form the basic tubes of the system bollards.

These bollard tubes are available in a choice of two versions: aluminium or Accoya® wood and aluminium.



B

Bollard tubes with floodlight

Bollard tubes with built-in floodlight.
The floodlight has an adjustable inclination angle of ± 30°, can be rotated by 360° and adds an extra function to a system bollard so that it can illuminate architectural details, trees or plants. BEGA Hybrid Optics®

LED floodlight 23.0 W · 2500 lm · β = 18°
LED colour temperature 3000 K or 4000 K



C

Bollard tubes with PIR motion and light sensor

Bollard tubes with built-in passive infrared motion and light sensors react to thermal radiation in the dark. Other luminaires can be operated directly.



D

Bollard tubes with PIR motion and light sensor DALI

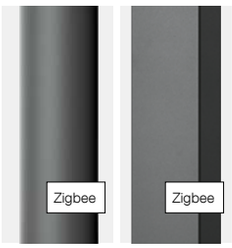
Bollard tubes with passive infrared motion and light sensor react to thermal radiation in the dark. Additional luminaires can be controlled via a DALI bus.
A DALI power supply is required to control an independent DALI line.



E

Bollard tubes with Zigbee control module

Bollard tubes with a built-in Zigbee control module can be controlled via a Zigbee network.



F

Bollard tubes with single emergency lighting battery

Bollard tubes with built-in emergency lighting battery insert with self-test function for three hours of emergency lighting operation.



G

BEGA Vehicle Blocker®
Bollard tubes as drive-through protection*

Concrete-casting bollard tubes for foundations to be provided by the customer. Statically tested foundation plans will be provided upon receipt of your order.

- Round bollard tubes: drive-through protection up to 7.5 t · 50 km/h
- Square bollard tubes: drive-through protection up to 1.5 t · 50 km/h



H

Bollard tubes with two safety sockets behind a lockable door

Bollard tubes with two integral 250 V type F (German/European system) safety sockets and RCD behind a lockable door



I

Bollard tubes with lockable door with or without installation inserts

Bollard tubes with connection compartment with three built-in 250 V type F (German/European system) safety sockets, three 250 V CEE sockets, two 400 V CEE sockets, eight C 16 A automatic cutouts and residual current devices, plus a lockable door.
Optionally available without installation inserts.



J

Bollard tubes with charging module insert for electric vehicles (type 2) behind a lockable door

Bollard tubes with charging module insert for electric vehicles (type 2) for charging outputs of 11 kW and 22 kW.



K

Bollard tubes with an integral safety socket

Bollard tubes with a freely accessible built-in 250 V type F (German/European system) safety socket.
Cover made of cast aluminium



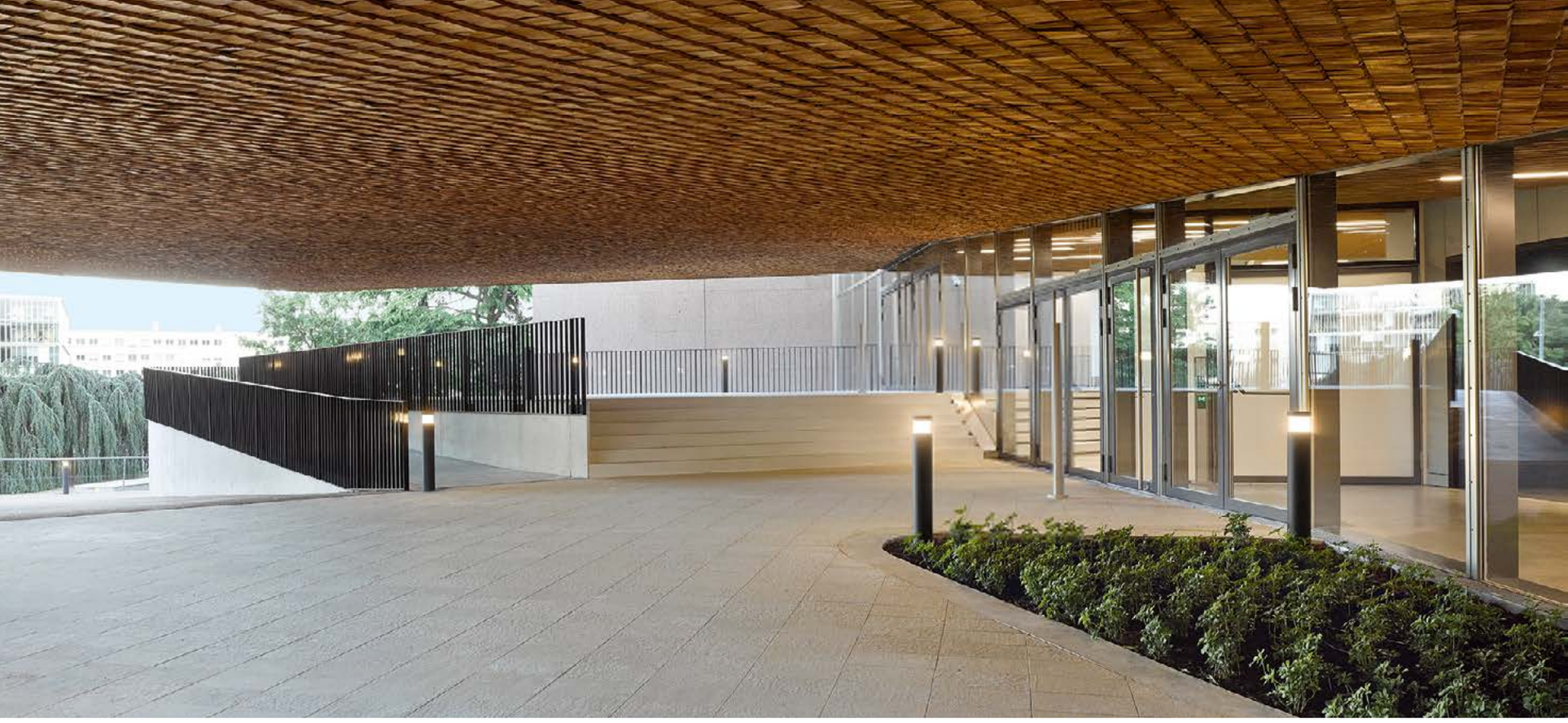
L

Closing heads for bollard tubes

Closing heads allow bollard tubes to be used without a lighting function, for example as a bollard with drive-through protection – BEGA Vehicle Blocker®.



* For illustrative purposes, the figure shows the internal concrete core to be provided on site.



System bollards
Unshielded · Light emission **360°**

These unshielded luminaire heads, from our modular system bollard range, emit their light symmetrically through 360° around the installation point. Luminaires for the illumination of pathways, squares and entrance areas.

Simply order the bollard head and your preferred bollard tube to go with it.

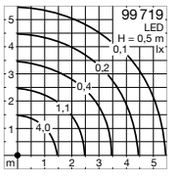
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

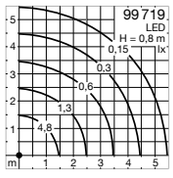
These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

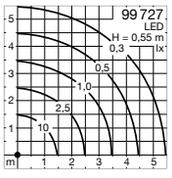
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

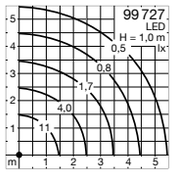
Luminaire data

Luminaire luminous flux	315 · 935 lm
Connected wattage	7.1 · 20.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cylinder, white	
On/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Unshielded · Light emission 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

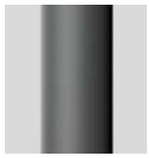








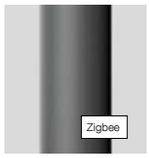
For matching bollard tubes, see Page 246.


Aluminium
w/o components


Accoya® wood
w/o components


With LED floodlight


With PIR sensor



With Zigbee
control module

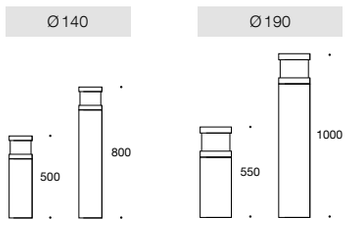

With a single
emergency lighting
battery


With safety socket


With 2 safety sockets


Closing head







System bollard heads · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
99 719	7.1 W	315 lm	on/off	140	140	✔
99 727	20.0 W	935 lm	DALI	190	185	✔



System bollards
Unshielded with safety guard · Light emission **180°** or **360°**

These unshielded luminaire heads from our modular system bollard range are equipped with a safety guard and emit their light symmetrically through 180° or 360° around the installation point.
Luminaires for the illumination of pathways, squares and entrance areas.

Simply order the bollard head and your preferred bollard tube to go with it.

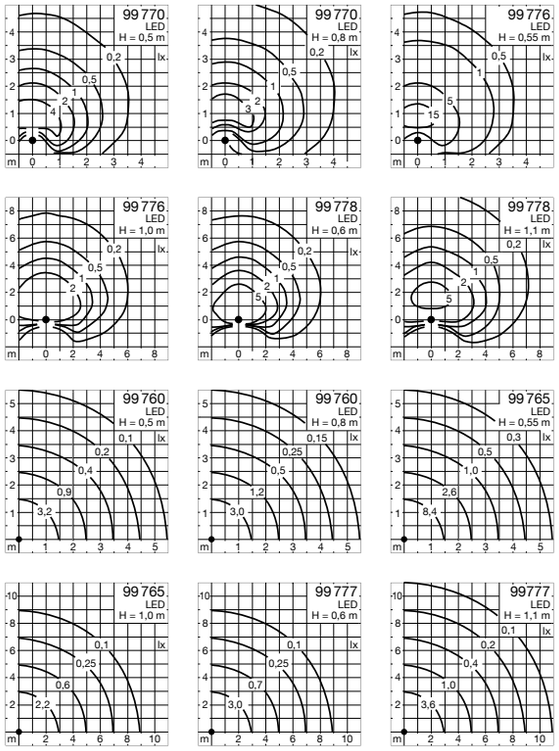
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

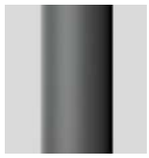
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	100 to 770 lm
Connected wattage	7.1 to 33.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
On/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Unshielded with safety guard Light emission 180° or 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



For matching bollard tubes, see Page 246.


Aluminium w/o components


Accoya® wood w/o components

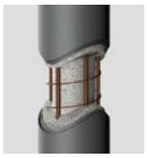

With LED floodlight


With PIR sensor



With Zigbee control module


With a single emergency lighting battery


With drive-through protection up to 7.5t


With safety socket

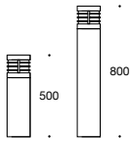
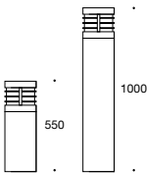
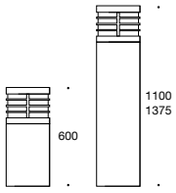

With 2 safety sockets


With installation inserts


With charging module for electric vehicles


Closing head



Ø 140	Ø 190	Ø 265
		



System bollard heads · Light emission **180°**

	LED		PSU	Ø	H	AC/DC
99 770	7.1 W	100 lm	on/off	140	140	✔
99 776	20.0 W	310 lm	DALI	190	185	✔
99 778	33.0 W	400 lm	DALI	265	225	✔



System bollard heads · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
99 760	7.1 W	205 lm	on/off	140	140	✔
99 765	20.0 W	565 lm	DALI	190	185	✔
99 777	33.0 W	770 lm	DALI	265	225	✔



System bollards
Shielded with reflector · Light emission **180°** or **360°**

These luminaire heads from our modular system bollard range emit their shielded light symmetrically through 180° or 360° around the installation point and onto the respective ground surface.
Luminaires for the glare-free illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

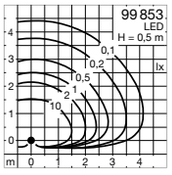
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

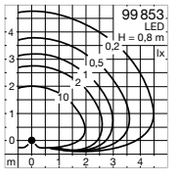
These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

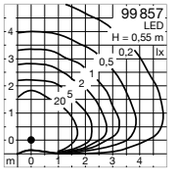
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

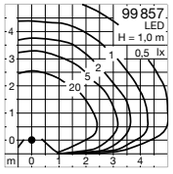
Luminaire data

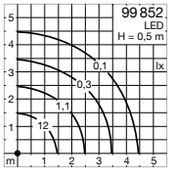
Luminaire luminous flux	335 to 1835 lm
Connected wattage	7.1 · 20.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Borosilicate glass Reflector made of pure anodised aluminium	
On/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded with reflector Light emission 180° or 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

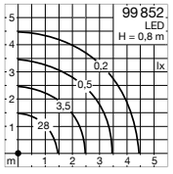


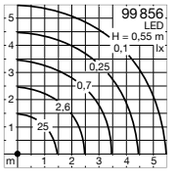


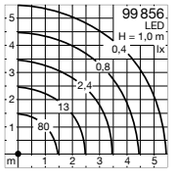




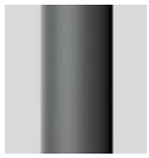








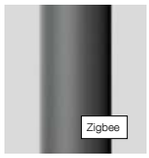
For matching bollard tubes, see Page 246.


Aluminium
w/o components


Accoya® wood
w/o components


With LED floodlight


With PIR sensor



With Zigbee
control module

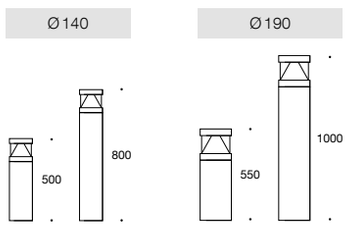

With a single
emergency lighting
battery

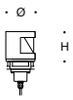

With safety socket


With 2 safety sockets


Closing head







System bollard heads · Light emission **180°**

	LED		PSU	Ø	H	AC/DC
99 853	7.1 W	335 lm	on/off	140	140	✔
99 857	20.0 W	920 lm	DALI	190	185	✔



System bollard heads · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
99 852	7.1 W	665 lm	on/off	140	140	✔
99 856	20.0 W	1835 lm	DALI	190	185	✔



System bollards
Light emission **180°** or **360°**

These luminaire heads from our modular system bollard range emit their shielded light onto the ground surface to be illuminated with a high degree of uniformity. Available with either 180° or 360° light emission around the installation point. Luminaires for the glare-free illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

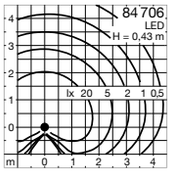
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

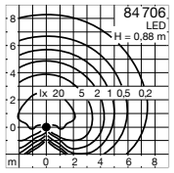
These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

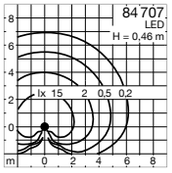
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

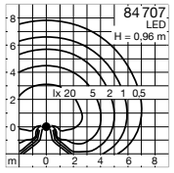
Luminaire data

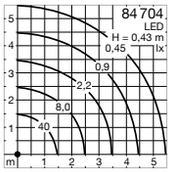
Luminaire luminous flux	925 to 2800 lm
Connected wattage	9.6 to 26.6 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Borosilicate glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded with reflector Light emission 180° or 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

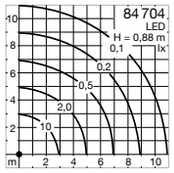


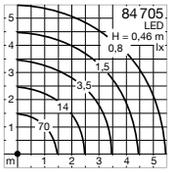


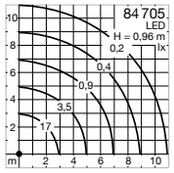




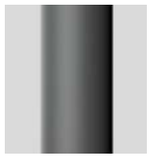








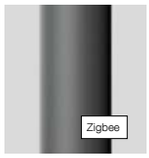
For matching bollard tubes, see Page 246.


Aluminium w/o components


Accoya® wood w/o components

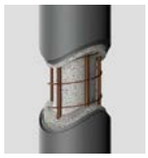

With LED floodlight


With PIR sensor



With Zigbee control module


With a single emergency lighting battery


With drive-through protection up to 7.5 t

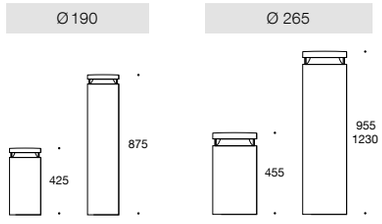

With safety socket


With 2 safety sockets


With installation inserts


With charging module for electric vehicles


Closing head





System bollard heads · Light emission **180°**

	LED		PSU	Ø	H	AC/DC
84 706	9.6 W	925 lm	DALI	190	60	✔
84 707	14.5 W	1300 lm	DALI	265	80	✔



System bollard heads · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
84 704	18.6 W	2015 lm	DALI	190	60	✔
84 705	26.6 W	2800 lm	DALI	265	80	✔





System bollards
Shielded · Light emission **360°**

These luminaire heads from our modular system bollard range emit their completely shielded light through 360° around the installation point and onto the ground surface to be illuminated.
Luminaires for the glare-free illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

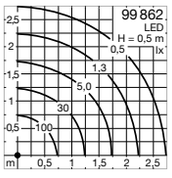
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

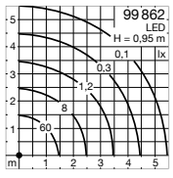
These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

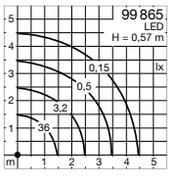
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

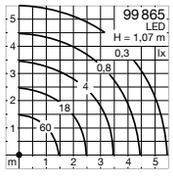
Luminaire data

Luminaire luminous flux	1285 · 1575 lm
Connected wattage	20.0 · 33.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded with reflector Light emission 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

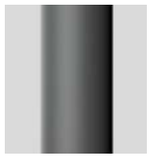








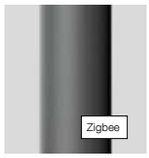
For matching bollard tubes, see Page 246.


Aluminium w/o components


Accoya® wood w/o components

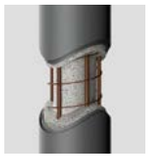

With LED floodlight


With PIR sensor



With Zigbee control module


With a single emergency lighting battery


With drive-through protection up to 7.5 t


With safety socket

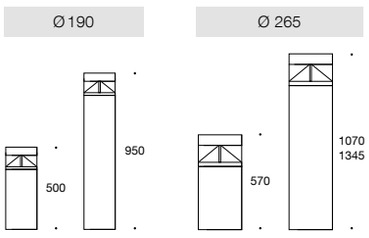

With 2 safety sockets

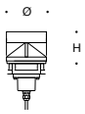

With installation inserts


With charging module for electric vehicles


Closing head







System bollard heads · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
99 862	20.0 W	1285 lm	DALI	190	135	✔
99 865	33.0 W	1575 lm	DALI	265	195	✔



System bollards
Unshielded with safety guard · Light emission **360°**

These unshielded luminaire heads from our modular system bollard range are equipped with a safety guard and emit their light symmetrically through 360° around the installation point.
Luminaires for the illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

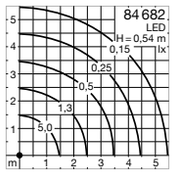
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

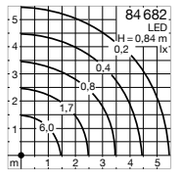
These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

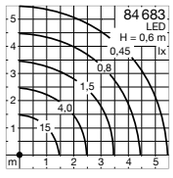
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

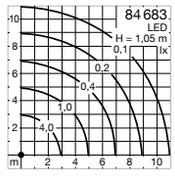
Luminaire data

Luminaire luminous flux	450 · 1165 lm
Connected wattage	7.1 · 20.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
On/off or DALI-controllable power supply units	
BEGA Thermal Management®	
Unshielded with safety guard Light emission 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

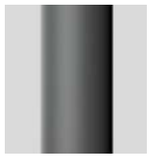








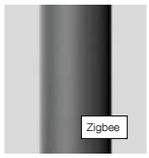
For matching bollard tubes, see Page 246.


Aluminium
Without components


Accoya® wood
Without components


With LED floodlight


With PIR sensor



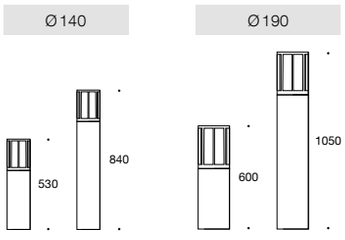
With Zigbee control module

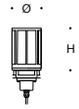

With a single emergency lighting battery


With safety socket


With 2 safety sockets


Closing head





System bollard heads · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
84 682	7.1 W	450 lm	on/off	140	180	✔
84 683	20.0 W	1165 lm	DALI	190	230	✔





System bollards
Shielded · Light emission **360°**

These luminaire heads from our modular system bollard range emit their light symmetrically through 360° around the installation point with a high degree of uniformity. Luminaires for the illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

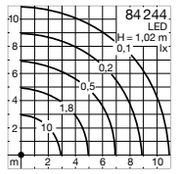
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

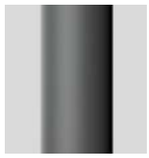
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1625 lm
Connected wattage	19.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, clear Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded with reflector Light emission 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



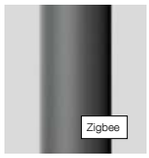
For matching bollard tubes, see Page 246.


Aluminium
Without components


Accoya® wood
Without components


With LED floodlight


With PIR sensor



With Zigbee control module

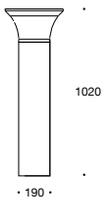

With a single emergency lighting battery

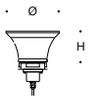

With safety socket


With 2 safety sockets


Closing head







System bollard head · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
84 244	19.5 W	1625 lm	DALI	360	205	✔



System bollards
Shielded · Light emission **360°**

These luminaire heads from our modular system bollard range emit their completely shielded light symmetrically through 360° around the installation point with a high degree of uniformity. Luminaires for the illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all round bollard tubes can be found on Page 246.

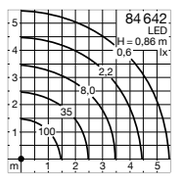
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

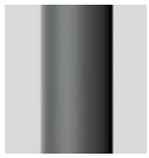
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	4555 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	35.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded with reflector Light emission 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



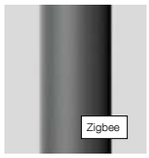
For matching bollard tubes, see Page 246.


Aluminium
Without components


Accoya® wood
Without components


With LED floodlight


With PIR sensor



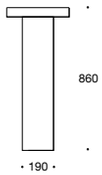
With Zigbee control module

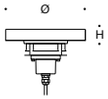

With a single emergency lighting battery


With safety socket


With 2 safety sockets


Closing head





System bollard head · Light emission **360°**

	LED		PSU	Ø	H	AC/DC
84 642	35.5 W	4555 lm	DALI	380	45	✔









BEGA bollard tubes · Round
As a supplement to BEGA bollard heads

On this page, you will find all bollard tubes for the bollard heads on Pages 230 to 245. A brief description on Page 247 gives you a compact overview of the bollard tubes and their functions. Detailed technical and lighting data for all the system components can be found in the data sheets and instructions for use on our website.

Bollard tubes with safety sockets have a type F socket (German/European system) as standard. On request, we can also supply the bollard tubes with other socket types for the same price. Additional information on socket types can be found on Page 580.

Simply order the bollard head and your preferred bollard tube to go with it. The two modules can be quickly and easily connected to one another during installation.

Protection class IP 65 · Cast aluminium, aluminium and stainless steel Accoya® wood

BEGA bollard tubes are bolted with a mounting plate onto a foundation provided by the customer or an anchorage unit made of hot-dip galvanised steel.
The mounting system can be used to align the bollard tube.
Anchorage units are accessories and must be ordered separately.
Additional information on BEGA anchorage units can be found on Page 583.

Bollard tube colour BEGA Unidure®
Graphite – article number
Silver – article number + **A**

Ø 140

	Bollard tubes			Connection	H	Anch. unit
A	**99 614**	Ø 140	Without components · Low	Terminals 3 × 4□	350	**70 894**
	99 620	Ø 140	Without components · High	Terminals 3 × 4□	660	**70 894**
	84 476	Ø 140	Without components · Accoya® wood · High	Terminals 3 × 4□	660	**70 894**
C	**84 759**	Ø 140	With PIR motion and light sensor	71 084	660	**70 894**
K	**84 168**	Ø 140	With safety socket 250 V type F	70 629	660	**70 894**
L	**71 126**	Ø 140	Closing head without illumination function	–	20	–

Ø 190

	Bollard tubes			Connection	H	Anch. unit
A	**99 615**	Ø 190	Without components · Low	Terminals 3 × 4□	365	**70 895**
	99 622	Ø 190	Without components · High	71 084	815	**70 896**
	84 464	Ø 190	Without components · Accoya® wood · High	71 084	815	**70 896**
B	**84 833**	Ø 190	With LED floodlight 23.0 W · 2500 lm · β = 18°	71 084	815	**70 896**
C	**84 760**	Ø 190	With PIR motion and light sensor	71 084	815	**70 896**
D	**84 170**	Ø 190	With PIR motion and light sensor · DALI	71 084	815	**70 896**
E	**84 640**	Ø 190	With control module · Zigbee	71 084	815	**70 896**
F	**84 634**	Ø 190	With single emergency lighting battery 10 W · 3 h	71 601	815	**70 896**
K	**84 169**	Ø 190	With safety socket 250 V type F	70 629	815	**70 896**
H	**99 626**	Ø 190	With 2 safety sockets 250 V type F Behind a lockable door	70 869	815	**70 896**
L	**71 127**	Ø 190	Closing head without illumination function	–	20	–

Ø 265

	Bollard tubes			Connection	H	Anch. unit
A	**99 619**	Ø 265	Without components · Low	Terminals 3 × 4□	375	**70 896**
	99 624	Ø 265	Without components · High	71 084	875	**70 896**
	84 465	Ø 265	Without components · Accoya® wood · High	71 084	875	**70 896**
C	**84 761**	Ø 265	With PIR motion and light sensor	71 084	875	**70 896**
D	**84 173**	Ø 265	With PIR motion and light sensor · DALI	71 084	875	**70 896**
E	**84 641**	Ø 265	With control module · Zigbee	71 084	875	**70 896**
F	**84 636**	Ø 265	With single emergency lighting battery 10 W · 3 h	71 601	875	**70 896**
G	**84 623**	Ø 265	Drive-through protection* up to 7.5 t · 50 km/h · Foundation height 800 mm	70 632	875	Included
	84 303	Ø 265	Drive-through protection* up to 7.5 t · 50 km/h · Foundation height 380 mm	70 632	875	Included
H	**99 627**	Ø 265	With 2 safety sockets 250 V type F Behind a lockable door	70 869	875	**70 896**
I	**84 095**	Ø 265	With 2 CEE sockets 400 V, with 3 CEE sockets 250 V With 3 safety sockets 250 V type F, with RCD With 2 automatic cutouts 3-pole With 6 automatic cutouts 1-pole		1150	**70 896**
	84 096	Ø 265	Without installation inserts with 2 fuse boxes, 8-part		1150	**70 896**
J	**84 097**	Ø 265	With charging module insert for electric vehicles (type 2) max. 22 kW		1150	**70 896**
L	**71 128**	Ø 265	Closing head without illumination function	–	20	–

* BEGA Vehicle Blocker® β = Half beam angle

A

Bollard tubes without components

Bollard tubes without any additional components form the basic tubes of the system bollards.

These bollard tubes are available in a choice of two versions: aluminium or Accoya® wood and aluminium.



B

Bollard tubes with floodlight

Bollard tubes with built-in floodlight.
The floodlight has an adjustable inclination angle of ± 30°, can be rotated by 360° and adds an extra function to a system bollard so that it can illuminate architectural details, trees or plants. BEGA Hybrid Optics®

LED floodlight 23.0 W · 2500 lm · β = 18°
LED colour temperature 3000 K or 4000 K



C

Bollard tubes with PIR motion and light sensor

Bollard tubes with built-in passive infrared motion and light sensors react to thermal radiation in the dark. Other luminaires can be operated directly.



D

Bollard tubes with PIR motion and light sensor · DALI

Bollard tubes with passive infrared motion and light sensor react to thermal radiation in the dark. Additional luminaires can be controlled via a DALI bus.
A DALI power supply is required to control an independent DALI line.



E

Bollard tubes with Zigbee control module

Bollard tubes with a built-in Zigbee control module can be controlled via a Zigbee network.



F

Bollard tubes with single emergency lighting battery

Bollard tubes with built-in emergency lighting battery insert with self-test function for three hours of emergency lighting operation.



G

BEGA Vehicle Blocker®
Bollard tubes as drive-through protection*

Concrete-casting bollard tubes for foundations to be provided by the customer. Statically tested foundation plans for different foundation heights and application situations – certified for drive-through protection up to 7.5 t · 50 km/h – will be provided upon receipt of your order.



H

Bollard tubes with two safety sockets behind a lockable door

Bollard tubes with two integral 250 V type F (German/European system) safety sockets and RCD behind a lockable door



I

Bollard tubes with lockable door with or without installation inserts

Bollard tubes with connection compartment with three built-in 250 V type F (German/European system) safety sockets, three 250 V CEE sockets, two 400 V CEE sockets, eight C 16 A automatic cutouts and residual current devices, plus a lockable door.
Optionally available without installation inserts.



J

Bollard tubes with charging module insert for electric vehicles (type 2) behind a lockable door

Bollard tubes with charging module insert for electric vehicles (type 2) for charging outputs of 11 kW and 22 kW.



K

Bollard tubes with an integral safety socket

Bollard tubes with a freely accessible built-in 250 V type F (German/European system) safety socket.
Cover made of cast aluminium



L

Closing heads for bollard tubes

Closing heads allow bollard tubes to be used without a lighting function: for example, as a bollard with drive-through protection – BEGA Vehicle Blocker®.



* For illustrative purposes, the figure shows the internal concrete core to be provided on site.



System bollards
Unshielded with safety guard · Light emission **360°**

These unshielded luminaire heads from our modular system bollard range are equipped with a robust safety guard and emit their light in all directions around the installation point. Luminaires for the illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

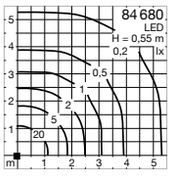
An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all square bollard tubes can be found on Page 252.

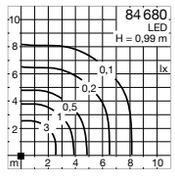
These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

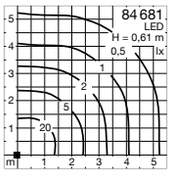
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

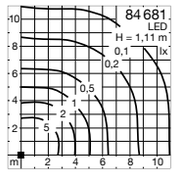
Luminaire data

Luminaire luminous flux	820 · 1775 lm
Connected wattage	9.8 · 18.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
DALI-controllable power supply units	
BEGA Thermal Management®	
Unshielded with safety guard Light emission 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	









For matching bollard tubes, see Page 252.


Aluminium
Without components


Accoya® wood
Without components


With LED floodlight


With PIR sensor



With Zigbee control module

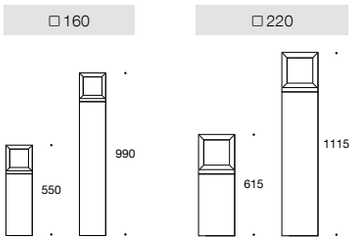

With a single emergency lighting battery

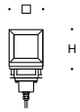

With drive-through protection up to 1.5t


With safety socket


With 2 safety sockets

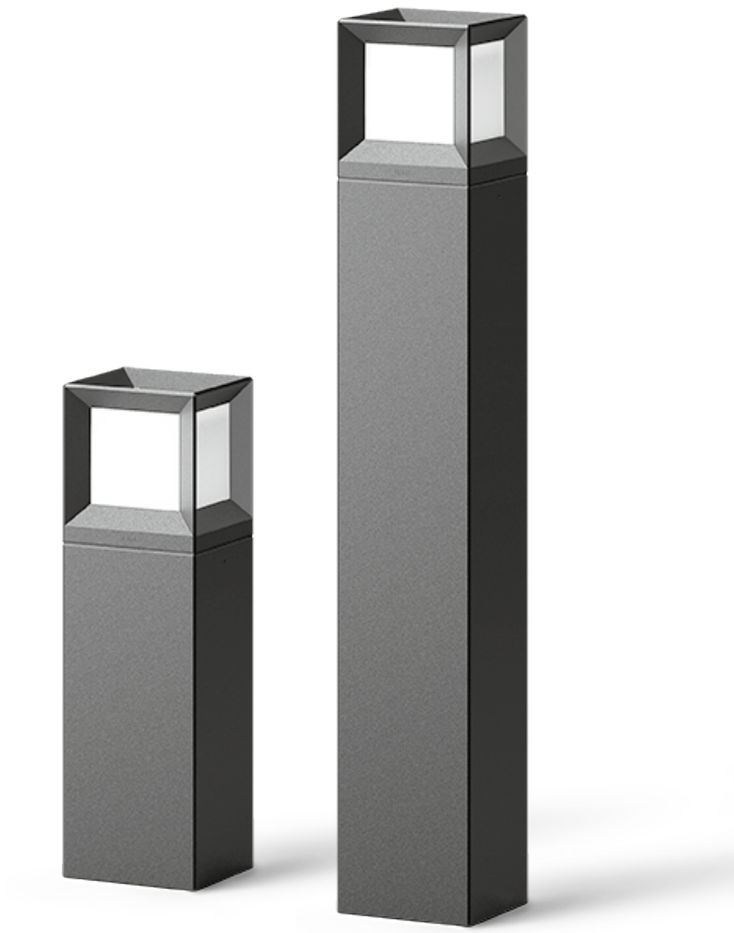

Closing head





System bollard heads · Light emission **360°**

	LED		PSU	□	H	AC/DC
84 680	9.8 W	820 lm	DALI	160	175	✔
84 681	18.0 W	1775 lm	DALI	220	235	✔





System bollards
Shielded · Light emission **360°**

These luminaire heads from our modular system bollard range emit their completely shielded light from all four sides onto the ground surface to be illuminated. Luminaires for the illumination of pathways, open spaces and driveways.

Simply order the bollard head and your preferred bollard tube to go with it.

An overview of the bollard tubes compatible with this bollard head can be found at the top of the next page. Additional information on all square bollard tubes can be found on Page 252.

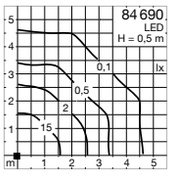
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

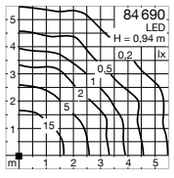
These BEGA system bollards are equipped with an alignable mounting system.
It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

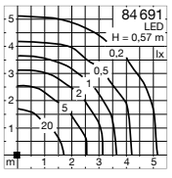
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

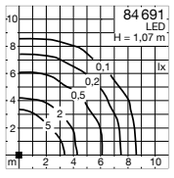
Luminaire data

Luminaire luminous flux	390 · 715 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	20.0 · 30.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Borosilicate glass	
DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded · Light emission 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	









For matching bollard tubes, see Page 252.


Aluminium
Without components


Accoya® wood
Without components


With LED floodlight


With PIR sensor



With Zigbee control module

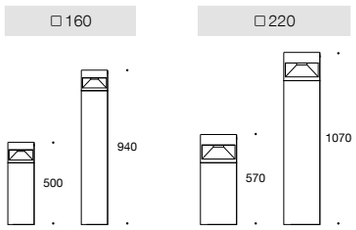

With a single emergency lighting battery


With drive-through protection up to 1.5t


With safety socket


With 2 safety sockets


Closing head





System bollard heads · Light emission **360°**

	LED		PSU	□	H	AC/DC
84 690	20.0 W	390 lm	DALI	160	125	✔
84 691	30.0 W	715 lm	DALI	220	190	✔









BEGA bollard tubes · square
As a supplement to BEGA bollard heads

On this page, you will find all bollard tubes for the bollard heads on Pages 248 to 251. A brief description on Page 253 gives you a compact overview of the bollard tubes and their functions. Detailed technical and lighting data for all the system components can be found in the data sheets and instructions for use on our website.

Bollard tubes with safety sockets have a type F socket (German/European system) as standard. On request, we can also supply the bollard tubes with other socket types for the same price. Additional information on socket types can be found on Page 580

Simply order the bollard head and your preferred bollard tube to go with it. The two modules can be quickly and easily connected to one another during installation.

Protection class IP 65 · Cast aluminium, aluminium and stainless steel

BEGA bollard tubes are bolted with a mounting plate onto a foundation provided by the customer or an anchorage unit made of hot-dip galvanised steel.
The mounting system can be used to align the bollard tube.
Anchorage units are accessories and must be ordered separately.
Additional information on BEGA anchorage units can be found on Page 583.

Bollard tube colour BEGA Unidure®
Graphite – article number
Silver – article number + **A**

		Bollard tubes			Connection	H	Anch. unit
□ 160	**A**	**84 000**	□ 160	Without components · Low	Terminals 3 × 4□	375	**70 895**
		84 002	□ 160	Without components · High	70 632	815	**70 895**
		84 466	□ 160	Without components · Accoya® wood · High	71 084	815	**70 895**
	C	**84 762**	□ 160	With PIR motion and light sensor	71 084	815	**70 895**
	D	**84 150**	□ 160	With PIR motion and light sensor · DALI	71 084	815	**70 895**
	E	**84 022**	□ 160	With control module · Zigbee	71 084	815	**70 895**
	F	**84 006**	□ 160	With single emergency lighting battery 10 W · 3 h	70 629	815	**70 895**
	K	**84 149**	□ 160	With safety socket 250 V type F	70 629	815	**70 895**
	L	**71 124**	□ 160	Closing head without illumination function	–	20	–

		Bollard tubes			Connection	H	Anch. unit
□ 220	**A**	**84 001**	□ 220	Without components · Low	Terminals 3 × 4□	375	**70 896**
		84 003	□ 220	Without components · High	71 084	875	**70 896**
		84 467	□ 220	Without components · Accoya® wood · High	71 084	875	**70 896**
	B	**84 834**	□ 220	With LED floodlight 23.0 W · 2500 lm · β = 18°	70 084	875	**70 896**
	C	**84 763**	□ 220	With PIR motion and light sensor	71 084	875	**70 896**
	D	**84 152**	□ 220	With PIR motion and light sensor · DALI	71 084	875	**70 896**
	E	**84 023**	□ 220	With control module · Zigbee	71 084	875	**70 896**
	F	**84 008**	□ 220	With single emergency lighting battery 10 W · 3 h	70 629	875	**70 896**
	G	**84 016**	□ 220	Drive-through protection* up to 1.5 t · 50 km/h · Foundation height 800 mm	70 632	875	Included
	H	**84 004**	□ 220	With 2 safety sockets 250 V type F Behind a lockable door	70 869	875	**70 896**
	L	**71 125**	□ 220	Closing head without illumination function	–	20	–

* BEGA Vehicle Blocker® β = Half beam angle

A

Bollard tubes without components

Bollard tubes without any additional components form the basic tubes of the system bollards.
These bollard tubes are available in a choice of two versions: aluminium or Accoya® wood and aluminium.



B

Bollard tubes with floodlight

Bollard tubes with built-in floodlight.
The floodlight has an adjustable inclination angle of ± 30°, can be rotated by 360° and adds an extra function to a system bollard so that it can illuminate architectural details, trees or plants. BEGA Hybrid Optics®

LED floodlight 23.0 W · 2500 lm · β = 18°
LED colour temperature 3000 K or 4000 K



C

Bollard tubes with PIR motion and light sensor

Bollard tubes with built-in passive infrared motion and light sensors react to thermal radiation in the dark.
Other luminaires can be operated directly.



D

Bollard tubes with PIR motion and light sensor · DALI

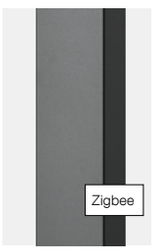
Bollard tubes with passive infrared motion and light sensor react to thermal radiation in the dark. Additional luminaires can be controlled via a DALI bus.
A DALI power supply is required to control an independent DALI line.



E

Bollard tubes with Zigbee control module

Bollard tubes with a built-in Zigbee control module can be controlled via a Zigbee network.



F

Bollard tubes with single emergency lighting battery

Bollard tubes with built-in emergency lighting battery insert with self-test function for three hours of emergency lighting operation.



G

BEGA Vehicle Blocker®
Bollard tubes as drive-through protection*

Concrete-casting bollard tubes for foundations to be provided by the customer. Statically tested foundation plans – certified for drive-through protection up to 1.5 t · 50 km/h – will be provided upon receipt of your order.



H

Bollard tubes with two safety sockets behind a lockable door

Bollard tubes with two integral 250 V type F (German/European system) safety sockets and RCD behind a lockable door



K

Bollard tubes with an integral safety socket

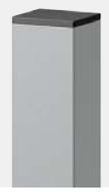
Bollard tubes with a freely accessible built-in 250 V type F (German/European system) safety socket.
Cover made of cast aluminium



L

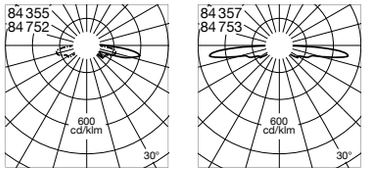
Closing heads for bollard tubes

Closing heads allow bollard tubes to be used without a lighting function: for example, as a bollard with drive-through protection – BEGA Vehicle Blocker®.



* For illustrative purposes, the figure shows the internal concrete core to be provided on site.





On-ground luminaires
Light emission 180° or 360°

For decades, BEGA luminaires from this series have been outstanding lighting construction details on numerous exterior installations worldwide.
These new luminaires have been developed as successors in terms of design and lighting technology. These on-ground luminaires with high luminous efficiency are particularly suitable for the wide-area illumination of pathways from a very low mounting height. Luminaires for visual guidance in private and public areas.
We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces. Additional information on connection housings can be found on Page 582.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	310 to 1535 lm
Connected wattage	6.6 to 22.5 W
Protection class	IP 67
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium Optical silicone lens	
BEGA Hybrid Optics®	
On/off or DALI-controllable power supply units	
Integrated water stop and connecting cable	
BEGA Thermal Management®	
Light emission 180° or 360°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

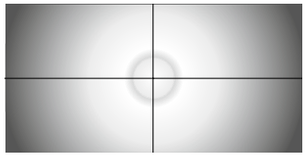


Connection housing

We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces. Additional information on connection housings can be found on Page 582.



180°



360°



On-ground luminaires · Light emission **180°**

	LED		PSU	A	B	AC/DC	Connection housing
84 752	6.6 W	310 lm	on/off	170	120	✔	**71 246**
84 355	13.8 W	605 lm	DALI	210	150	✔	**71 246**

On-ground luminaires · Light emission **360°**

	LED		PSU	A	B	AC/DC	Connection housing
84 753	15.4 W	970 lm	on/off	170	120	✔	**71 246**
84 357	22.5 W	1535 lm	DALI	210	150	✔	**71 246**







On-ground luminaire · Surface washer
Asymmetrical light distribution

Compact on-ground luminaires for light from a very low mounting height.
The asymmetrical light distribution is suitable for glare-free illumination of ground surfaces in front of the point of installation of the luminaire.
Luminaires for illuminating driveways and footpaths, for marking ground surfaces and for visual guidance in private and public areas.
These luminaires are characterised by a robust design made of cast aluminium and by cost-effective and durable LED technology.

These BEGA on-ground luminaires can be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

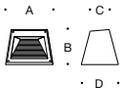
Luminaire data

Luminaire luminous flux	340 · 710 lm
Connected wattage	11.2 · 19.5 W
Protection class	IP 67
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



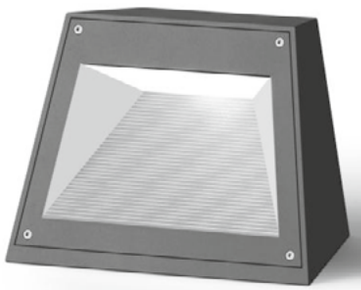


Asymmetrical light distribution



On-ground luminaires · **Asymmetrical** light distribution

	LED		PSU	A	B	C	D	AC/DC	Anchorage unit
77 791	11.2 W	340 lm	DALI	230	170	90	180	✔	**70 894**
84 815	19.5 W	710 lm	DALI	230	170	90	180	✔	**70 894**







Asymmetrical flat beam
light distribution



Matching wall luminaires Page 132

On-ground luminaire · Surface washer
Asymmetrical flat beam light distribution

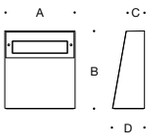
On-ground luminaire for light from a very low mounting height.
The asymmetrical flat beam light distribution is suitable for glare-free illumination of ground surfaces even far ahead of where the luminaire is installed.
Luminaires for the spatial illumination of driveways and wide footpaths, or for delimiting square-like areas.
These luminaires are characterised by a robust design made of cast aluminium and by cost-effective and durable LED technology.

These BEGA on-ground luminaires can be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

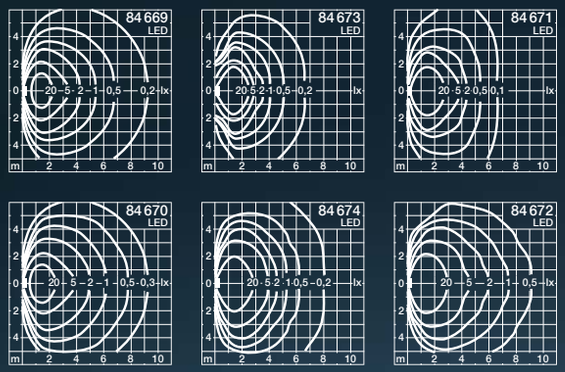
Luminaire luminous flux	845 lm
Connected wattage	14.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



On-ground luminaire · **Asymmetrical flat beam** light distribution

	LED		PSU	A	B	C	D	AC/DC	Anch. unit
84 081	14.5 W	845 lm	DALI	340	375	90	155	✔	**71 890**



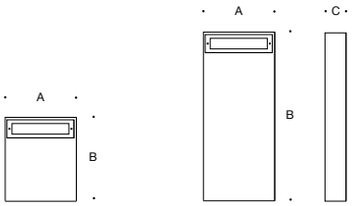


Bollards in two different heights with the same design features, but with different forms of light distribution.

- **Unshielded** light
  These luminaires emit unshielded light into the space. At the same distance, they ensure uniform illumination of ground surfaces, persons as well as architectural elements. Luminaires with a high proportion of vertical illuminance.
- **Asymmetrical flat beam** light distribution
  These luminaires emit their light across the width of the space. The light is directed downwards and is shielded above the horizontal. For the uniform illumination of open spaces and footpaths in the vicinity of the luminaire with a very wide beam of light.
- **Asymmetrical shielded** light distribution
  The light from these luminaires is directed downwards and is completely shielded above the horizontal. The greatest degree of illuminance is generated in the immediate vicinity of the luminaire.
  Luminaires with a high level of visual comfort for the uniform illumination of footpaths and surfaces with maximum glare suppression.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.



Bollards · **Unshielded** light

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 669	13.8 W	905 lm	DALI	Terminals 5 × 4□	340	400	100	✔	**71 890**
84 670	13.8 W	905 lm	DALI	70 632	340	800	100	✔	**71 890**

Bollards · **Asymmetrical flat beam** light distribution

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 673	13.8 W	1025 lm	DALI	Terminals 5 × 4□	340	400	100	✔	**71 890**
84 674	13.8 W	1025 lm	DALI	70 632	340	800	100	✔	**71 890**

Bollards · **Asymmetrical shielded** light distribution

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 671	13.8 W	1100 lm	DALI	Terminals 5 × 4□	340	400	100	✔	**71 890**
84 672	13.8 W	1100 lm	DALI	70 632	340	800	100	✔	**71 890**



Unshielded light



Asymmetrical flat beam
light distribution

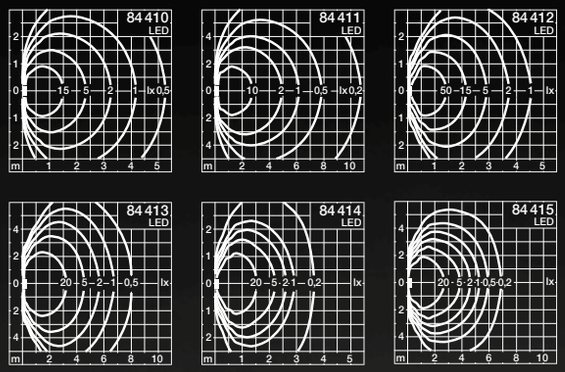


Asymmetrical shielded light distribution

Luminaire data

Luminaire luminous flux	905 to 1100 lm
Connected wattage	13.8 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



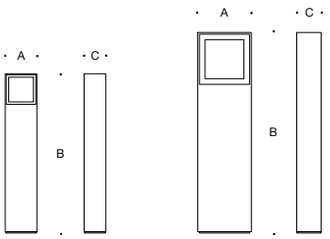


Bollards in two different heights with the same design features, but with different forms of light distribution.

- **Unshielded** light
  These luminaires emit unshielded light into the space. At the same distance, they ensure uniform illumination of ground surfaces, persons as well as architectural elements. Luminaires with a high proportion of vertical illuminance.
- **Asymmetrical flat beam** light distribution
  These luminaires emit their light across the width of the space. The light is directed downwards and is shielded above the horizontal. For the uniform illumination of open spaces and footpaths in the vicinity of the luminaire with a very wide beam of light.
- **Asymmetrical shielded** light distribution
  The light from these luminaires is directed downwards and is completely shielded above the horizontal. The greatest degree of illuminance is generated in the immediate vicinity of the luminaire.
  Luminaires with a high level of visual comfort for the uniform illumination of footpaths and surfaces with maximum glare suppression.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.



Bollards · **Unshielded** light

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 410	3.9 W	320 lm	on/off	70 632	160	800	110	✔	**71 178**
84 411	10.8 W	830 lm	DALI	71 084	270	1000	120	✔	**71 890**

Bollards · **Asymmetrical flat beam** light distribution

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 412	4.0 W	400 lm	on/off	70 632	160	800	110	✔	**71 178**
84 413	13.5 W	1710 lm	DALI	71 084	270	1000	120	✔	**71 890**

Bollards · **Asymmetrical shielded** light distribution

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 414	4.0 W	265 lm	on/off	70 632	160	800	110	✔	**71 178**
84 415	13.5 W	1110 lm	DALI	71 084	270	1000	120	✔	**71 890**



Unshielded light



Asymmetrical flat beam
light distribution



Asymmetrical shielded light distribution







Luminaire data

Luminaire luminous flux	265 to 1710 lm
Connected wattage	3.9 to 13.5 W
Protection class	IP 65

Cast aluminium, aluminium and
stainless steel
Safety glass
Reflector made of pure anodised aluminium

On/off or DALI-controllable
power supply units

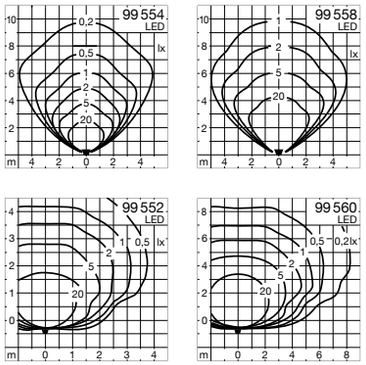
BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite

20-year availability guarantee for
LED modules





Bollards
Spatial or flat beam illumination of horizontal surfaces

Bollards with the same design features but with different light distribution.

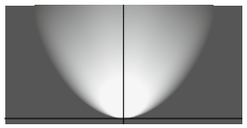
- **Spatial illumination**
  These luminaires emit their light into the depth of the space. The light is directed downwards and is shielded above the horizontal.
  Luminaires for a high degree of illuminance in the near field and good spatial visual comfort, e.g. for illuminating wide paths and open spaces.
- **Flat beam** light distribution
  These luminaires emit their light across the width of the space. The light is directed downwards and is shielded above the horizontal. For the uniform illumination of open spaces and footpaths in the vicinity of the luminaire with a very wide beam of light.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

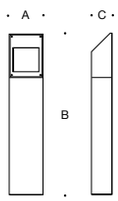
Luminaire luminous flux	425 to 1985 lm
Connected wattage	5.5 to 21.2 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Spatial or flat beam illumination of horizontal surfaces	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Spatial illumination



Flat beam illumination





Bollards for the **spatial illumination of horizontal surfaces**

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
99 554	5.5 W	425 lm	DALI	Terminals 5 × 4□	160	800	110	✔	**70 894**
99 558	14.8 W	1355 lm	DALI	70 632	250	1100	140	✔	**70 895**



Bollards for the **flat beam illumination of horizontal surfaces**

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
99 552	7.5 W	625 lm	DALI	Terminals 5 × 4□	160	800	110	✔	**70 894**
99 560	21.2 W	1985 lm	DALI	70 632	250	1100	140	✔	**70 895**





Bollards
Asymmetrical or flat beam light distribution

New bollards with a striking design for the glare-free illumination of ground surfaces. Robust luminaires that are ideal for illuminating public paths and traffic areas. They are characterised by the availability of two light characteristics as well as their solid and unmistakable design.

- Thanks to their **asymmetrical** light distribution, these luminaires are ideal for the spatial illumination of spaces, such as small open spaces, entrance areas and parking spaces for bicycles and e-bikes.
- **Flat beam** light distribution is the classic form of distribution for paths, entrance areas and anywhere else high uniformity and large light point intervals are required.

These luminaires are equipped with BEGA Thermal Management® to protect against overheating due to excessive ambient temperatures.
BEGA Ultimate Driver® is also a guarantee for premium component quality and the extra-long service life of the power supply units used.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

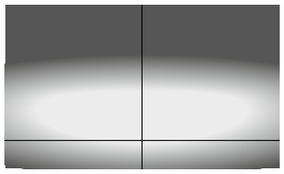
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

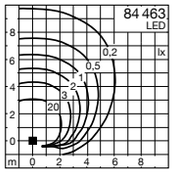
Luminaire luminous flux	1470 · 1840 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	13.6 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical or flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

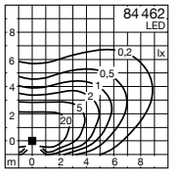


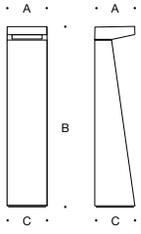
Asymmetrical light distribution



Flat beam light distribution







Bollard · **Asymmetrical** light distribution

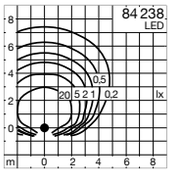
	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 463	13.6 W	1840 lm	DALI	71 084	220 x 220	1000	220 x 220	✔	**70 896**

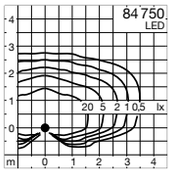
Bollard · **Flat beam** light distribution

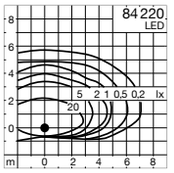
	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
84 462	13.6 W	1470 lm	DALI	71 084	220 x 220	1000	220 x 220	✔	**70 896**











Bollards
Asymmetrical or flat beam light distribution

Shielded bollards for the glare-free illumination of ground surfaces. Luminaires for the spatial or flat beam illumination of horizontal surfaces

- Luminaires with **asymmetrical** light distribution are particularly suitable for the illumination of squares and wide pathways, thanks to their spatial illumination of ground surfaces.
- Luminaires with **flat beam** light distribution can be used to provide general path lighting with luminaires spaced far apart.

Light building elements with the same design features but with different dimensions can be found on Page 434.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

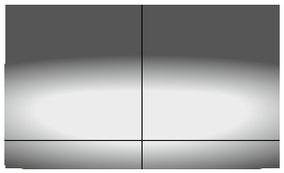
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

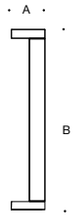
Luminaire luminous flux	655 to 1605 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	7.0 · 13.8 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical or flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical light distribution



Flat beam light distribution



Bollard · **Asymmetrical** light distribution

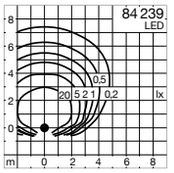
	LED		PSU	Connection	A	B	AC/DC	Anch. unit
84 238	13.8 W	1605 lm	DALI	Terminals 5 × 4□	160 × 160	945	✔	**70 895**

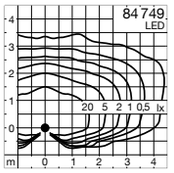
Bollards · **Flat beam** light distribution

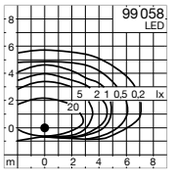
	LED		PSU	Connection	A	B	AC/DC	Anch. unit
84 750	7.0 W	655 lm	DALI	Terminals 5 × 4□	160 × 160	495	✔	**70 895**
84 220	13.8 W	1435 lm	DALI	Terminals 5 × 4□	160 × 160	945	✔	**70 895**











Bollards
Asymmetrical or flat beam light distribution

Shielded bollards for the glare-free illumination of ground surfaces. Luminaires for the spatial or flat beam illumination of horizontal surfaces

- Luminaires with **asymmetrical** light distribution are particularly suitable for the illumination of squares and wide pathways, thanks to their spatial illumination of ground surfaces.
- Luminaires with **flat beam** light distribution can be used to provide general path lighting with luminaires spaced far apart.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

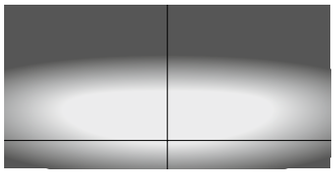
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	665 to 1695 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	7.0 · 13.8 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical or flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical light distribution



Flat beam light distribution





Bollard · **Asymmetrical** light distribution

	LED		PSU	Connection	A	B	AC/DC	Anch. unit
84 239	13.8 W	1695 lm	DALI	Terminals 5 × 4□	Ø 190	1000	✔	**70 895**

Bollards · **Flat beam** light distribution

	LED		PSU	Connection	A	B	AC/DC	Anch. unit
84 749	7.0 W	665 lm	DALI	Terminals 5 × 4□	Ø 190	550	✔	**70 895**
99 058	13.8 W	1415 lm	DALI	Terminals 5 × 4□	Ø 190	1000	✔	**70 895**



Bollards
Shielded light

Shielded bollards with wide beam light distribution for a high degree of illuminance on the ground surface.
The light is directed straight at the surface to be illuminated by a reflector.
They are robust luminaires that can be used to divide and give structure to outdoor spaces. They are particularly suitable for the illumination of squares, entrance areas and driveways.
Light building elements with the same design features but with different dimensions can be found on Page 442.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

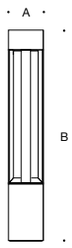
Luminaire data

Luminaire luminous flux	1445 · 1805 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	22.0 · 33.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Shielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Light building elements Page 442

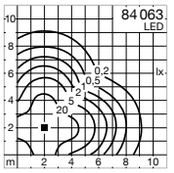




Bollards · **Shielded** light

	LED		PSU	Connection box	A	B	AC/DC	Anch. unit
84 061	22.0 W	1445 lm	DALI	70 632	165	1000	✔	**70 895**
84 062	33.0 W	1805 lm	DALI	70 632	220	1200	✔	**70 896**





Bollard
Shielded light

Shielded bollard with wide beam light distribution for a high degree of illuminance on the ground surface. The light is directed straight at the surface to be illuminated by a reflector. Robust and striking luminaires that can divide up and structure outdoor spaces. They have an orienting, guiding and demarcating function.
For the illumination of squares, entrance areas and driveways.
Light building elements with the same design features but with different dimensions can be found on Page 444.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

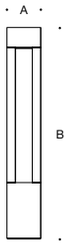
Luminaire data

Luminaire luminous flux	1440 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	21.8 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



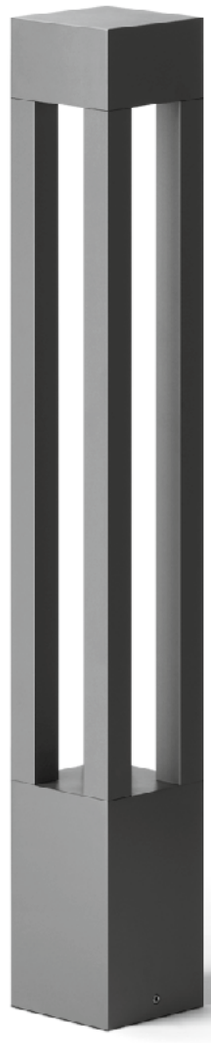
Light building elements Page 444





Bollard · **Shielded** light

	LED		PSU	Connection box	A	B	AC/DC	Anch. unit
84 063	21.8 W	1440 lm	DALI	70 632	160 × 160	1000	✔	**70 895**







Light building elements Page 440

Bollards
Fixed symmetrical light distribution
Or adjustable light distribution

Bollards with fixed symmetrical or adjustable light distribution.

- Luminaire 88 066 features **fixed symmetrical** light distribution.
- Luminaire 88 062 features **adjustable** light distribution. This internal adjustment device allows the optical system to be adjusted to 0°, 15° or 30°.
  This means that symmetrical light distribution with equal proportions of light or different asymmetrical light distributions can be achieved.

Robust and striking luminaires that can divide up and structure outdoor spaces.

Light building elements with the same design features but with different dimensions can be found on Page 440.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

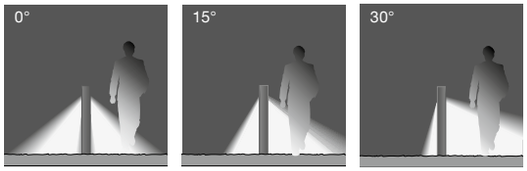
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

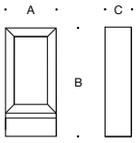
Luminaire luminous flux	600 · 1770 lm
Connected wattage	9.3 · 20.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
88 066 fixed symmetrical light distribution 88 062 optical system Adjustable to 0°, 15° or 30°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



88 066 fixed symmetrical light distribution

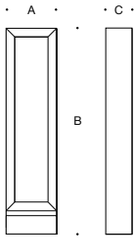


88 062 adjustable light distribution



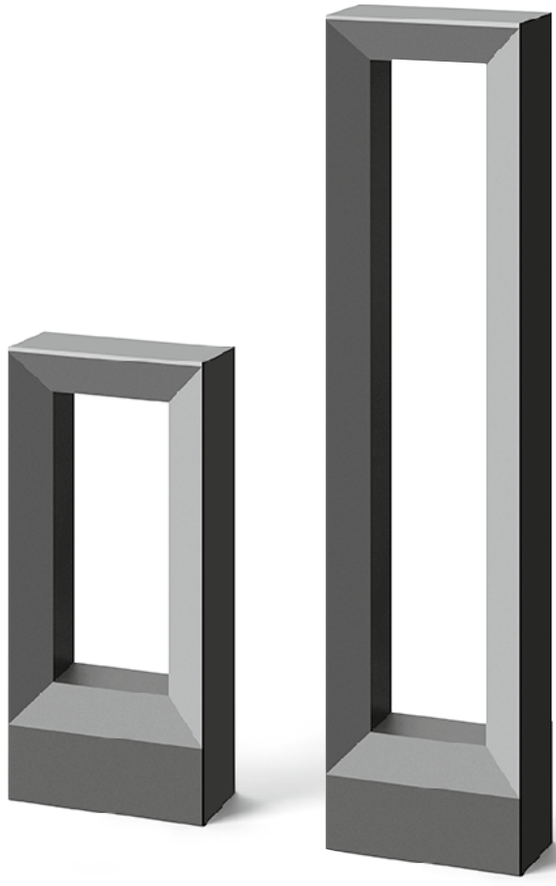
Bollard · **Fixed symmetrical** light distribution

	LED		PSU	Connection	A	B	C	AC/DC	Anch. unit
88 066	9.3 W	600 lm	DALI	Terminals 5 × 4□	270	600	140	✔	**70 895**

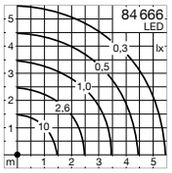


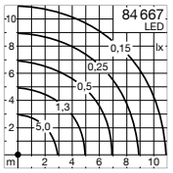
Bollard · **Adjustable** light distribution

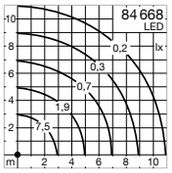
	LED		PSU	Connection	A	B	C	AC/DC	Anch. unit
88 062	20.0 W	1770 lm	DALI	Terminals 5 × 4□	270	1100	140	✔	**70 895**











Bollards
Unshielded light

Unshielded bollards with a square layout and light emission on four sides – illuminating design elements for public areas.
They have an orientating, guiding and demarcating function and are particularly suitable for dividing or giving structure to outdoor spaces and as lighting for footpaths, squares, gardens and access roads.

Wall luminaires that match the shape and design of the luminaires in this series can be found on Page 146 – and matching light building elements on Page 446.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

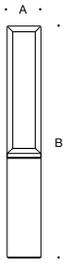
Luminaire luminous flux	850 to 3170 lm
Connected wattage	9.6 to 35.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cover, white	
DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Light building elements Page 446



Wall luminaires Page 146

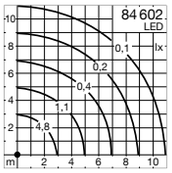


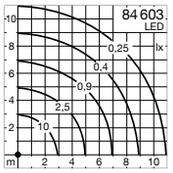
Bollards · **Unshielded** light

	LED		PSU	Connection boxes	A	B	AC/DC	Anch. unit
84 666	9.6 W	850 lm	DALI	Terminals 5 × 4□	120 × 120	800	✔	**70 894**
84 667	25.5 W	2550 lm	DALI	70 632	160 × 160	1100	✔	**70 895**
84 668	35.0 W	3170 lm	DALI	70 632	220 × 220	1200	✔	**70 896**









Bollards
Unshielded light

Unshielded bollards with rotationally symmetrical light distribution.
A white impact-resistant synthetic cylinder ensures uniform distribution of the light. Robust luminaires that can divide up and structure outdoor spaces. They have an orienting, guiding and demarcating function. Luminaires for the illumination of footpaths, squares, gardens and driveways.

These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order anchorage units as separate accessories. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2020 · 2800 lm
Connected wattage	17.6 · 36.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cover, white	
DALI-controllable power supply units	
BEGA Thermal Management®	
Unshielded light	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





Bollards · **Unshielded** light

	LED		PSU	Connection boxes	A	B	AC/DC	Anch. unit
84 602	17.6 W	2020 lm	DALI	Terminals 5 × 4□	160	850	✔	**70 895**
84 603	36.0 W	2800 lm	DALI	70 632	230	1100	✔	**70 896**





Garden and pathway luminaires
Unshielded light on one or two sides

Unshielded luminaires for illuminating footpaths and entrance areas in garden and residential areas.
In order to meet the various lighting requirements, we can supply these luminaires with light emission on one or two sides.
Luminaires that are impressive at night with their vertical light surfaces and convincing during the day with their high-contrast design. Suitable for private and public areas where there is no risk of vandalism.

These BEGA garden and pathway luminaires are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit.
Please order the anchorage unit as separate accessory.
Additional information on BEGA anchorage units can be found on Page 583.

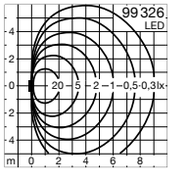
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

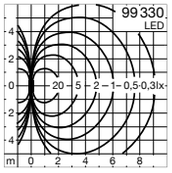
Luminaire data

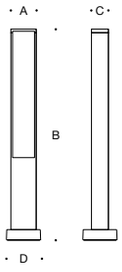
Luminaire luminous flux	815 · 1645 lm
Connected wattage	13.5 · 26.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Light building elements Page 432





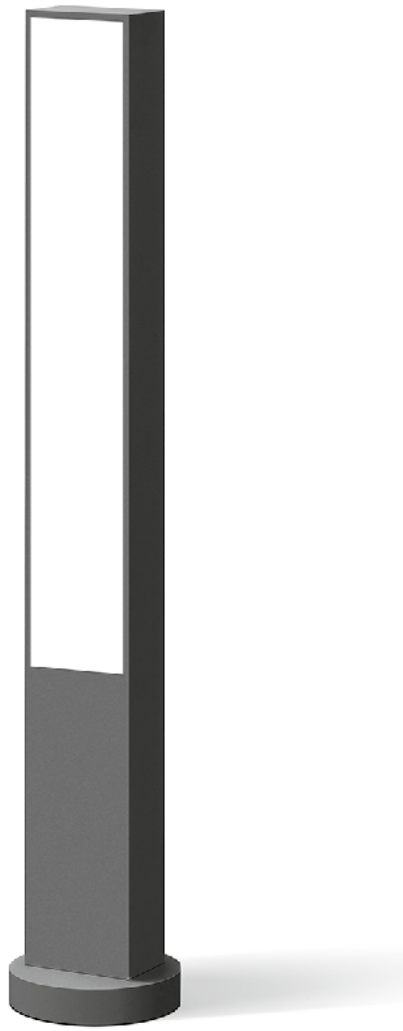


Garden and pathway luminaire · **One-sided**

	LED		PSU	Connection	A	B	C	D	AC/DC	Anch. unit
99 326	13.5 W	815 lm	on/off	Terminals 3 × 4□	120	1000	80	160	✔	**70 895**

Garden and pathway luminaire · **Two-sided**

	LED		PSU	Connection	A	B	C	D	AC/DC	Anch. unit
99 330	26.5 W	1645 lm	on/off	Terminals 3 × 4□	120	1000	80	160	✔	**70 895**





Garden and pathway luminaires
Unshielded light

These garden and pathway luminaires with unshielded light are available in two heights. The luminaires have a square layout.
A striking frame encompasses the thick-walled luminaire glass without impairing the light emission.
Garden and pathway luminaires for many areas of garden and landscape architecture where there is no risk of vandalism.

Cost-effective and durable luminaires thanks to modern LED technology with a warm white colour temperature of 3000 K.

You can optionally order the luminaires:
• With anchorage unit
• With screw-on base
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

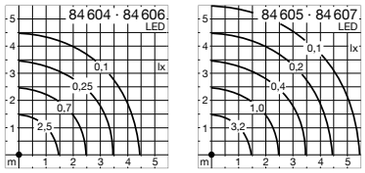
If through-wiring to a further luminaire is required, we recommend using BEGA distribution boxes. Additional information on BEGA distribution boxes can be found on Page 581.

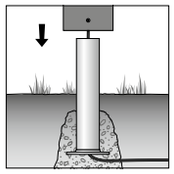
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

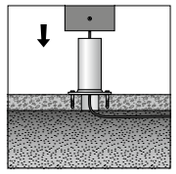
Luminaire data

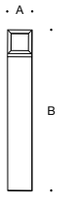
Luminaire luminous flux	260 lm
Connected wattage	4.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Crystal glass, inside white	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	






Anchorage unit

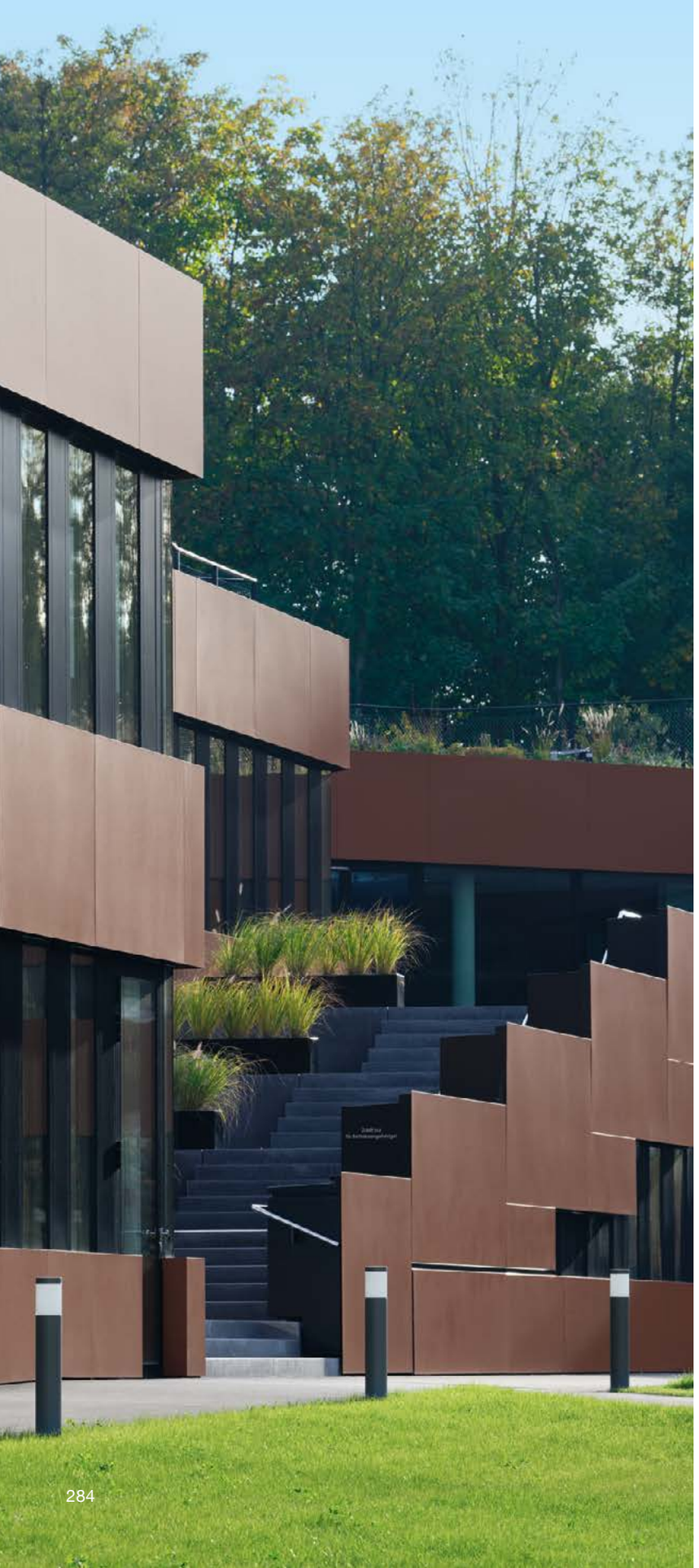

Screw-on base

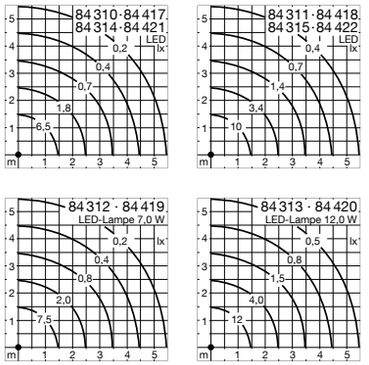




Garden and pathway luminaires

With anch. unit	With Screw-on base	LED		PSU	Connection	A	B	AC/DC
84 604	**84 606**	4.0 W	260 lm	on/off	Terminals 3 × 2.5□	120 × 120	400	✔
84 605	**84 607**	4.0 W	260 lm	on/off	Terminals 3 × 2.5□	120 × 120	800	✔





Garden and pathway luminaires
Unshielded · Light emission 360°
With optional PIR motion and light sensor

Garden and pathway luminaires for unshielded light, with hand-blown, three-ply opal glass and pleasantly uniform light effects. Luminaires for private and public areas where there is no risk of vandalism.

Luminaires with **passive infrared motion and light sensor** react to thermal radiation in the dark, switching on when people or animals move in the vicinity of the luminaire. They are parametrised via Bluetooth® and the free BEGA Tool app. This allows individual light levels to be easily and conveniently defined for certain modes.

You can optionally order the luminaires:
• With anchorage unit
• With screw-on base
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

Luminaires in this series with safety guard can be found on Page 348.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

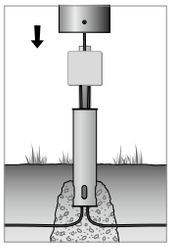
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

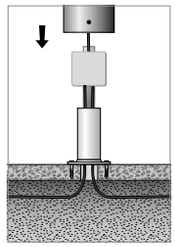
Luminaire luminous flux	460 to 880 lm
Connected wattage	5.0 to 12.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Opal glass with thread	
Luminaires with LED module: on/off or DALI-controllable power supply units BEGA Thermal Management®	
Unshielded · Light emission 360°	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



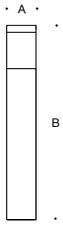
PIR motion and
light sensor



Anchorage unit



Screw-on base



Light emission 360° · Unshielded

With anch. unit	with Screw-on base	LED		PSU	Connection	A	B	AC/DC
84 310	**84 417**	5.0 W	460 lm	on/off	Terminals 3 × 4□	110	730	✔
84 311	**84 418**	10.0 W	730 lm	DALI	Terminals 5 × 4□	140	900	✔
		LED lamp included		Base				
84 312	**84 419**	1 × 7.0 W	510 lm	E 27	Terminals 3 × 4□	110	730	—
84 313	**84 420**	1 × 12.0 W	880 lm	E 27	Terminals 3 × 4□	140	900	—

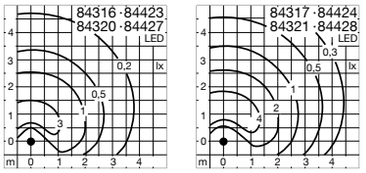
Light emission 360° · Unshielded · **With PIR motion and light sensor**

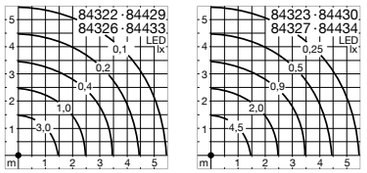
With anch. unit	with Screw-on base	LED		PSU	Connection	A	B	AC/DC
84 314	**84 421**	5.4 W	460 lm	on/off	Terminals 4 × 4□	110	730	—
84 315	**84 422**	10.4 W	730 lm	on/off	Terminals 4 × 4□	140	900	—

Technical data for BEGA LED lamps can be found on Page 564.









Garden and pathway luminaires
With safety guard · Light emission 180° or 360°
With optional PIR motion and light sensor

Garden and pathway luminaires with a safety guard and light emission of 180° or 360°.
The hand-blown, three-ply opal glass has a pleasantly uniform light effect. Luminaires for private and public areas where there is no risk of vandalism.

Luminaires with **passive infrared motion and light sensor** react to thermal radiation in the dark, switching on when people or animals move in the vicinity of the luminaire. They are parametrised via Bluetooth® and the free BEGA Tool app. This allows individual light levels to be easily and conveniently defined for certain modes.

You can optionally order the luminaires:
• With anchorage unit
• With screw-on base
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

Luminaires in this series without safety guard can be found on Page 346.

We supply the luminaires with built-in LED modules or with an E 14 or E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

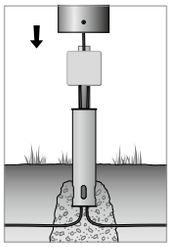
Luminaire data

Luminaire luminous flux	55 to 350 lm
Connected wattage	4.0 to 10.4 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Opal glass with thread	
Luminaires with LED module: on/off or DALI-controllable power supply units BEGA Thermal Management®	
With safety guard Light emission 180° or 360°	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

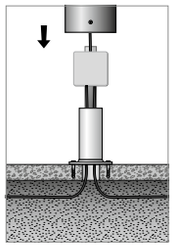




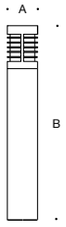
PIR motion and light sensor



Anchorage unit



Screw-on base



Light emission 180° · With safety guard

With anch. unit	with Screw-on base	LED		PSU	Connection	A	B	AC/DC
84 316	**84 423**	5.0 W	100 lm	on/off	Terminals 3 × 4□	110	730	✔
84 317	**84 424**	10.0 W	180 lm	DALI	Terminals 5 × 4□	140	900	✔
		LED lamp included		Base				
84 318	**84 425**	1 × 4.0 W	55 lm	E 14	Terminals 3 × 4□	110	730	—
84 319	**84 426**	1 × 8.0 W	125 lm	E 27	Terminals 3 × 4□	140	900	—

Light emission 180° · With safety guard · **With PIR motion and light sensor**

With anch. unit	with Screw-on base	LED		PSU	Connection	A	B	AC/DC
84 320	**84 427**	5.4 W	100 lm	on/off	Terminals 4 × 4□	110	730	—
84 321	**84 428**	10.4 W	180 lm	on/off	Terminals 4 × 4□	140	900	—

Light emission 360° · With safety guard

With anch. unit	with Screw-on base	LED		PSU	Connection	A	B	AC/DC
84 322	**84 429**	5.0 W	190 lm	on/off	Terminals 3 × 4□	110	730	✔
84 323	**84 430**	10.0 W	350 lm	DALI	Terminals 5 × 4□	140	900	✔
		LED lamp included		Base				
84 324	**84 431**	1 × 4.0 W	115 lm	E 14	Terminals 3 × 4□	110	730	—
84 325	**84 432**	1 × 8.0 W	240 lm	E 27	Terminals 3 × 4□	140	900	—

Light emission 360° · With safety guard · **With PIR motion and light sensor**

With anch. unit	with Screw-on base	LED		PSU	Connection	A	B	AC/DC
84 326	**84 433**	5.4 W	190 lm	on/off	Terminals 4 × 4□	110	730	—
84 327	**84 434**	10.4 W	350 lm	on/off	Terminals 4 × 4□	140	900	—



Technical data for BEGA LED lamps can be found on Page 564.



Garden and pathway luminaires
Shielded light

Luminaires in two different mounting heights that are perfect for various situations along pathways and terraces in private gardens and house entrances where uniform, glare-free light is required.
The shielded light is exclusively directed onto the ground surfaces and the direct surroundings beneath the luminaire.
An ideal way of illuminating pathways, surfaces and flower beds with high visual comfort.
Cost-effective and efficient LED technology makes them low-maintenance and modern luminaires for your garden architecture.

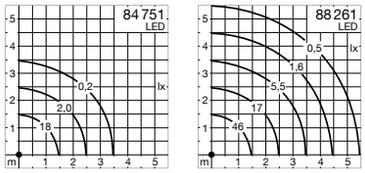
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

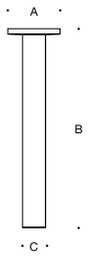
These BEGA garden and pathway luminaires are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	955 · 1865 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	9.4 · 17.4 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







Garden and pathway luminaires

	LED		PSU	Connection	A	B	C	AC/DC	Anch. unit
84 751	9.4 W	955 lm	DALI	Terminals 5 × 4□	250	550	110	✔	**70 894**
88 261	17.4 W	1865 lm	DALI	Terminals 5 × 4□	250	950	110	✔	**70 894**



Garden and pathway luminaires
Shielded light in a single and double arrangement

Garden and pathway luminaires in a single and double arrangement. Glare-free luminaires with a high degree of visual comfort for the uniform illumination of ground surfaces.
The symmetrical, wide beam light distribution is particularly suitable for the illumination of pathways and entrance areas in private and public spaces where there is no risk of vandalism.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

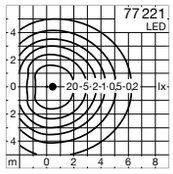
Luminaires that match the design and construction of the luminaires in this series can be found on Page 300.

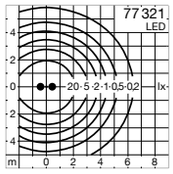
These BEGA garden and pathway luminaires are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit.
Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

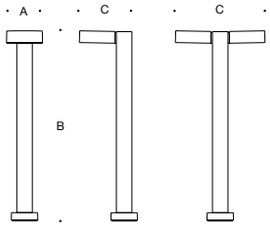
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	780 · 1520 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	10.0 · 20.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Light deflection through synthetic cover with optical texture	
DALI-controllable power supply units	
BEGA Thermal Management®	
Symmetrical very wide beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	









Garden and pathway luminaire · **Single**

	LED		PSU	Connection	A	B	C	AC/DC	Anch. unit
77 221	10.0 W	780 lm	DALI	Terminals 5 × 4□	190	1000	275	✔	**70 895**



Garden and pathway luminaire · **Double**

	LED		PSU	Connection	A	B	C	AC/DC	Anch. unit
77 321	20.0 W	1520 lm	DALI	Terminals 5 × 4□	190	1000	475	✔	**70 895**







Garden and pathway luminaires
Asymmetrical or asymmetrical flat beam light distribution

Surface washers for the uniform illumination of ground surfaces. The luminaire housing is adjustable, allowing the light distribution to be adapted to the requirements of the installation site.
LED surface washers for many areas of garden and landscape architecture where there is no risk of vandalism.

- **Asymmetrical light distribution** is used for the spatial illumination of entrance areas and driveways.
- **Asymmetrical flat beam light distribution** allows the luminaires to be spaced far apart and is particularly suitable for illuminating footpaths.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

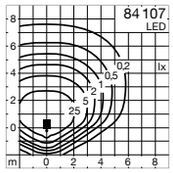
Pole-top luminaires that match the design and construction of the luminaires in this series can be found on Page 426.

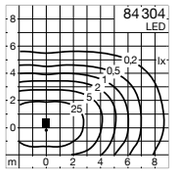
These BEGA surface washers are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

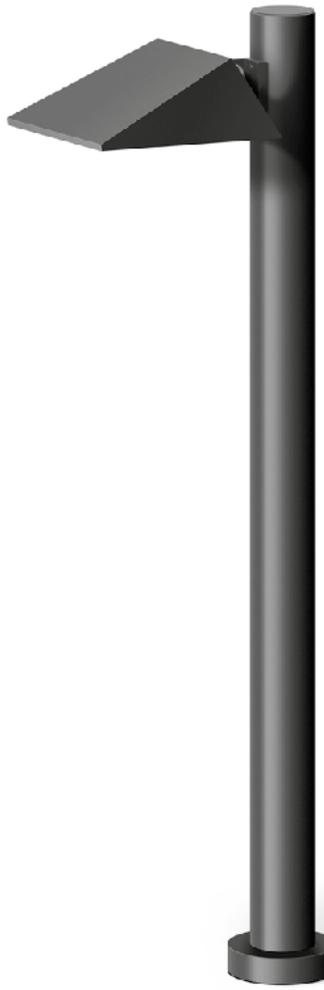
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

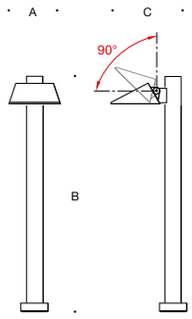
Luminaire data

Luminaire luminous flux	2055 · 2660 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	16.0 · 22.2 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Infinitely adjustable attack angle from 0° to 90°	
Asymmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







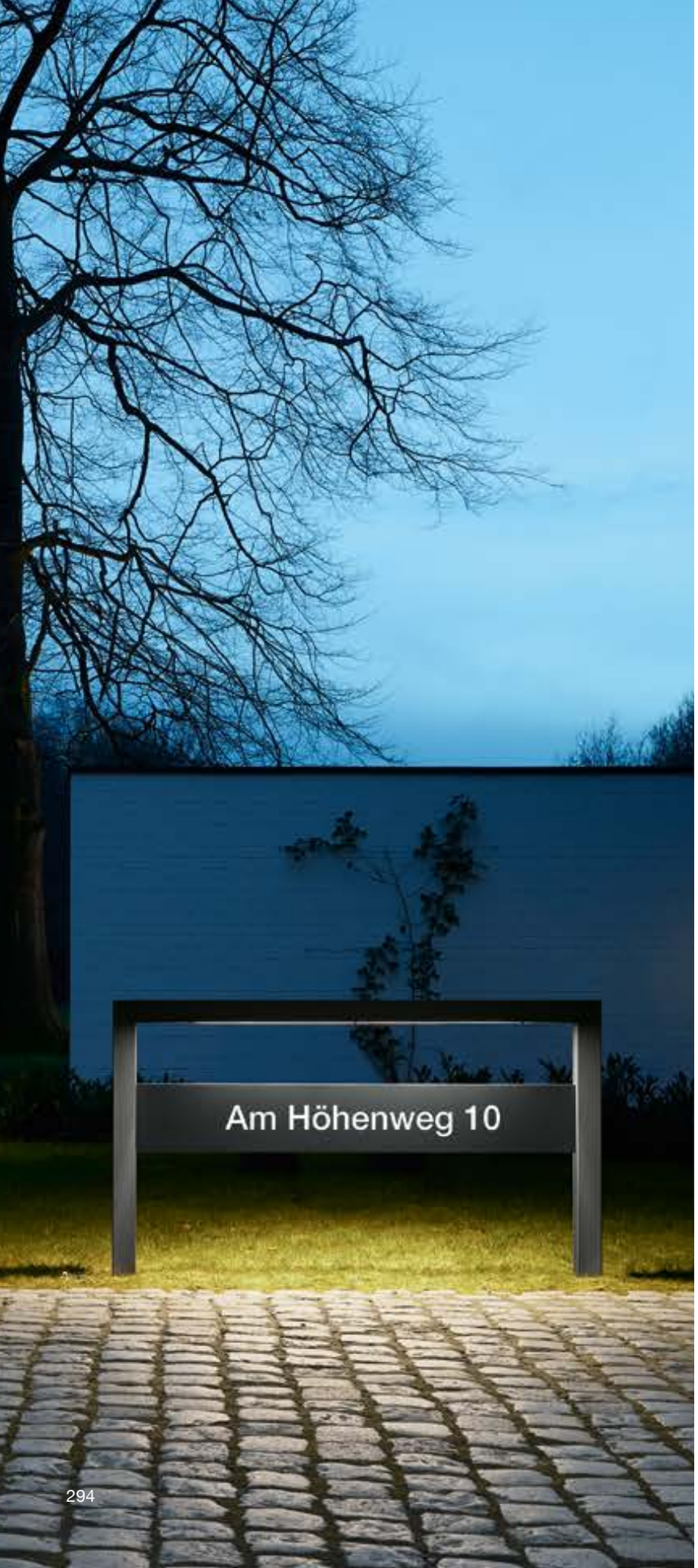


Surface washer · **Asymmetrical** light distribution

	LED		PSU	Connection	A	B	C	AC/DC	Anch. unit
84 107	22.2 W	2660 lm	DALI	Terminals 5 × 4□	260	1200	360	✔	**70 895**

Surface washer · **Asymmetrical flat beam** light distribution

	LED		PSU	Connection	A	B	C	AC/DC	Anch. unit
84 304	16.0 W	2055 lm	DALI	Terminals 5 × 4□	260	1200	360	✔	**70 895**





Pathway luminaire · Indication luminaire

As a design alternative to bollards, these luminaires enable the illumination of pathways, entrances and driveways.
In addition, they can perform a guiding and structuring function in traffic areas.
The shielded light of the luminaires is emitted along the entire length of the cross beam and illuminates the ground surface below it – in the indication luminaire version, the sign is illuminated as well.

Indication luminaires can be supplied with signs complete with individual lettering, symbols and logos. Indication luminaires allow fast and reliable orientation and make it possible to find an address by day and by night.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These BEGA pathway or indication luminaires are screwed onto a BEGA anchorage unit.
The anchorage unit is included in the delivery.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	3655 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	53.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass With anchorage unit for installation in soil	
99 069 Lettering on one or two sides Sign height 150 to 350 mm	
DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

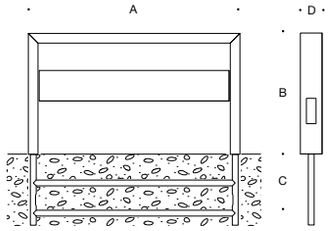


Pathway luminaire



Indication luminaire with
sign illuminated from above





Pathway luminaire

	LED		PSU	Connection box	A	B	C	D
99 061	53.0 W	3655 lm	DALI	70 632	1755	1000	600	180 × 80

Indication luminaire · **With sign illuminated from above**

	LED		PSU	Connection box	A	B	C	D
99 069	53.0 W	3655 lm	DALI	70 632	1755	1000	600	180 × 80





Garden and pathway luminaires for private use
Shielded light

Compact luminaires in two sizes for many situations on footpaths and terraces in private gardens and house entrances. They illuminate ground surfaces glare-free and uniformly from a low height. Cost-effective and efficient LED technology makes them low-maintenance and modern luminaires for your garden architecture.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Cost-effective and durable luminaires thanks to modern LED technology with a warm white colour temperature of 3000 K.

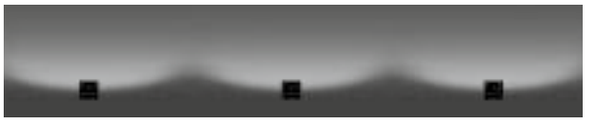
You can optionally order the luminaires:
• With anchorage unit
• With mounting plate
Additional information on BEGA anchorage units can be found on Page 581.

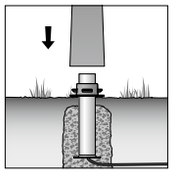
If through-wiring to a further luminaire is required, we recommend using BEGA distribution boxes. Additional information on BEGA distribution boxes can be found on Page 581.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

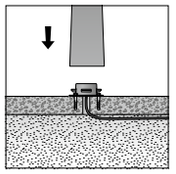
Luminaire data

Luminaire luminous flux	235 · 850 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	4.9 · 13.6 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
On/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

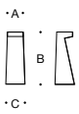




Anchorage unit

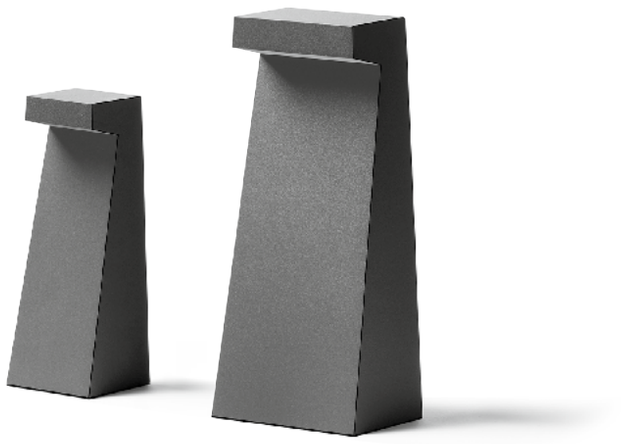


Mounting plate



Garden and pathway luminaires

		LED		PSU	A	B	C	AC/DC
77 276	With anchorage unit	4.9 W	235 lm	on/off	70 × 70	250	90 × 90	✔
77 277	With mounting plate	4.9 W	235 lm	on/off	70 × 70	250	90 × 90	✔
84 108	With anchorage unit	13.6 W	850 lm	on/off	125 × 85	355	150 × 110	✔
84 176	With mounting plate	13.6 W	850 lm	on/off	125 × 85	355	150 × 110	✔





Garden and pathway luminaires for private use
Unshielded light

These luminaires create a pleasant light effect on footpaths, terraces and flowerbeds, as well as in house entrance areas. They evenly illuminate their immediate surroundings with unshielded light. The glass body, made of high-quality three-ply opal glass, distributes the light in an unshielded manner and is optionally available in the shape of a sphere or cylinder.

Cost-effective and durable luminaires thanks to modern LED technology with a warm white colour temperature of 3000 K.

You can optionally order the luminaires:
• With anchorage unit
• With screw-on base
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

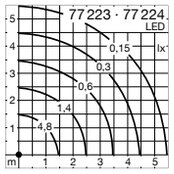
The luminaires are suitable for through-wiring.

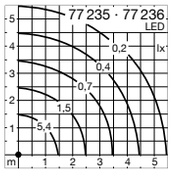
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

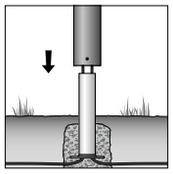
Luminaire data

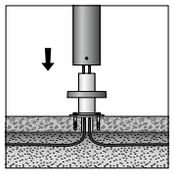
Luminaire luminous flux	450 · 540 lm
Connected wattage	5.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Opal glass with thread	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

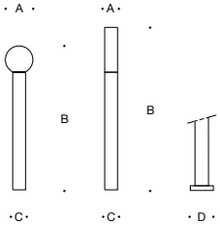







Anchorage unit


Screw-on base





Garden luminaires · **Sphere**

		LED		PSU	Connection	A	B	C	D	AC/DC
77 223	With anchorage unit	5.0 W	540 lm	on/off	Terminals 3 × 4□	150	800	70	—	✔
77 224	With screw-on base	5.0 W	540 lm	on/off	Terminals 3 × 4□	150	800	70	110	✔

Garden luminaires · **Cylinder**

		LED		PSU	Connection	A	B	C	D	AC/DC
77 235	With anchorage unit	5.0 W	450 lm	on/off	Terminals 3 × 4□	70	900	70	—	✔
77 236	With screw-on base	5.0 W	450 lm	on/off	Terminals 3 × 4□	70	900	70	110	✔



Garden and pathway luminaires for private use
Shielded wide beam light

Two luminaires that are perfect for various situations along pathways and terraces in private gardens and house entrances where uniform, glare-free light is required.
The shielded light is exclusively directed onto the ground surfaces and the direct surroundings beneath the luminaire.
An ideal way of illuminating pathways, surfaces and flower beds with high visual comfort. Cost-effective and efficient LED technology makes them low-maintenance and modern luminaires for your garden architecture.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Cost-effective and durable luminaires thanks to modern LED technology with a warm white colour temperature of 3000 K.

You can optionally order the luminaires:
• With anchorage unit
• With screw-on base
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

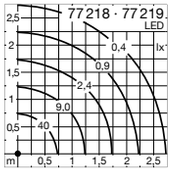
The luminaires are suitable for through-wiring.

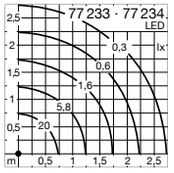
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

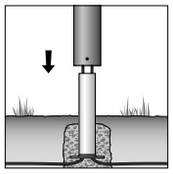
Luminaire data

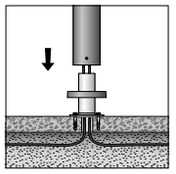
Luminaire luminous flux	155 · 365 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	4.9 · 5.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Light deflection through synthetic cover with optical texture	
BEGA Ultimate Driver® · on/off	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

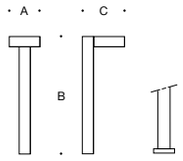






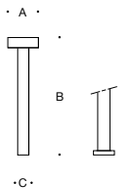

Anchorage unit


Screw-on base



Garden and pathway luminaires

		LED		PSU	Connection	A	B	C	D	AC/DC
77 218	With anchorage unit	4.9 W	365 lm	on/off	Terminals 3 × 4□	160	700	230	—	✔
77 219	With screw-on base	4.9 W	365 lm	on/off	Terminals 3 × 4□	160	700	230	110	✔



Garden and pathway luminaires

		LED		PSU	Connection	A	B	C	D	AC/DC
77 233	With anchorage unit	5.0 W	155 lm	on/off	Terminals 3 × 4□	160	700	70	—	✔
77 234	With screw-on base	5.0 W	155 lm	on/off	Terminals 3 × 4□	160	700	70	110	✔





Garden and pathway luminaires for private use

Garden and pathway luminaires with downward-directed light.

- Luminaires 77 263 and 77 264 produce **flat beam, downward-directed** light that is ideal for the illumination of pathways and house entrance areas or for delimiting seating areas in the garden, for example.
- Luminaires 77 239 and 77 249 feature **symmetrical, downward-directed** light that illuminates the ground surfaces directly in front of the installation point. They produce a high degree of illuminance on the ground in the immediate vicinity of the luminaires and are suitable for highlighting potential hazards, for example on stairs, or for the atmospheric illumination of seating areas.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

The economical and efficient LED technology makes these luminaires low-maintenance and contemporary luminaires for your garden architecture. The colour temperature corresponds to 3000 K warm white.

You can optionally order the luminaires:
- With anchorage unit
- With screw-on base

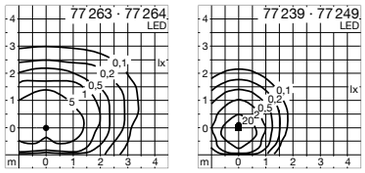
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

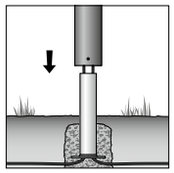
The luminaires are suitable for through-wiring.

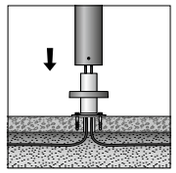
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

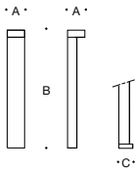
Luminaire data

Luminaire luminous flux	145 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	2.5 · 2.7 W
77 263 · 77 264 Protection class	IP 65
77 239 · 77 249 Protection class	IP 64
Cast aluminium, aluminium and stainless steel	
Safety glass	
77 239 · 77 249 Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · on/off	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number	
Silver – article number + **A**	
20-year availability guarantee for LED modules	



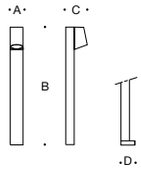

Anchorage unit


Screw-on base



Garden and pathway luminaires · **Downward-directed flat beam** light

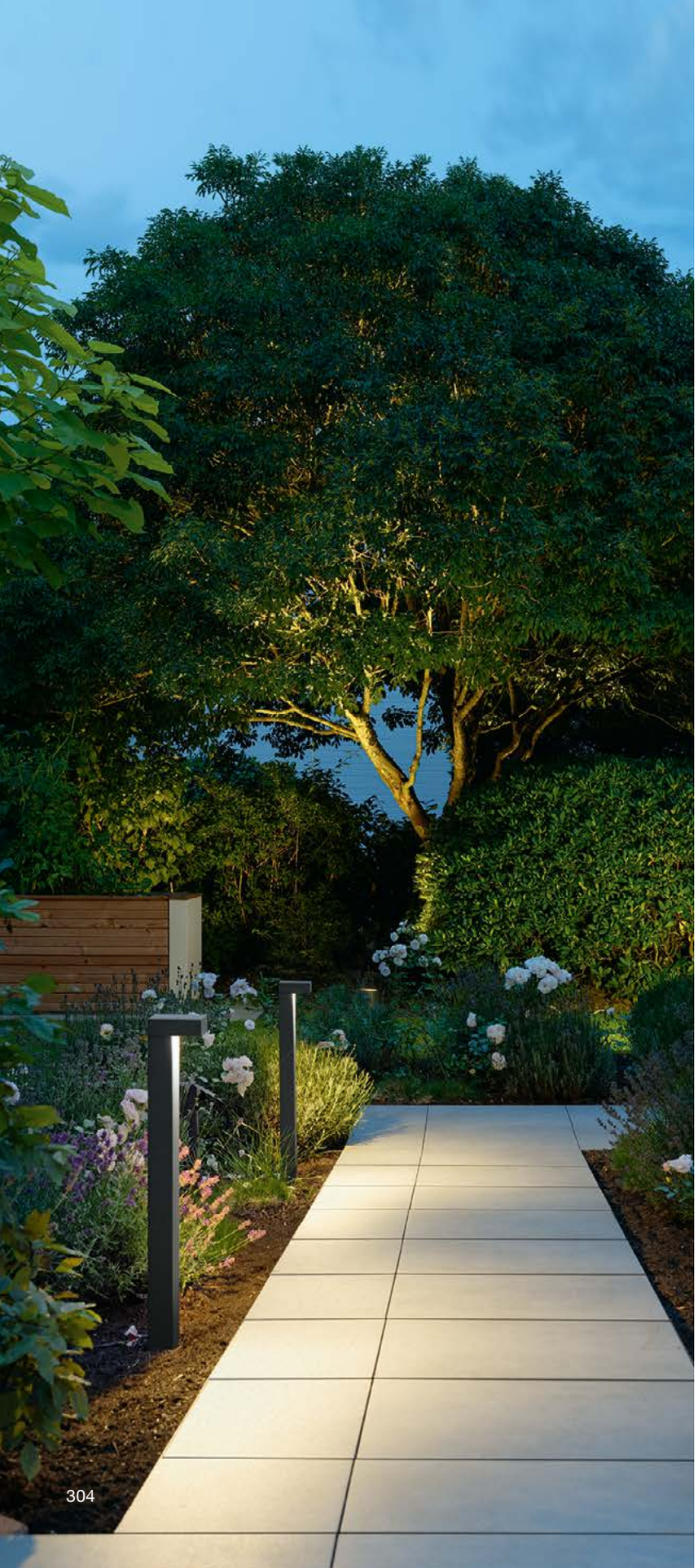
		LED		PSU	Connection	A	B	C	AC/DC
77 263	With anchorage unit	2.7 W	145 lm	on/off	Terminals 3 × 4□	110	700	—	✔
77 264	With screw-on base	2.7 W	145 lm	on/off	Terminals 3 × 4□	110	700	110	✔



Garden and pathway luminaires · **Symmetrical downward-directed** light

		LED		PSU	Connection	A	B	C	D	AC/DC
77 239	With anchorage unit	2.5 W	145 lm	on/off	Terminals 3 × 4□	75	700	125	—	✔
77 249	With screw-on base	2.5 W	145 lm	on/off	Terminals 3 × 4□	75	700	125	65	✔







Garden and pathway luminaires for private use

Garden and pathway luminaires with downward-directed light.

- Luminaires 84 218 and 84 228 produce **flat beam, downward-directed** light that is ideal for the illumination of pathways and house entrance areas or for delimiting seating areas in the garden, for example.
- Luminaires 77 237 and 77 238 feature **symmetrical, downward-directed** light that illuminates the ground surfaces directly in front of the installation point. They produce a high degree of illuminance on the ground in the immediate vicinity of the luminaires and are suitable for highlighting potential hazards, for example on stairs, or for the atmospheric illumination of seating areas.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Cost-effective and efficient LED technology makes them low-maintenance and modern luminaires for your garden architecture. The colour temperature corresponds to 3000 K warm white.

You can optionally order the luminaires:
- With anchorage unit
- With screw-on base

Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

The luminaires are suitable for through-wiring.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	135 · 310 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	2.7 · 5.3 W
84 218 · 84 228 Protection class	IP 65
77 237 · 77 238 Protection class	IP 64

Cast aluminium, aluminium and stainless steel

Safety glass

84 218 · 84 228 Reflector made of pure anodised aluminium

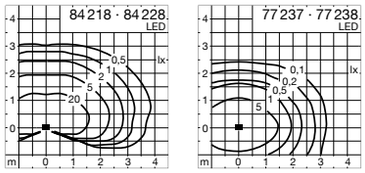
BEGA Ultimate Driver® · on/off

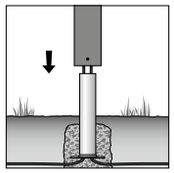
BEGA Thermal Management®

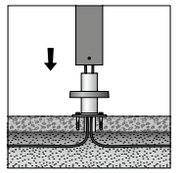
LED colour temperature
3000 K – article number + **K3**

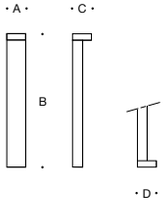
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules



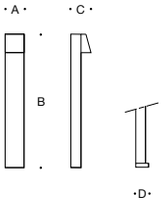

Anchorage unit


Screw-on base



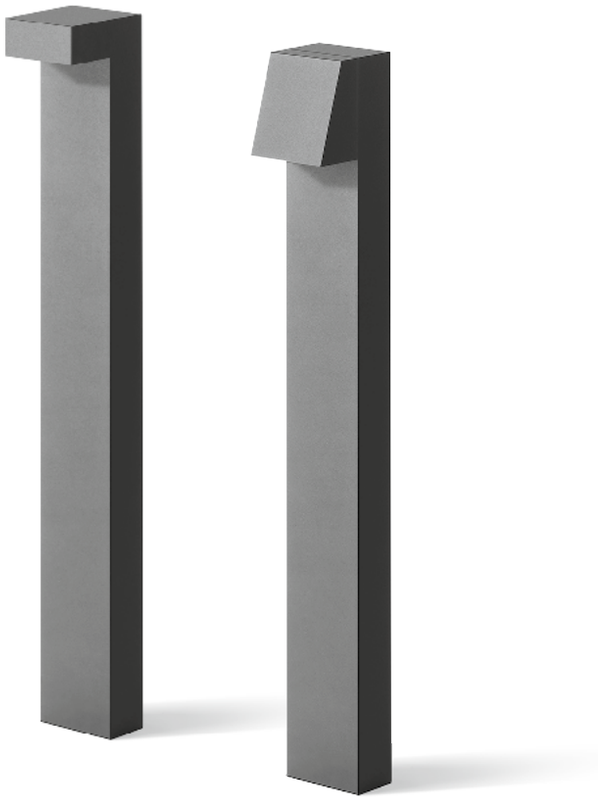
Garden and pathway luminaires · **Downward-directed flat beam light**

		LED		PSU	Connection	A	B	C	D	AC/DC
84 218	With anchorage unit	5.3 W	310 lm	on/off	Terminals 3 × 4□	110	700	110	–	✔
84 228	With screw-on base	5.3 W	310 lm	on/off	Terminals 3 × 4□	110	700	110	110	✔



Garden and pathway luminaires · **Symmetrical downward-directed light**

		LED		PSU	Connection	A	B	C	D	AC/DC
77 237	With anchorage unit	2.7 W	135 lm	on/off	Terminals 3 × 4□	90	700	105	–	✔
77 238	With screw-on base	2.7 W	135 lm	on/off	Terminals 3 × 4□	90	700	105	65	✔







Garden and pathway luminaires for private use
Directed light or unshielded light on one side

Two garden and pathway luminaires for the private garden, house entrance and various other lighting applications on pathways and patios.

- The **directed** light from luminaires 77 265 and 77 266 creates an impressive light graphic on both sides of the luminaire, depending on the ambient brightness.
- The light from luminaires 77 246 and 77 247, **unshielded on one side,** is ideal for lighting situations with low ambient brightness that require light on one side only.

Cost-effective and durable luminaires thanks to modern LED technology with a warm white colour temperature of 3000 K.

You can optionally order the luminaires:
- With anchorage unit
- With screw-on base

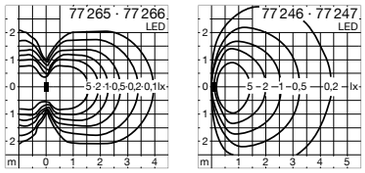
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

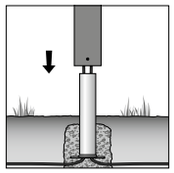
The luminaires are suitable for through-wiring.

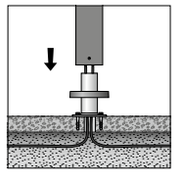
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

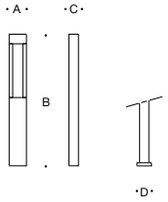
Luminaire data

Luminaire luminous flux	140 · 170 lm
Connected wattage	2.4 · 5.3 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	




Anchorage unit

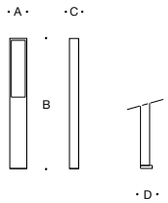

Screw-on base

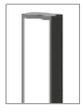




Garden and pathway luminaires · **Directed** light

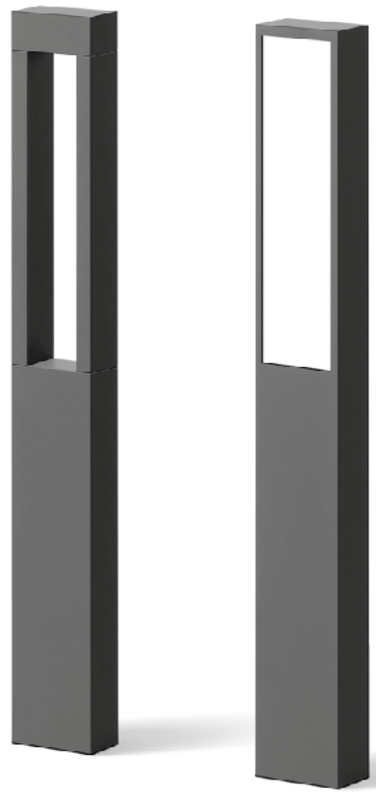
		LED		PSU	Connection	A	B	C	D	AC/DC
77 265	With anchorage unit	5.3 W	170 lm	on/off	Terminals 3 × 4□	90	700	50	—	✔
77 266	With screw-on base	5.3 W	170 lm	on/off	Terminals 3 × 4□	90	700	50	80	✔





Garden and pathway luminaires · **Unshielded** light **on one side**

		LED		PSU	Connection	A	B	C	D	AC/DC
77 246	With anchorage unit	2.4 W	140 lm	on/off	Terminals 3 × 4□	90	700	55	—	✔
77 247	With screw-on base	2.4 W	140 lm	on/off	Terminals 3 × 4□	90	700	55	65	✔





Garden and pathway luminaires for private use
Shielded light directed downwards

A new garden and pathway luminaire for the private garden, house entrance and various other lighting applications on pathways and patios.
A luminaire that, in addition to its lighting function, can divide and structure outdoor spaces and areas, especially when arranged in groups.
Depending on the ambient brightness, it creates an impressive light graphic on the illuminated surface.
Cost-effective and durable luminaires thanks to modern LED technology with a warm white colour temperature of 3000 K.

Luminaires optionally available:
• With anchorage unit
• With screw-on base

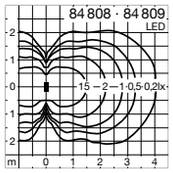
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

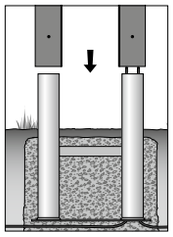
The luminaires are suitable for through-wiring.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

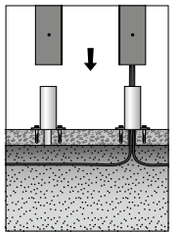
Luminaire data

Luminaire luminous flux	300 lm
Connected wattage	7.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · on/off	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

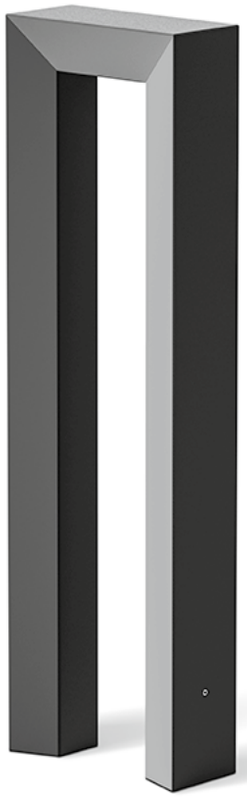


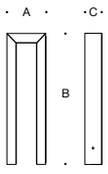


Anchorage unit



Screw-on base





Garden and pathway luminaires

		LED		PSU	Connection	A	B	C	AC/DC
84 808	With anchorage unit	7.0 W	300 lm	on/off	Terminals 3 × 4□	210	700	90	✔
84 809	With screw-on base	7.0 W	300 lm	on/off	Terminals 3 × 4□	210	700	90	✔



Garden and pathway luminaires for private use
Shielded flat beam light directed downwards
Accoya® wood

Two new luminaires for the glare-free illumination of pathways.
Thanks to their flat beam light, they are perfect for illuminating pathways, areas of the garden and entrance areas. They unite function and aesthetics and create a harmonious atmosphere in any garden through much more than just their light effect.
Particularly when illuminated, the wood truly comes to life. These garden and pathway luminaires offer much more than just functional lighting.
They are a symbol of durability and security, and an expression of a positive connection with nature. They transform the garden into a stylish extension of the living space and ensure a pleasant experience, both by day and by night.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Cost-effective and durable luminaires thanks to modern LED technology with a warm white colour temperature of 3000 K.

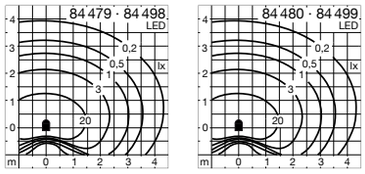
You can optionally order the luminaires:
• With anchorage unit
• With screw-on base
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

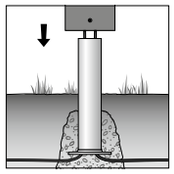
The luminaires are suitable for through-wiring.

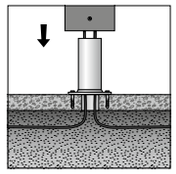
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

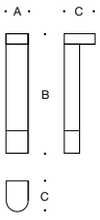
Luminaire data

Luminaire luminous flux	370 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	5.3 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass · Accoya® wood Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



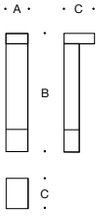

Anchorage unit


Screw-on base



Garden and pathway luminaires

		LED		PSU	Connection	A	B	C	AC/DC
84 480	With anchorage unit	5.3 W	370 lm	on/off	Terminals 5 × 4□	130	700	195	✔
84 499	With screw-on base	5.3 W	370 lm	on/off	Terminals 5 × 4□	130	700	195	✔



Garden and pathway luminaires

		LED		PSU	Connection	A	B	C	AC/DC
84 479	With anchorage unit	5.3 W	370 lm	on/off	Terminals 5 × 4□	130	700	180	✔
84 498	With screw-on base	5.3 W	370 lm	on/off	Terminals 5 × 4□	130	700	180	✔


84 480
84 499

84 479
84 498





Permanent floodlights
For private use

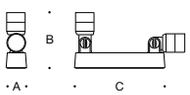
Two small floodlights on a single cross beam for a wide range of applications where floodlighting and beautiful lighting effects outside the house and in the private garden are required.
They are floodlights with adjustable positioning for situations where illumination in different directions from one installation location is desired. The permanent cross beam with two floodlights is suitable for ceiling or wall mounting.

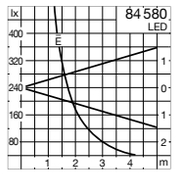
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	920 lm
Connected wattage	12.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector surface made of pure aluminium	
On/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Symmetrical wide beam light distribution Half beam angle 32°	







Two permanent floodlights on a cross beam

	LED		PSU	β	A	B	C
84 580	12.5 W	920 lm	on/off	32°	60	175	300×70

Portable BEGA UniLink floodlights
For private use

A group of compact little floodlights for a wide range of applications where flood-lighting and beautiful lighting effects on the house and in the private garden are required.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	975 lm
Connected wattage	14.0 W
Protection class	IP 65
Housing and earth spike made of glass fibre reinforced synthetic material Safety glass Reflector surface made of pure aluminium	
5 m connecting cable with UniLink plug connector Cable length between distribution box and each floodlight 3 m	
on/off power supply units	
Burning position adjustment without tools	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Symmetrical wide beam light distribution Half beam angle 24°	

BEGA UniLink system components:



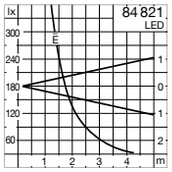
Mains plug
Type F/E (Europe)

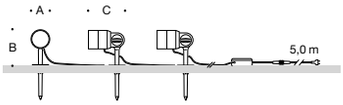


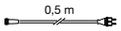
Extension cables



Five-way distribution box







3 portable BEGA UniLink floodlights									Connecting cable	
		LED		PSU	β	A	B	C	With mains plug	
84 821	**3 floodlights** with earth spike	14.0 W	975 lm	on/off	24°	55	110	100	**71 180**	Type F/E

BEGA UniLink system components · **With mains plug**

71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

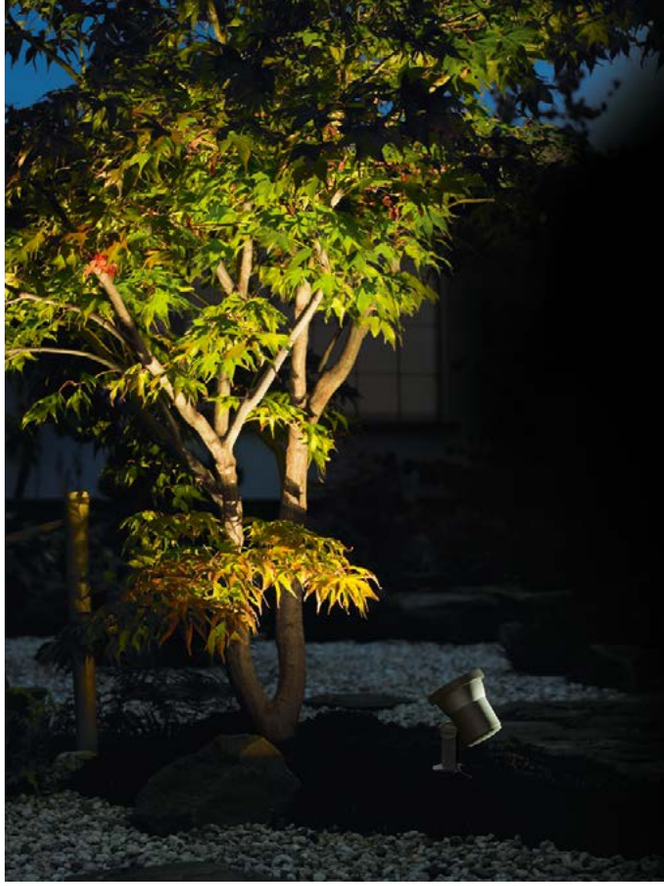
BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box



β = Half beam angle





Permanent floodlight
For private use

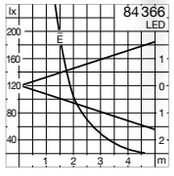
Compact floodlight with mounting box for the illumination of objects, plants and building details in private areas. Economical and long-lasting luminaires that can be used for less intense illumination, as well as impressive accent lighting.

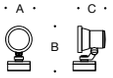
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	440 lm
Connected wattage	6.1 W
Protection class	IP 65
Glass fibre reinforced synthetic material Safety glass Reflector surface made of pure aluminium	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
Burning position adjustment without tools	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Symmetrical wide beam light distribution Half beam angle 36°	







Permanent floodlight with mounting box

	LED		PSU	β	A	B	C	AC/DC
84 366	6.1 W	440 lm	on/off	36°	105	190	110	✔

Portable BEGA UniLink floodlights
For private use

Compact BEGA UniLink floodlights with earth spike or ring base for the illumination objects, plants and building details in private areas. Economical and long-lasting luminaires that can be used for less intense illumination, as well as impressive accent lighting.
All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

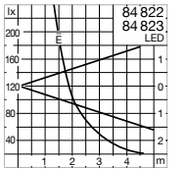
Luminaire luminous flux	440 lm
Connected wattage	6.1 W
Protection class	IP 65
Glass fibre reinforced synthetic material Safety glass Reflector surface made of pure aluminium 5 m connecting cable with UniLink plug connector	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
Burning position adjustment without tools	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Symmetrical wide beam light distribution Half beam angle 36°	

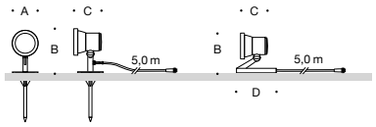
BEGA UniLink system components:

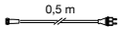

Mains plug
Type F/E (Europe)


Extension cables


Five-way distribution box









Portable BEGA UniLink floodlights										Connecting cable	
		LED		PSU	β	A	B	C	D	With mains plug	
84 822	With earth spike	6.1 W	440 lm	on/off	36°	105	180	110	—	**71 180**	Type F/E
84 823	With ring base	6.1 W	440 lm	on/off	36°	105	175	110	175	**71 180**	Type F/E

BEGA UniLink system components · **With mains plug**

71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle





Permanent floodlight for private use

Floodlight with mounting box for permanent installation for the illumination of objects, plants and building details in private areas. This floodlight has a conventional E 27 screw base and is suitable for operation with LED lamps.
We supply the E 27 screw base luminaire versions complete with a corresponding LED lamp.

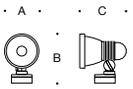
The long service life and high luminous efficiency of BEGA LED lamps guarantee maintenance-friendly and economical operation of these floodlights.

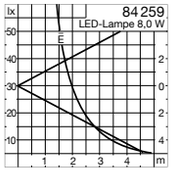
For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	515 lm
Connected wattage	8.0 W
Protection class Safety class	IP 65 II
Glass fibre reinforced synthetic material Safety glass Reflector made of pure anodised aluminium	
The burning position can be adjusted and the lamps replaced without tools.	
LED lamp colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
Symmetrical very wide beam light distribution · Half beam angle 93°	







Permanent floodlight with mounting box

	LED lamp included		Base	β	A	B	C
84 259	1 × 8.0 W	515 lm	E 27	93°	150	215	205

Portable BEGA UniLink floodlight
For private use

BEGA UniLink floodlights with earth spike for the illumination objects, plants and building details in private areas.
This floodlight has a conventional E 27 screw base and is suitable for operation with LED lamps.
We supply the E 27 screw base luminaire versions complete with a corresponding LED lamp.
The long service life and high luminous efficiency of BEGA LED lamps guarantee maintenance-friendly and economical operation of these floodlights.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

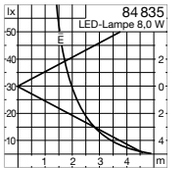
Luminaire luminous flux	515 lm
Connected wattage	8.0 W
Protection class	IP 65
Safety class	II
Glass fibre reinforced synthetic material	
Safety glass	
Reflector made of pure anodised aluminium	
5 m connecting cable with UniLink plug connector	
The burning position can be adjusted and the lamps replaced without tools.	
LED lamp colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
Symmetrical very wide beam light distribution · Half beam angle 93°	

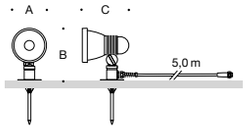
BEGA UniLink system components:

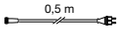

Mains plug
Type F/E (Europe)


Extension cables


Five-way
distribution box







Portable BEGA UniLink floodlights								Connecting cable	
	LED lamp included		Base	β	A	B	C	With mains plug	
84 835	1 × 8.0 W	515 lm	E 27	93°	150	215	205	**71 180**	Type F/E

BEGA UniLink system components · **With mains plug**		
71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components	
71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle

Technical data for BEGA LED lamps can be found on Page 564.





Permanent floodlights for private use

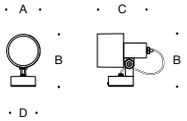
Floodlights in this form have been a defining design feature of the BEGA range for decades. They have received international awards for their excellent design.
As illuminating classics, they set the standard for the industry. We have changed their design and adapted their technology to today's requirements very carefully.
They are available with either wide beam or very wide beam light characteristics. Various private lighting applications can thus be fulfilled with a single floodlight type. Islands of light are just as achievable as accent lighting for building or garden details.

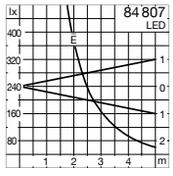
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

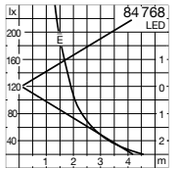
Luminaire data

Luminaire luminous flux	700 lm
Connected wattage	9.3 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium	
On/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Symmetrical wide beam and symmetrical very wide beam light distribution Half beam angles 22° and 60°	









Permanent floodlights with mounting box

	LED		PSU	β	A	B	C	D
84 807	9.3 W	700 lm	on/off	22°	135	215	200	100
84 768	9.3 W	700 lm	on/off	60°	135	215	200	100

Portable BEGA UniLink floodlights
For private use

Floodlights in this form have been a defining design feature of the BEGA range for decades. They have received international awards for their excellent design. As illuminating classics, they set the standard for the industry. We have changed their design and adapted their technology to today's requirements very carefully. They are available with either wide beam or very wide beam light characteristics. Various private lighting applications can thus be fulfilled with a single floodlight type. Islands of light are just as achievable as accent lighting for building or garden details.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	700 lm
Connected wattage	9.3 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Earth spike made of glass fibre reinforced synthetic material	
Reflector surface made of pure aluminium	
5 m connecting cable with UniLink plug connector	
On/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Symmetrical wide beam and symmetrical very wide beam light distribution Half beam angles 22° and 60°	

BEGA UniLink system components:



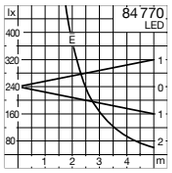
Mains plug
Type F/E (Europe)

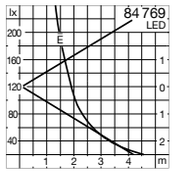


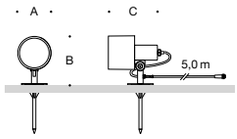
Extension cables

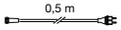


Five-way
distribution box









Portable BEGA UniLink floodlights									Connecting cable	
		LED		PSU	β	A	B	C	With mains plug	
84 770	With earth spike	9.3 W	700 lm	on/off	22°	135	215	200	**71 180**	Type F/E
84 769	With earth spike	9.3 W	700 lm	on/off	60°	135	215	200	**71 180**	Type F/E

BEGA UniLink system components · **With mains plug**

71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle







Permanent floodlight
For private use

Compact floodlight for the wide-area illumination of objects, plants and building details in private areas. Economical and long-lasting luminaires that can be used for less intense wide-area illumination in the garden or on the house.

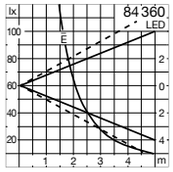
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	905 lm
Connected wattage	12.0 W
Protection class	IP 65
Housing and mounting box made of glass fibre reinforced synthetic material	
Safety glass	
Reflector made of pure anodised aluminium	
BEGA AC module Technical data on Page 11 BEGA Thermal Management®	
Burning position adjustment without tools	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Asymmetrical very wide beam light distribution · Half beam angle 78/94°	







Permanent floodlight with mounting box

	LED		PSU	β	A	B	C
84 360	12.0 W	905 lm	AC-Modul	78/94°	165	190	100

Portable BEGA UniLink floodlight
For private use

BEGA UniLink floodlight with earth spike for the wide-area illumination of objects, plants and building details in private areas. Economical and long-lasting luminaires that can be used for less intense wide-area illumination in the garden or on the house.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	905 lm
Connected wattage	12.0 W
Protection class	IP 65
Glass fibre reinforced synthetic material	
Safety glass	
Reflector made of pure anodised aluminium	
5 m connecting cable with UniLink plug connector	
BEGA AC module Technical data on Page 11	
BEGA Thermal Management®	
Burning position adjustment without tools	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Asymmetrical very wide beam light distribution · Half beam angle 78/94°	

BEGA UniLink system components:



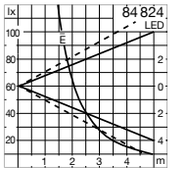
Mains plug
Type F/E (Europe)

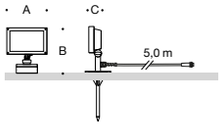


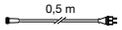
Extension cables



Five-way
distribution box







Portable BEGA UniLink floodlight								Connecting cable	
	LED		PSU	β	A	B	C	With mains plug	
84 824	12.0 W	905 lm	AC-Modul	78/94°	165	185	50	**71 180**	Type F/E

BEGA UniLink system components · **With mains plug**

71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle







Portable BEGA UniLink on-ground floodlights for private use

The garden thrives on seasonal change, varying growth and different types of use. Portable BEGA UniLink on-ground floodlights create an effective lighting atmosphere and can easily be moved to a different location if required – so a range of different lighting effects can be achieved. The luminaires can be placed on lawn areas, on soil and also on paths and terraces.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

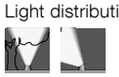
Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

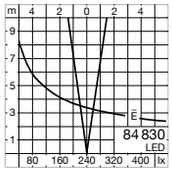
An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

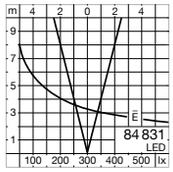
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

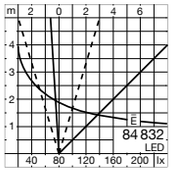
Luminaire data

Luminaire luminous flux	855 to 2135 lm
Connected wattage	9.4 to 19.4 W
Protection class	IP 67
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium 5 m connecting cable with UniLink plug connector	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution	











A practical cable winder makes it possible to wind up the unused connecting cable in the base of the luminaire housing.

BEGA UniLink system components:



Mains plug
Type F/E (Europe)

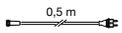


Extension cables



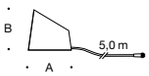
Five-way distribution box

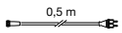






BEGA UniLink floodlight · **Symmetrical** light distribution							Connecting cable	
	LED		PSU	β	A	B	With mains plug	
84 830	9.4 W	855 lm	on/off	17°	175	140	**71 180**	Type F/E
84 831	18.8 W	2135 lm	on/off	28°	205	150	**71 180**	Type F/E







BEGA UniLink floodlight · **Asymmetrical** light distribution							Connecting cable	
	LED		PSU	β	A	B	With mains plug	
84 832	19.4 W	1975 lm	on/off	75°/60°	205	200	**71 180**	Type F/E

BEGA UniLink system components · **With mains plug**		
71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components	
71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle





Portable BEGA UniLink garden luminaires
For private use

Spherical BEGA UniLink garden luminaires for atmospheric lighting in private gardens and large garden areas. They have a conventional E 27 screw base and are suitable for operation with LED lamps. We supply the E 27 screw base luminaire versions complete with a corresponding LED lamp.
The long service life and high luminous efficiency of BEGA LED lamps guarantee maintenance-friendly and economical operation of these spherical luminaires. These luminaires develop their distinctive character as design elements in groups with different sphere diameters.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.

This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	880 to 1310 lm
Connected wattage	8.0 · 12.0 W
Protection class	IP 65
Stainless steel base plate Synthetic sphere, white 5 m connecting cable with UniLink plug connector	
LED lamp colour temperature	3000 K
Included in the delivery	



BEGA UniLink system components:



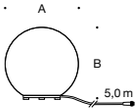
Mains plug
Type F/E (Europe)

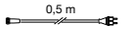


Extension cables



Five-way
distribution box





Portable BEGA UniLink garden luminaires

	LED lamp included		Base	A	B
84 826	1 × 8.0 W	880 lm	E 27	350	345
84 827	1 ×12.0 W	1310 lm	E 27	450	445
84 828	1 ×12.0 W	1300 lm	E 27	550	525
84 829	1 ×12.0 W	1275 lm	E 27	630	615

Connecting cable

	With mains plug	
71 180	Type F/E	
71 180	Type F/E	
71 180	Type F/E	
71 180	Type F/E	

BEGA UniLink system components · **With mains plug**

71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box



Technical data for BEGA LED lamps can be found on Page 564.



Portable BEGA UniLink garden luminaire
For private use

This versatile luminaire is characterised especially by the option of adjusting the luminaire head.
It can be rotated 30° in each direction and the height is also infinitely adjustable.
A luminaire for many small lighting applications in the private garden and in the terrace area.
Shielded light with very wide beam light distribution on the illuminated surface.
A portable luminaire which can simply be placed in lawns, flowerbeds or plants with an earth spike.
If required the luminaires can swiftly be moved to a different location.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.

The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	480 lm
Connected wattage	5.0 W
Protection class	IP 65
Cast aluminium and stainless steel Vertical tube made of anodised aluminium Light deflection through synthetic cover with optical texture 5 m connecting cable with UniLink plug connector	
BEGA Ultimate Driver® on/off power supply units	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	





BEGA UniLink system components:



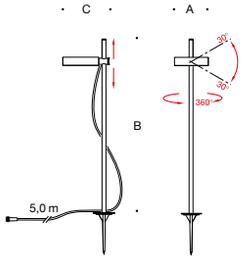
Mains plug
Type F/E (Europe)



Extension cables



Five-way
distribution box



0,5 m

Portable BEGA UniLink garden luminaire

	LED		PSU	A	B	C
84 825	5.0 W	480 lm	on/off	160	1000	230

BEGA UniLink system components · **With mains plug**

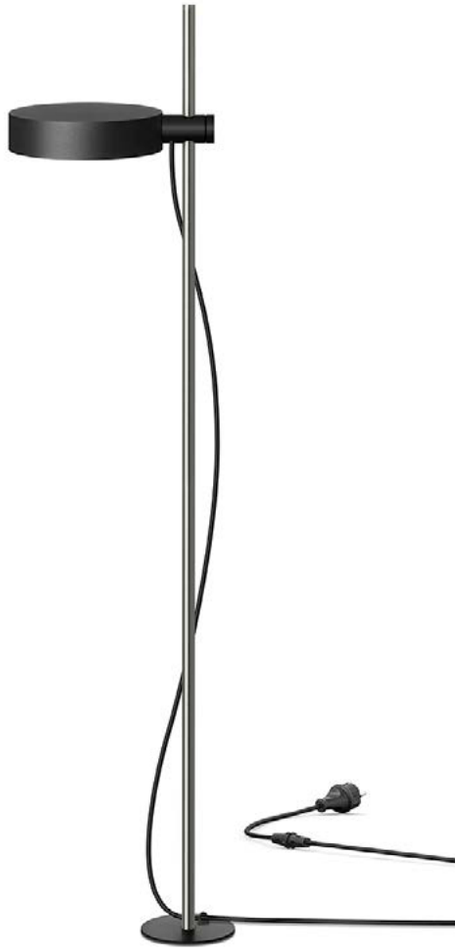
71 180	Type F Type E	**Germany** and **Europe** **France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

Connecting cable

With mains plug	
71 180	Typ F/E

BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box





Portable BEGA UniLink garden luminaires
For private use

These upwardly shielded BEGA UniLink garden luminaires create atmospheric light points in private gardens and patio areas: warm white islands of light that accentuate plants or illuminate special areas.
Luminaires that can be repositioned as the seasons change in the garden.
Shielded light with very wide beam light distribution on the illuminated surface.
A portable luminaire which can simply be placed in lawns, flowerbeds or plants with an earth spike.
All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	450 lm
Connected wattage	5.0 W
Protection class	IP 65
Cast aluminium and stainless steel Vertical tube made of anodised aluminium Light-diffusing synthetic cover 5 m connecting cable with UniLink plug connector	
BEGA Ultimate Driver® on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

BEGA UniLink system components:



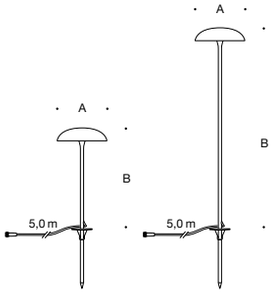
Mains plug
Type F/E (Europe)



Extension cables



Five-way
distribution box



0,5 m

Portable BEGA UniLink garden luminaires

	LED		PSU	A	B
84 859	5.0 W	450 lm	on/off	Ø 250	500
84 842	5.0 W	450 lm	on/off	Ø 250	1000

BEGA UniLink system components · **With mains plug**

71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

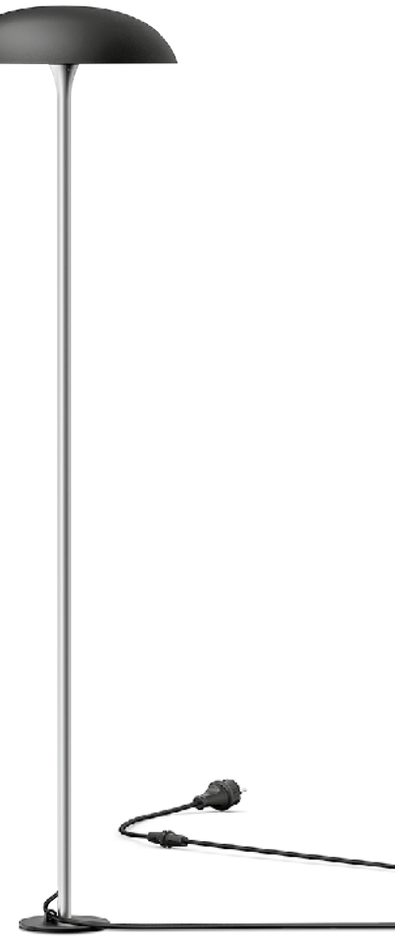
Connecting cable

With mains plug

71 180	Type G
71 180	Type G

BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box



works with BEGA Smart

BEGA Plug & Play · The smart lighting system for the private garden

As a pioneer in trends and new technologies, our aim is to use light to make your life more beautiful, more simple and more convenient. One of the keys to all this is BEGA Smart:
our holistic lighting system for your smart home.
As part of the BEGA Smart range, BEGA Plug & Play is the LED lighting system for your smart garden lighting – incredibly easy to install and control. Position the portable luminaires in the garden and configure the system with the BEGA Smart app – done.
Smart means uncomplicated. That is why all devices and functions are programmed and controlled simply, intuitively and clearly in a single place: the BEGA Smart app. Controlling individual luminaires or luminaire groups, configuring custom lighting scenarios or setting up a time switch function – smart BEGA lights are incredibly versatile.

The Plug & Play system's flexible cables can simply be placed above ground between plants – eliminating the need for costly time-consuming underground cables. Redesigns and extensions can then be carried out quickly and at any time.

The smart system can be expanded at any time using BEGA Zigbee LED lamps in conventional luminaires with E 14 or E 27 bases.

Further information and an overview of all BEGA Smart components for indoor and outdoor use can be found at bega.com/smart



We developed BEGA Smart specifically for everyday use.
As a systemic solution, BEGA Smart is more than the sum of its individual parts – synergy is the key.



The Plug & Play system can be controlled via the smartphone app in the immediate vicinity of the garden. We recommend the PRO or ONE remote controls for convenient control from greater distances.



Luminaire groups and lighting scenarios can be created intuitively and with little effort in the free BEGA Smart app. The system can also be configured to switch on and off automatically according to the time of day.



Combined with the BEGA Smart Socket smart connecting pillar, any device with a safety plug – whether floodlight, barbecue or pond pump – can also be integrated into the BEGA Smart System.







works with **BEGA** Smart

BEGA PRO and ONE remote controls

ZigBee 3.0 · Radio range in the field: 30 m
Including magnetic wall mounting bracket
Configuration using BEGA Smart app

PRO remote control
E-paper display and touch ring for menu navigation as well as two freely programmable favourites buttons.
Anodised matt black housing made of cast aluminium
Front made of unbreakable, scratch-proof Gorilla® glass.

ONE remote control
10 user-programmable pushbuttons. Each pushbutton can be assigned an individual luminaire, luminaire group, scenario or light colour.
Grey synthetic housing with black front panel

13 569	PRO remote control	
10 526	ONE remote control	

works with **BEGA** Smart

BEGA Plug & Play **Smart Tower and Smart Extender**

Protection class IP 65 · Colour graphite
Housing made of glass fibre reinforced synthetic material
Smart Tower: BEGA Ultimate Driver®
Zigbee 3.0 and Bluetooth

Smart Tower: 230 V AC / 48 V DC · Connected wattage max. 50 W
Smart Extender and Smart Tower: 4 outputs each, can be switched and dimmed individually

To operate them, we recommend the remote controls PRO (13 569) or ONE (10 526).

For the electrical connection of the Smart Tower 13 567, we recommend the use of BEGA distribution boxes. Additional information on BEGA distribution boxes can be found on Page 581.

		Ø	H
13 566	Smart Tower with 5 m connecting cable and mains plug	130	75
13 567	Smart Tower with 5 m connecting cable and free cable end	130	75
13 568	Smart Extender with 5 m cable and 48 V plug	130	65

Extension cables

Protection class IP 67 · Colour graphite
Extension cables with 48 V socket and plug, optionally in 5 m or 10 m length

10 596	Extension cable 5 m
10 597	Extension cable 10 m



BEGA Plug & Play
Portable garden luminaires 48 V DC with earth spike
for unshielded light

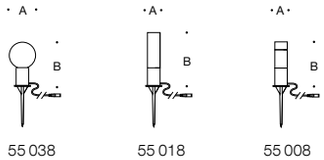
A group of portable garden luminaires – these unshielded luminaires create a beautiful lighting atmosphere along pathways, on patios and in flower beds.
The luminaires with high-quality opal glass are available in three versions.

Please refer to the technical planning data for planning and installation.
The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	185 to 240 lm
Connected wattage	2.4 W
Protection class	IP 65
Housing and earth spike made of glass fibre reinforced synthetic material Opal glass with thread	
With 5 m connecting cable and 48 V plug	
A BEGA Plug & Play Smart Tower is required to operate these luminaires, see Page 331	
BEGA Ultimate Driver®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphitehite	
20-year availability guarantee for LED modules	





55 038 55 018 55 008

Garden luminaires

	LED		A	B
55 038	2.4 W	240 lm	150	260
55 018	2.4 W	235 lm	70	340
55 008	2.4 W	185 lm	65	270





24 364



24 367 · 24 368



24 378



BEGA Plug & Play
Portable garden luminaires 48 V DC
For directed light

Compact floodlights in various versions for a wide range of lighting applications in private gardens.
The two earth spike floodlights are ideal for illumination from flowerbeds or plantings. Floodlight 24 364 produces a very wide beam and wide-area distribution of light, perfect for illuminating surfaces and walls, for example.
Floodlight 24 367 produces a rotationally symmetrical, wide beam distribution of light and is ideal for illuminating plants, trees and shrubs, for example.
The floodlight with ring base, also with rotationally symmetrical wide beam light distribution, is extremely versatile.
The on-ground floodlight can be used to illuminate trees, plants or building structures above where the luminaire is located. Additional information on BEGA Hybrid Optics® can be found on Page 14.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	340 to 845 lm
Connected wattage	4.0 to 10.0 W
Protection class	IP 65

24 364 · 24 367 · 24 368
Housing and earth spike made of fibreglass-reinforced synthetic material

24 378 aluminium housing

Safety glass

Reflector surface made of pure aluminium

With 5 m connecting cable and 48 V plug

We supply on-ground floodlight 24 378 with an optional earth spike.

A BEGA Plug & Play Smart Tower is required to operate these luminaires, see Page 331

BEGA Ultimate Driver®

24 378 BEGA Hybrid Optics®

LED colour temperature
3000 K – article number + **K3**

Luminaire colour · BEGA Unidure®
Graphite

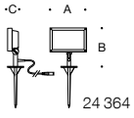
20-year availability guarantee for LED modules



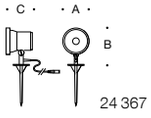
Floodlight with ring base



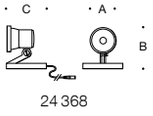
Cable winder in the ring base



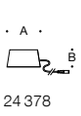
24 364



24 367



24 368



24 378

Garden floodlights

		LED		A	B	C
24 364	Floodlight with earth spike	10.0 W	845 lm	165	185	50
24 367	Floodlight with earth spike	4.0 W	340 lm	105	175	110
24 368	Floodlight with ring base	4.0 W	340 lm	105	175	110
24 378	On-ground floodlights	7.7 W	750 lm	185	75	—





BEGA Plug & Play

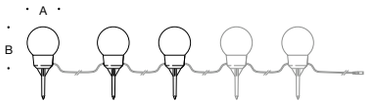
Portable LED spherical luminaires 48 V DC, consisting of three or five luminaires, with optional earth spike or hook

Unshielded spherical luminaires as ready-to-connect units with three or five luminaires for beautiful lighting effects in private gardens.
As a group of luminaires with earth spikes or as pendants, they provide versatile and effective accent lighting.
Plug & Play luminaires are connected in series with two metres of cable. The first luminaire has a five-metre long connecting cable with a 48 V plug.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1620 · 2705 lm
Connected wattage	11.7 · 19.1 W
Protection class	IP 65
Glass fibre reinforced synthetic material Synthetic sphere, white	
5 m connecting cable between 48 V plug and the first luminaire	
Cable length between the luminaires 2 m	
A BEGA Plug & Play Smart Tower is required to operate these luminaires, see Page 331	
BEGA Ultimate Driver®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	





Spherical luminaires · **With earth spike or hook**

		LED		A	B
24 376	**3 luminaires** with earth spike	11.7 W	1620 lm	120	160
24 379	**5 luminaires** with earth spike	19.1 W	2705 lm	120	160
24 377	**3 luminaires** with hook	11.7 W	1620 lm	120	200
24 380	**5 luminaires** with hook	19.1 W	2705 lm	120	200



Spherical luminaires with hook





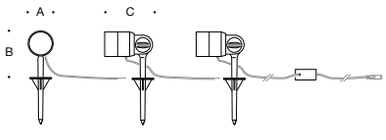
BEGA Plug & Play
Portable LED garden floodlights 48 V DC, consisting of three luminaires with earth spike

Compact little floodlights for a wide range of applications where floodlighting and beautiful lighting effects in private gardens are required.
The ready-to-connect trio of floodlights with earth spike is ideal for accent lighting of plants, trees and shrubs, or even small sculptures and objects in flower beds and plantings.
The three luminaires are connected to each other via a distribution box.
From there, they have a common five-metre connecting cable with a 48 V plug.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	840 lm
Connected wattage	11.7 W
Protection class	IP 65
Glass fibre reinforced synthetic material Safety glass Reflector surface made of pure aluminium	
5 m connecting cable between 48 V plug and distribution box 3 m cable length between distribution box and each floodlight	
A BEGA Plug & Play Smart Tower is required to operate these luminaires, see Page 331	
BEGA Ultimate Driver®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	





Garden floodlights · **With earth spike**

		LED		β	A	B	C
24 366	**3 floodlights** with earth spike	11.7 W	840 lm	24°	55	110	100





Connecting pillars
for the electrical supply **in private applications**

Like public areas, private gardens also require many electrical connection options for luminaires and other electrical equipment. For our portable luminaires we can offer you matching connecting pillars with safety sockets for private house and garden environments.

The connecting pillars can be ordered with one of the following options:
- With earth spike
- With screw-on base
- With anchorage unit

Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

Connecting pillars are available with two or three safety sockets.
Optionally with type F, type E or type G safety sockets.

- Type **F**: system common in Germany and Europe
- Type **E**: system common in France and Belgium
- Type **G**: system used in Great Britain (“Commonwealth plug”)

You can find an overview of all type designations for sockets on Page 580.

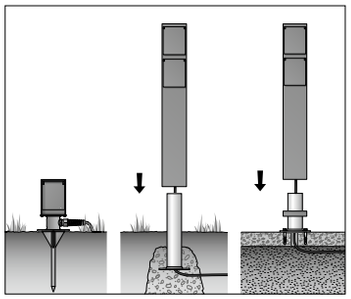
You can find BEGA controllable connecting pillars for private use on Page 338.
BEGA connecting pillars for public areas can be found on Page 340.

National safety regulations must be observed when installing and operating these connecting pillars. Earth fault circuit breakers and fuses must be connected on line side in the sub-main distribution circuit. Additional technical data can be found in the product data sheet for the connecting pillars on our website.

If through-wiring to a further connecting pillar is required, we recommend using BEGA distribution boxes. Additional information on BEGA distribution boxes can be found on Page 581.

Technical data

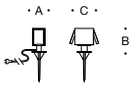
Protection class	IP 44
Cast aluminium, aluminium, stainless steel Glass fibre reinforced synthetic material Line connectors 3 × 2.5□	
Portable connecting pillars, ready for connection, with 5 m cable and type F/E mains plug (Europe)	
Housing colour · BEGA Unidure® Graphite	



Earth spike Anchorage unit Screw-on base

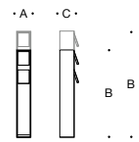


Type F Type E Type G



Connecting pillar with **two** safety sockets · **Portable**

Type **F**	Type **E**	Type **G**		A	B	C
10 713	**13 543**	**13 577**	With earth spike	75	160	125



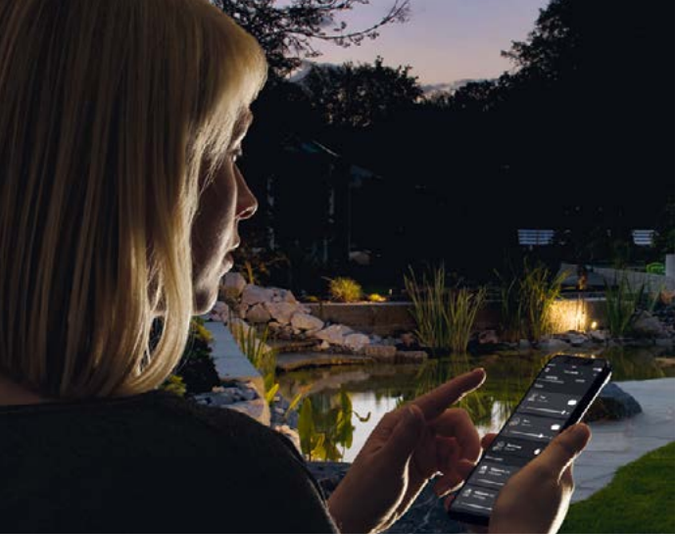
Connecting pillars with **two** safety sockets · **Permanent**

Type **F**	Type **E**	Type **G**		A	B	C
70 704	**71 067**	**71 156**	With anchorage unit	75	500	75
70 706	**71 068**	**71 158**	With screw-on base	75	500	75

Connecting pillars with **three** safety sockets · **Permanent**

Type **F**	Type **E**	Type **G**		A	B	C
70 705	**71 069**	**71 157**	With anchorage unit	75	600	75
70 709	**71 070**	**71 159**	With screw-on base	75	600	75







BEGA Smart Socket or DALI-controllable connecting pillars
for the electrical supply in **private applications**

We offer two types of controllable connecting pillar for the electrical supply of your portable luminaires and other electrical devices. Smart Socket connecting pillars and DALI-controllable connecting pillars.
At close range, BEGA Smart Socket connecting pillars can be operated using a smartphone and the free BEGA Smart app. For convenient operation from greater distances, we recommend our ONE or PRO remote controls. Additional information on BEGA remote controls can be found on Page 331.
Luminaires and other devices connected to the Smart Socket connecting pillar can be easily configured using the free BEGA Smart app.
DALI-controllable connecting pillars can be integrated into any DALI system and therefore be configured and controlled via DALI.

The connecting pillars can be ordered with one of the following options:
• With anchorage unit
• With screw-on base
Additional information on BEGA anchorage units and screw-on bases can be found on Page 581.

BEGA Smart Socket and DALI-controllable connecting pillars are optionally with two or three type F, type E or type G safety sockets.

- Type **F**: system common in Germany and Europe
- Type **E**: system common in France and Belgium
- Type **G**: system used in Great Britain (“Commonwealth plug”)

You can find an overview of all type designations for sockets on Page 580.

You can find non-controllable BEGA connecting pillars for private use on Page 336.
BEGA connecting pillars for public areas can be found on Page 340.

National safety regulations must be observed when installing and operating these connecting pillars. Earth fault circuit breakers and fuses must be connected on line side in the sub-main distribution circuit. Additional technical data can be found in the product data sheet for the connecting pillars on our website.

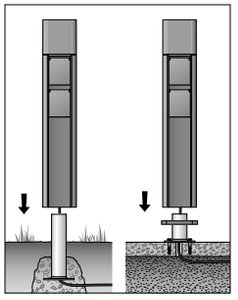
If through-wiring to a further connecting pillar is required, we recommend using BEGA distribution boxes.
Additional information on BEGA distribution boxes can be found on Page 581.

Technical data

Protection class	IP 44
Cast aluminium, aluminium, stainless steel	
Glass fibre reinforced synthetic material	
BEGA Smart Socket: Line connectors 3 × 2.5□ Zigbee 3.0 and Bluetooth	
DALI-controllable connecting pillars: Line connectors 5 × 2.5□	
Housing colour · BEGA Unidure®	
Graphite	



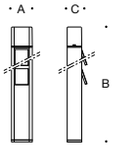
The BEGA Smart Socket connecting pillars can be operated with a smartphone and the ONE or PRO remote controls.



Anchorage unit Screw-on base



Type F Type E Type G



BEGA Smart Socket connecting pillars with **two** safety sockets

Type **F**	Type **E**	Type **G**		A	B	C
71 095	**71 099**	**71 132**	With anchorage unit	110	600	75
71 097	**71 114**	**71 141**	With screw-on base	110	600	75

BEGA Smart Socket connecting pillars with **three** safety sockets

Type **F**	Type **E**	Type **G**		A	B	C
71 096	**71 100**	**71 133**	With anchorage unit	110	700	75
71 098	**71 115**	**71 142**	With screw-on base	110	700	75

DALI-controllable connecting pillars with **two** safety sockets

Type **F**	Type **E**	Type **G**		A	B	C
71 166	**71 170**	**71 174**	With anchorage unit	110	600	75
71 168	**71 172**	**71 176**	With screw-on base	110	600	75

DALI-controllable connecting pillars with **three** safety sockets

Type **F**	Type **E**	Type **G**		A	B	C
71 167	**71 171**	**71 175**	With anchorage unit	110	700	75
71 169	**71 173**	**71 177**	With screw-on base	110	700	75

works with **BEGA** Smart







Connecting pillars for the electrical supply
in public and commercial installations

We can supply three connecting pillars for the connection of electrically operated equipment and vehicles as well as the power supply in public and industrial areas: Type 1 · 2 · 3.

Connecting pillars **with installation inserts** are wired ready for connection at the factory. Type 1 and type 3 connecting pillars are also available **without installation inserts**. They offer you the option of choosing the type and number of installation inserts for your particular requirements. These connecting pillars are then supplied empty together with the inserts ordered.

Installation inserts for connecting pillars 70 382 · 70 380 optionally available with sockets for different international systems:

- Type **F**: system common in Germany and Europe
- Type **E**: system common in France and Belgium
- Type **G**: system used in Great Britain (“Commonwealth plug”)
- Type **B**: system common in the US (NEMA 5)
- Type **J**: system common in Switzerland and Liechtenstein

You can find an overview of all type designations for sockets on Page 580.

You can find connecting pillars for private use on Pages 336 to 339.

Installation must be carried out by an approved electrician. For the installation and operation of these devices, national safety regulations must be complied with. Additional technical data can be found in the product data sheet for the connecting pillars on our website.

The BEGA connecting pillars in this series are bolted with a mounting plate onto a foundation provided by the customer or onto an anchorage unit made of hot-dip galvanised steel. Anchorage units are accessories and must be ordered separately.
Additional information on BEGA anchorage units can be found on Page 583.

Technical data

Cast aluminium, aluminium and stainless steel

Connection terminals

Housing colour · BEGA Unidure®
Graphite



Type F · Type E · Type G · Type B · Type J

Installation inserts for **type 1** connecting pillars 70382 · 70380

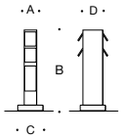
	Safety sockets	
70 170	Socket type **F**	16 A · 250 V ~
70 176	Socket type **E**	16 A · 250 V ~
70 177	Socket type **G**	13 A · 250 V ~
70 178	Socket type **B**	20 A · 125 V ~
70 179	Socket type **J**	10 A · 250 V ~
	Switches · Pushbuttons · Cylinders	
70 171	Two-way switch	10 A · 250 V ~
70 172	Push button / NOC	10 A · 250 V ~
70 173	Two-way control switch	10 A · 250 V ~
70 174	Key-operated switch two-way	10 A · 250 V ~
70 175	Key-operated switch pushbutton	10 A · 250 V ~
70 180	Key cylinder for 70 174 + 70 175	

Installation inserts for **type 3** connecting pillars · 71 014

Connection compartment for a maximum of 2 inserts
- CEE sockets 16 A · 400 V ~ or
- CEE sockets 32 A · 400 V ~

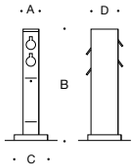
and for a maximum of 6 inserts
- CEE sockets 16 A · 250 V ~ or
- Type **F** safety sockets 16 A · 250 V ~

70 190	Safety socket type **F**	16 A · 250 V ~
70 191	CEE socket	16 A · 250 V ~
70 192	CEE socket	16 A · 400 V ~
70 193	CEE socket	32 A · 400 V ~

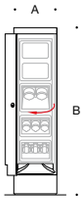


Type 1 connecting pillars **with** installation inserts · IP 44						Anch. unit
		A	B	C	D	
70 375	**with 2** safety sockets type F	75	500	155	125	**70 895**
70 376	**with 1** safety socket type F + **1** switch	75	500	155	125	**70 895**
70 377	**with 4** safety sockets type F	75	500	155	125	**70 895**
70 378	**with 3** safety sockets type F + **1** switch	75	500	155	125	**70 895**

Type 1 connecting pillars **without** installation inserts · IP 44						Anch. unit
70 382	For a maximum of **2 inserts**	75	500	155	125	**70 895**
70 380	For a maximum of **4 inserts**	75	500	155	125	**70 895**



Type 2 connecting pillars **with** installation inserts · IP X4							Anch. unit
			A	B	C	D	
70 383	**with** 4 CEE sockets	16 A · 250 V ~	100	700	205	170	**70 895**
70 384	**with** 2 CEE sockets and 2 CEE sockets	16 A · 250 V ~ 16 A · 400 V ~	100	700	205	170	**70 895**



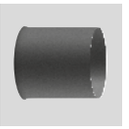
Type 3 connecting pillars **with** installation inserts and safety lock · IP X4					Anch. unit
			A	B	
71 013	**with** 2 CEE sockets	16 A · 400 V ~	265	1035	**70 896**
	3 CEE sockets	16 A · 250 V ~			
	3 safety sockets type F	16 A · 250 V ~			
	1 residual current device	40 A · 30 mA			
	2 automatic cutouts	C 16 A 3-pole			
	6 automatic cutouts	C 16 A 1-pole			
71 015	**with** Charging module insert for e-vehicles		265	1035	**70 896**

Type 3 connecting pillars **without** installation inserts and with safety lock · IP X4					Anch. unit
71 014	**w/o** Installation inserts with 2 fuse boxes, 8-part		265	1035	**70 896**





Accessories:



Cylinder shield



Shield



Louvre

Exchangeable lens flat beam

Compact floodlights **with mounting box**
Compact floodlights for additive colour mixing **RGB W**

On Pages 342 to 347, you will find BEGA compact floodlights for different types of installation.
This economical, compact and efficient series boasts four housing sizes and a luminaire luminous flux of more than 7800 lumens. We have developed highly efficient reflectors with focussing, narrow beam or wide beam light distribution for different applications.

Floodlights **with mounting box** are suitable for installation on walls, ceilings and foundations provided by the customer.

The **RGB W luminaires** can be controlled by DALI colour light control (DT 8, RGBWAF). Suitable DALI system components can be found on Page 568.

Shields, louvres and exchangeable lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	370 to 7875 lm
Connected wattage	4.1 to 77.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

Luminaires optionally available without power supply unit, with on/off power supply unit or with DALI-controllable power supply unit

BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**
Also available in 2200 K as custom-made products.

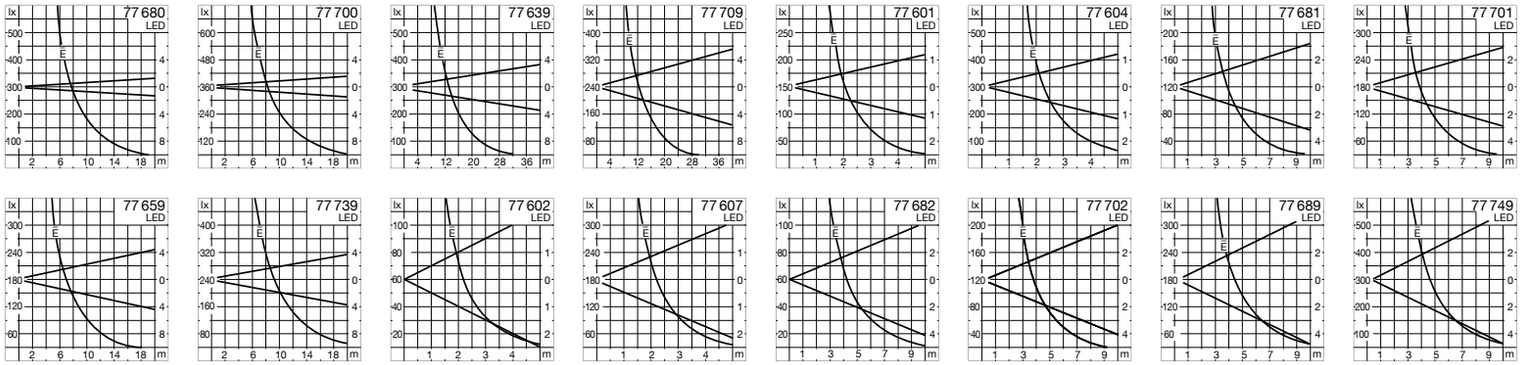
Luminaire colour · BEGA Unidure®
Graphite

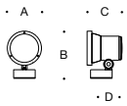
20-year availability guarantee for LED modules

Light distribution



7-17° 21-30° 39-60°





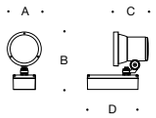


Compact floodlights **with mounting box**

Focused	LED		PSU	β	A	B	C	D	AC/DC
77 680	10.5 W	805 lm	DALI	7°	140	205	140	100	✔
77 700	13.8 W	1110 lm	DALI	9°	160	225	165	100	✔
77 639	52.5 W	3275 lm	DALI	10°	230	305	225	130	✔
77 709	77.0 W	5660 lm	DALI	17°	230	305	225	130	✔
Narrow beam									
77 601	4.1 W	375 lm	on/off	30°	105	150	110	90	✔
77 604	9.3 W	930 lm	w/o*	28°	105	150	110	90	—
77 681	11.8 W	1130 lm	DALI	30°	140	205	140	100	✔
77 701	24.0 W	2000 lm	DALI	29°	160	225	165	100	✔
77 659	52.5 W	4540 lm	DALI	25°	230	305	225	130	✔
77 739	77.0 W	7855 lm	DALI	21°	230	305	225	130	✔
Wide beam									
77 602	4.1 W	370 lm	on/off	51°	105	150	110	90	✔
77 607	9.3 W	920 lm	w/o*	47°	105	150	110	90	—
77 682	11.8 W	1110 lm	DALI	45°	140	205	140	100	✔
77 702	24.0 W	1930 lm	DALI	43°	160	225	165	100	✔
77 689	52.5 W	4615 lm	DALI	51°	230	305	225	130	✔
77 749	77.0 W	7875 lm	DALI	50°	230	305	225	130	✔

Accessories

70 075	**70 756**	**70 712**
70 076	**70 757**	**70 720**
70 077	**70 758**	**70 721**
70 077	**70 758**	**70 721**
70 050	**70 755**	—
70 050	**70 755**	—
70 055	**70 756**	**70 760**
70 060	**70 757**	**70 796**
70 065	**70 758**	**70 775**
70 065	**70 758**	**70 775**
70 050	**70 755**	
70 050	**70 755**	
70 055	**70 756**	
70 060	**70 757**	
70 065	**70 758**	
70 065	**70 758**	



Compact floodlights with **mounting box · RGBW**

Wide beam	LED		PSU	β	A	B	C	D
84 369	14.5 W	720 lm	DALI DT8	60°	105	195	110	190 × 90
84 370	20.0 W	1105 lm	DALI DT8	43°	140	245	140	190 × 90
84 371	28.5 W	1470 lm	DALI DT8	39°	160	275	165	240 × 105
84 362	58.0 W	2920 lm	DALI DT8	48°	230	350	225	240 × 105

Accessories

70 050	**70 755**
70 055	**70 756**
70 060	**70 757**
70 065	**70 758**



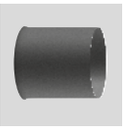
*Safety class III · Suitable 24 V DC power supply units can be found on Page 566

β = Half beam angle

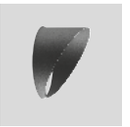
Exchangeable lens · Flat beam · Shield · Cylinder shield · Louvre



Accessories:



Cylinder shield



Shield



Louvre

Exchangeable lens
flat beam

Compact floodlights
with G ½ threaded connection

On Pages 342 to 347, you will find BEGA compact floodlights in various designs.

Floodlights with G ½ threaded connection are suitable for installation on existing on-site G ½ · ISO 228 threaded holes – in combination with BEGA accessories, this can be used for various floodlight installation applications. You will find suitable accessories for each floodlight on our website under the respective luminaire article number. A complete overview of all accessories with G ½ · ISO 228 threaded holes can be found on Page 574.

Shields, louvres and exchangeable lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	805 to 7875 lm
Connected wattage	10.5 to 77.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel

Safety glass

Reflector made of pure anodised aluminium

1.0 m connecting cable with free cable ends

DALI-controllable power supply units

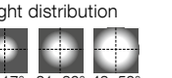
BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**
Also available in 2200 K as custom-made products.

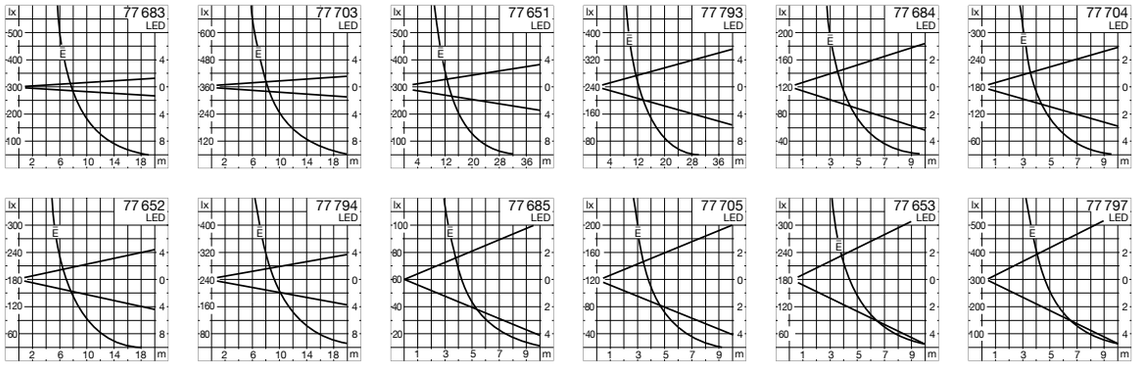
Luminaire colour · BEGA Unidure®
Graphite

20-year availability guarantee for LED modules

Light distribution

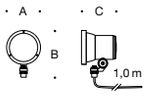


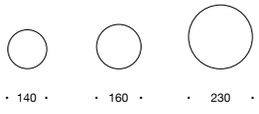
7-17° 21-30° 43-50°





Suitable accessories for floodlights with **G ½ threaded connection** can be found on Page 574.



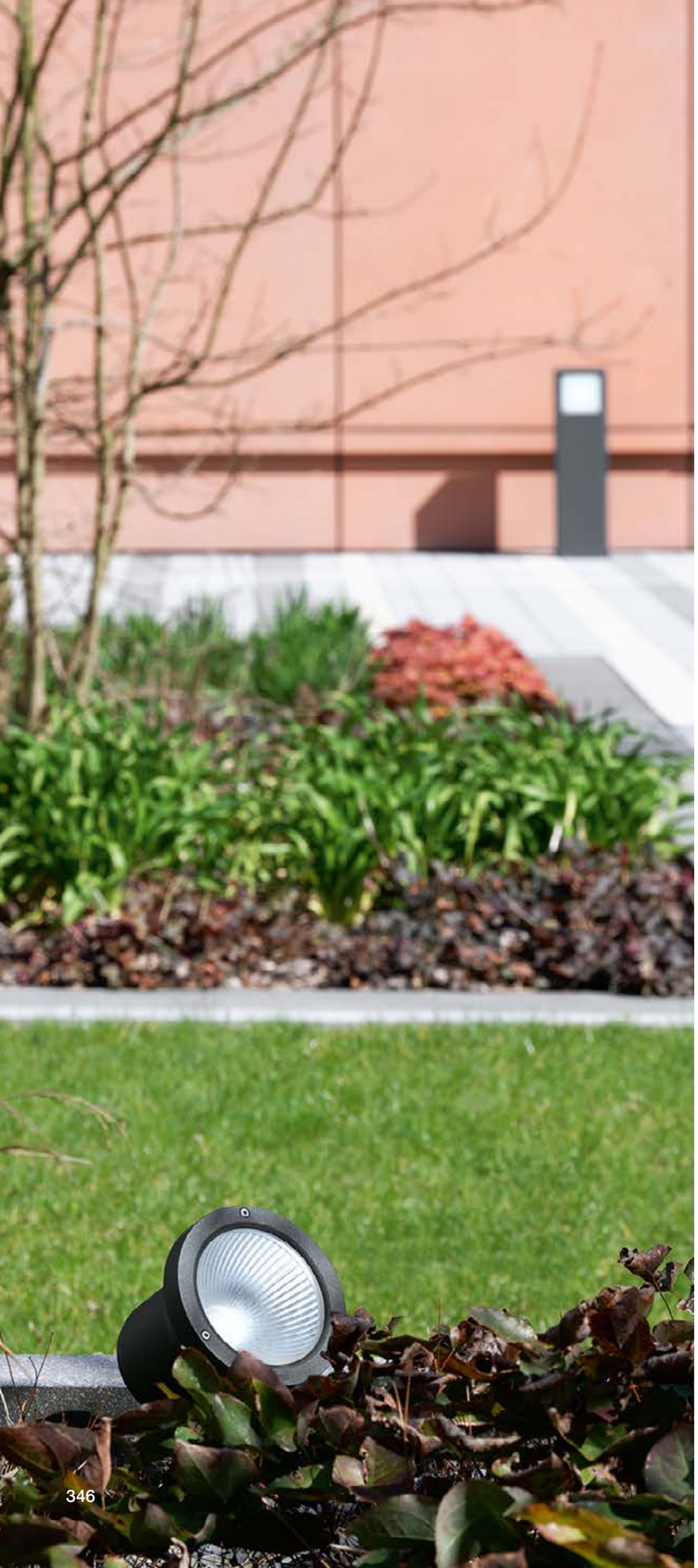


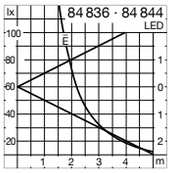
Compact floodlights **with G ½ threaded connection**

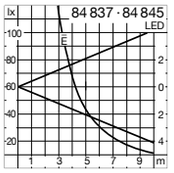
Focused	LED		Netzteil	β	A	B	C	AC/DC	Accessories		
77 683	10.5 W	805 lm	DALI	7°	140	200	140	✔	**70 075**	**70 756**	**70 712**
77 703	13.8 W	1110 lm	DALI	9°	160	215	165	✔	**70 076**	**70 757**	**70 720**
77 651	52.5 W	3275 lm	DALI	10°	230	295	230	✔	**70 077**	**70 758**	—
77 793	77.0 W	5660 lm	DALI	17°	230	295	230	✔	**70 077**	**70 758**	—
Narrow beam											
77 684	11.8 W	1130 lm	DALI	30°	140	200	140	✔	**70 055**	**70 756**	**70 760**
77 704	24.0 W	2000 lm	DALI	29°	160	215	165	✔	**70 060**	**70 757**	**70 796**
77 652	52.5 W	4540 lm	DALI	25°	230	295	230	✔	**70 065**	**70 758**	**70 775**
77 794	77.0 W	7855 lm	DALI	21°	230	295	230	✔	**70 065**	**70 758**	**70 775**
Wide beam											
77 685	11.8 W	1110 lm	DALI	45°	140	200	140	✔	**70 055**	**70 756**	
77 705	24.0 W	1930 lm	DALI	43°	160	215	165	✔	**70 060**	**70 757**	
77 653	52.5 W	4615 lm	DALI	51°	230	295	230	✔	**70 065**	**70 758**	
77 797	77.0 W	7875 lm	DALI	50°	230	295	230	✔	**70 065**	**70 758**	

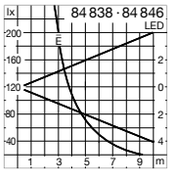
β = Half beam angle · Exchangeable lens · Flat beam · Shield · Cylinder shield · Louvre











BEGA UniLink compact floodlights **with earth spike · With connection adapter**

BEGA UniLink compact floodlights belong to the group of floodlights on Pages 342 to 347.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

You will find BEGA UniLink compact floodlights in two different versions in the table on Page 347.

Floodlights **with earth spike** are suitable for non-permanent installation in the ground.

Floodlights **with connection adapters** can be combined with numerous accessories for installation on trees, pipes or wooden structures, for example.

Shields and exchangeable lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	370 to 1930 lm
Connected wattage	4.1 to 24.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium Earth spike made of glass fibre reinforced synthetic material 5 m connecting cable with UniLink plug connector	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
On request, the luminaires are available in the light colours green, blue, amber and red.	
20-year availability guarantee for LED modules	
Light distribution 43-51°	







Accessories for BEGA UniLink compact floodlights **with connection adapter** can be found on Page 577.

BEGA UniLink system components:



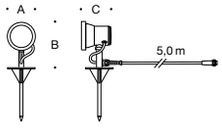
Mains plug
Type F/E (Europe)

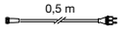


Extension cables

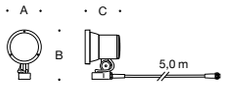


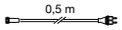
Five-way
distribution box





BEGA UniLink compact floodlights **with earth spike**								Connecting cable		Accessories	
Wide beam	LED		PSU	β	A	B	C	With mains plug			
84 836	4.1 W	370 lm	on/off	51°	105	175	110	**71 180**	Type F/E	**70 050**	**70 755**
84 837	15.0 W	1260 lm	on/off	46°	140	215	140	**71 180**	Type F/E	**70 055**	**70 756**
84 838	24.0 W	1930 lm	on/off	43°	160	230	165	**71 180**	Type F/E	**70 060**	**70 757**





BEGA UniLink compact floodlights **with connection adapter**								Connecting cable		Accessories	
Wide beam	LED		PSU	β	A	B	C	With mains plug			
84 844	4.1 W	370 lm	on/off	51°	105	150	110	**71 180**	Type F/E	**70 050**	**70 755**
84 845	15.0 W	1260 lm	on/off	46°	140	205	140	**71 180**	Type F/E	**70 055**	**70 756**
84 846	24.0 W	1930 lm	on/off	43°	160	225	165	**71 180**	Type F/E	**70 060**	**70 757**

BEGA UniLink system components · **With mains plug**		
71 180	Type F Type E	**Germany** and **Europe** **France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components	
71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle

Exchangeable lens · Flat beam

Shield





Performance floodlights **with outrigger arm and mounting box · With mounting box**
Performance floodlights for additive colour mixing **RGB W**

On Pages 348 to 353, you will find BEGA performance floodlights in various designs. The floodlights in four different housing sizes are characterised by their compact design and high luminaire luminous flux.
We use durable and virtually age-resistant materials, such as glass, aluminium and silicone, in the optical systems of these floodlights. Following extensive testing and as a matter of principle, we do not use commercial optical polymer lenses for light deflection. Neither their ageing resistance nor their thermal stability meet our requirements.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

Floodlights **with outrigger arm and mounting box** illuminate areas below or above their own installation point.

Floodlights **with mounting box** are suitable for installation on walls, ceilings and foundations provided by the customer.

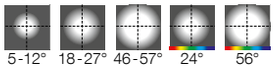
The **RGB W luminaires** can be controlled by DALI colour light control (DT 8, RGBWAF, xy,TC). Suitable DALI system components can be found on Page 568.

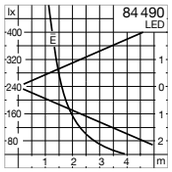
Shields, louvres and diffuser lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

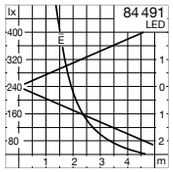
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

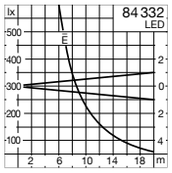
Luminaire data

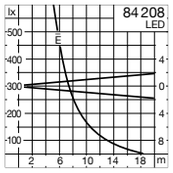
Luminaire luminous flux	395 to 8270 lm
Connected wattage	5.2 to 79.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass · Reflector surface	
Pure aluminium · Optical silicone lens	
BEGA Hybrid Optics®	
RGB W floodlights: BEGA Constant Optics®	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	
Light distribution	

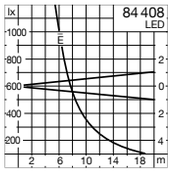


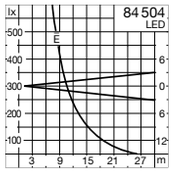


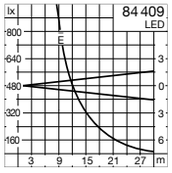


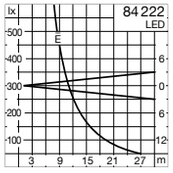


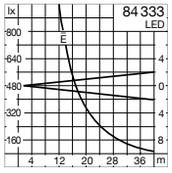


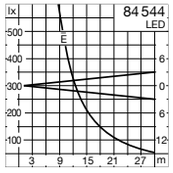


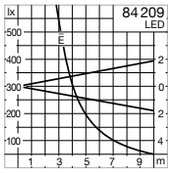


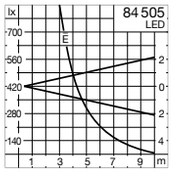


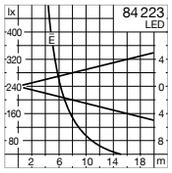


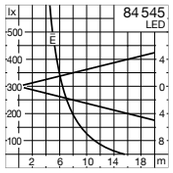


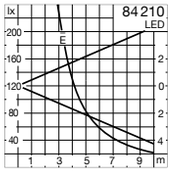


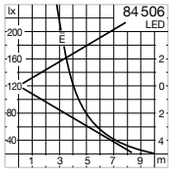


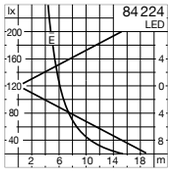


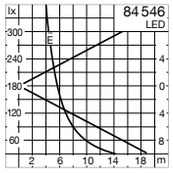












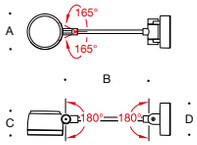
Accessories:


Shield


Louvre

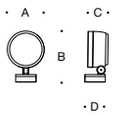
Diffuser lens
flat beam

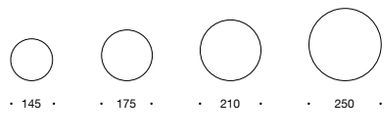




Performance floodlights **with outrigger arm and mounting box**

Wide beam	LED		PSU	β	A	B	C	D	AC/DC	Accessories		
										Diffuser lens · Flat beam	Shield	Louvre
84 490	5.2 W	495 lm	on/off	46°	145	700	100	130	✔	**71 120**	**71 118**	—
84 491	9.4 W	975 lm	DALI	46°	145	700	100	130	✔	**71 120**	**71 118**	—





Performance floodlights **with mounting box**

Focused	LED		PSU	β	A	B	C	D	AC/DC	Accessories		
										Diffuser lens · Flat beam	Shield	Louvre
84 332	10.2 W	395 lm	on/off	5°	145	225	120	100	✔	—	—	Integrated
84 208	20.3 W	1245 lm	DALI	8°	145	225	100	100	✔	**71 120**	**71 118**	Integrated
84 408	16.4 W	495 lm	DALI	5°	175	255	125	100	✔	—	—	Integrated
84 504	41.0 W	2115 lm	DALI	10°	175	255	100	100	✔	**71 113**	**71 111**	Integrated
84 409	29.8 W	1010 lm	DALI	5°	210	310	130	130	✔	—	—	Integrated
84 222	68.0 W	4180 lm	DALI	12°	210	310	130	130	✔	**71 123**	**71 121**	Integrated
84 333	60.0 W	2095 lm	DALI	5°	250	350	140	130	✔	—	—	Integrated
84 544	79.0 W	4430 lm	DALI	10°	250	350	140	130	✔	**71 074**	**71 072**	Integrated
Wide beam												
84 209	19.0 W	1935 lm	DALI	18°	145	225	100	100	✔	**71 120**	**71 118**	**71 119**
84 505	40.0 W	3885 lm	DALI	24°	175	255	100	100	✔	**71 113**	**71 111**	**71 112**
84 223	66.0 W	7035 lm	DALI	25°	210	310	130	130	✔	**71 123**	**71 121**	**71 122**
84 545	77.2 W	8270 lm	DALI	27°	250	350	140	130	✔	**71 074**	**71 072**	**71 073**
Very wide beam												
84 210	19.0 W	1940 lm	DALI	46°	145	225	100	100	✔	**71 120**	**71 118**	—
84 506	40.0 W	3910 lm	DALI	64°	175	255	100	100	✔	**71 113**	**71 111**	—
84 224	66.0 W	6915 lm	DALI	55°	210	310	130	130	✔	**71 123**	**71 121**	—
84 546	77.2 W	8170 lm	DALI	57°	250	350	140	130	✔	**71 074**	**71 072**	—



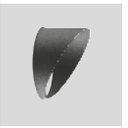
RGB W performance floodlights **with mounting box**

Wide beam	LED		PSU	β	A	B	C	D	AC/DC	Accessories
										Shield
84 866	24.0 W	1200 lm	DALI DT8	24°	145	225	100	100	✔	**71 118**
84 868	39.0 W	2000 lm	DALI DT8	24°	175	255	100	100	✔	**71 111**
Very wide beam										
84 867	24.0 W	1200 lm	DALI DT8	56°	145	225	100	100	✔	**71 118**
84 869	39.0 W	2000 lm	DALI DT8	56°	175	255	100	100	✔	**71 111**

β = Half beam angle Diffuser lens · Flat beam Shield Louvre



Accessories:



Shield



Louvre

Diffuser lens
flat beam

Performance floodlights **with G ½ · ISO 228 threaded connection**
Performance floodlights for additive colour mixing **RGB W**

On Pages 348 to 353, you will find BEGA performance floodlights in various designs.

Floodlights with G ½ threaded connection are suitable for installation on existing on-site G ½ threaded holes – in combination with BEGA accessories, this can be used for various floodlight installation applications. You will find suitable accessories for each floodlight on our website under the respective luminaire article number.
A complete overview of all accessories with G ½ threaded holes can be found on Page 574.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

Shields, louvres and diffuser lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

The **RGB W luminaires** can be controlled by DALI colour light control (DT 8, RGBWAF, xy, TC). Suitable DALI system components can be found on Page 568.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	395 to 8270 lm
Connected wattage	10.2 to 79.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens
BEGA Hybrid Optics®
RGB W floodlights:
BEGA Constant Optics®
1.0 m connecting cable with free cable ends

On/off or
DALI-controllable power supply units

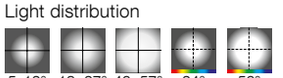
BEGA Thermal Management®

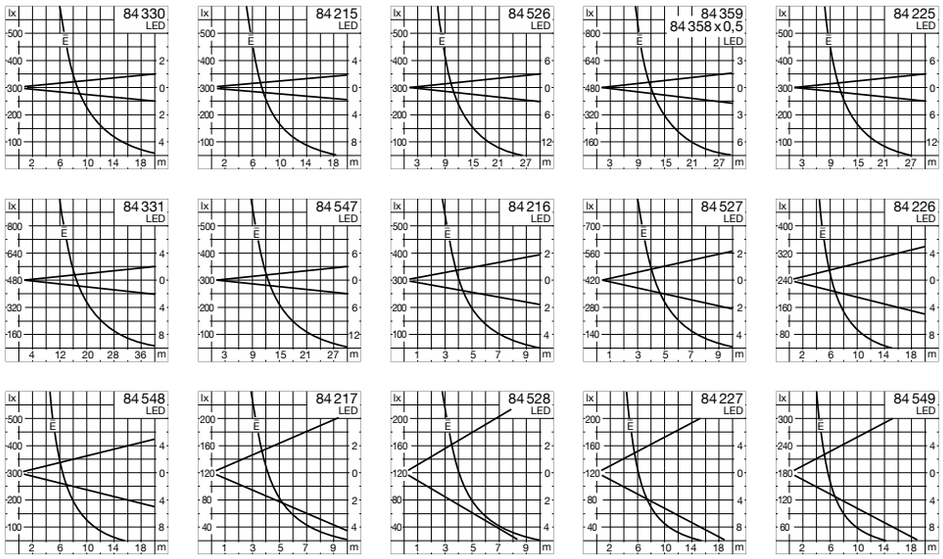
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules

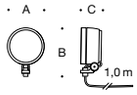
Light distribution

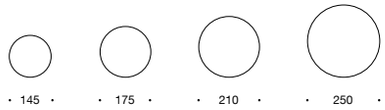






Suitable accessories for floodlights with **G ½ threaded connection** can be found on Page 574.





Performance floodlights **with G ½ threaded connection**

Focused	LED		PSU	β	A	B	C	AC/DC	Accessories		
84 330	10.2 W	395 lm	on/off	5°	145	225	120	✔	—	—	Integrated
84 215	20.3 W	1245 lm	DALI	8°	145	225	100	✔	**71 120**	**71 118**	Integrated
84 358	16.4 W	495 lm	DALI	5°	175	255	125	✔	—	—	Integrated
84 526	41.0 W	2115 lm	DALI	10°	175	255	100	✔	**71 113**	**71 111**	Integrated
84 359	29.8 W	1010 lm	DALI	5°	210	310	130	✔	—	—	Integrated
84 225	68.0 W	4180 lm	DALI	12°	210	310	130	✔	**71 123**	**71 121**	Integrated
84 331	60.0 W	2095 lm	DALI	5°	250	350	140	✔	—	—	Integrated
84 547	79.0 W	4430 lm	DALI	10°	250	350	140	✔	**71 074**	**71 072**	Integrated
Wide beam											
84 216	19.0 W	1935 lm	DALI	18°	145	225	100	✔	**71 120**	**71 118**	**71 119**
84 527	40.0 W	3885 lm	DALI	24°	175	255	100	✔	**71 113**	**71 111**	**71 112**
84 226	66.0 W	7035 lm	DALI	25°	210	310	130	✔	**71 123**	**71 121**	**71 122**
84 548	77.2 W	8270 lm	DALI	27°	250	350	140	✔	**71 074**	**71 072**	**71 073**
Very wide beam											
84 217	19.0 W	1940 lm	DALI	46°	145	225	100	✔	**71 120**	**71 118**	—
84 528	40.0 W	3910 lm	DALI	64°	175	255	100	✔	**71 113**	**71 111**	—
84 227	66.0 W	6915 lm	DALI	55°	210	310	130	✔	**71 123**	**71 121**	—
84 549	77.2 W	8170 lm	DALI	57°	250	350	140	✔	**71 074**	**71 072**	—

RGBW performance floodlights **with G ½ threaded connection**

Wide beam	LED		PSU	β	A	B	C	AC/DC	Accessories
84 870	24.0 W	1200 lm	DALI DT 8	24°	145	225	100	✔	**71 118**
84 872	39.0 W	2000 lm	DALI DT 8	24°	175	255	100	✔	**71 111**
Very wide beam									
84 871	24.0 W	1200 lm	DALI DT 8	56°	145	225	100	✔	**71 118**
84 873	39.0 W	2000 lm	DALI DT 8	56°	175	255	100	✔	**71 111**

β = Half beam angle · Diffuser lens · Flat beam · Shield · Louvre





BEGA UniLink performance floodlights **with earth spike · With connection adapter**

BEGA UniLink performance floodlights belong to the group of floodlights on Pages 348 to 353.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

You will find BEGA UniLink performance floodlights in two different versions in the table on Page 353.

Floodlights **with earth spike** are suitable for non-permanent installation in the ground.

Floodlights **with connection adapters** can be combined with numerous accessories for installation on trees, pipes or wooden structures, for example.

An overview of all accessories for floodlights with connection adapter can be found on Page 574.

Additional information on BEGA Hybrid Optics® can be found on Page 14.

Shields and exchangeable lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	975 to 3910 lm
Connected wattage	9.6 to 41.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel · Safety glass
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Hybrid Optics®
5 m connecting cable with UniLink plug connector

on/off power supply units

BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

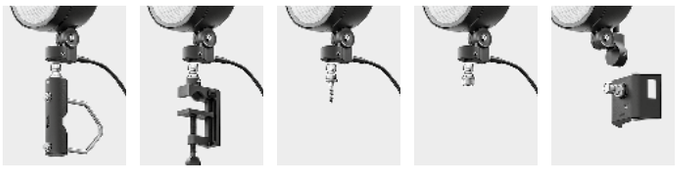
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

Performance floodlights with earth spike
Luminaire colour · BEGA Unidure®
Graphite

20-year availability guarantee for LED modules

Light distribution

46 - 64°



Accessories for BEGA UniLink floodlights **with connection adapter** can be found on Page 577.

BEGA UniLink system components:



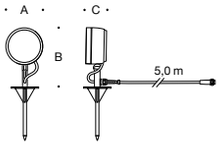
Mains plug
Type F/E
(Europe)

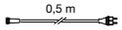


Extension cables

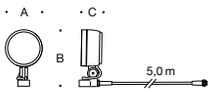


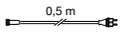
Five-way
distribution box





BEGA UniLink performance floodlights **with earth spike**								Connecting cable		Accessories	
Wide beam	LED		PSU	β	A	B	C	With mains plug			
84 488	9.6 W	975 lm	on/off	46°	145	235	100	**71 180**	Type F/E	**71 120**	**71 118**
84 489	19.3 W	1940 lm	on/off	46°	145	235	100	**71 180**	Type F/E	**71 120**	**71 118**
84 858	41.0 W	3910 lm	on/off	64°	175	265	100	**71 180**	Type F/E	**71 113**	**71 111**





BEGA UniLink performance floodlights **with connection adapter**								Connecting cable		Accessories	
Wide beam	LED		PSU	β	A	B	C	With mains plug			
84 847	9.6 W	975 lm	on/off	46°	145	225	100	**71 180**	Typ F/E	**71 120**	**71 118**
84 848	19.3 W	1940 lm	on/off	46°	145	225	100	**71 180**	Typ F/E	**71 120**	**71 118**
84 849	41.0 W	3910 lm	on/off	64°	175	255	100	**71 180**	Typ F/E	**71 113**	**71 111**

BEGA UniLink system components · **With mains plug**

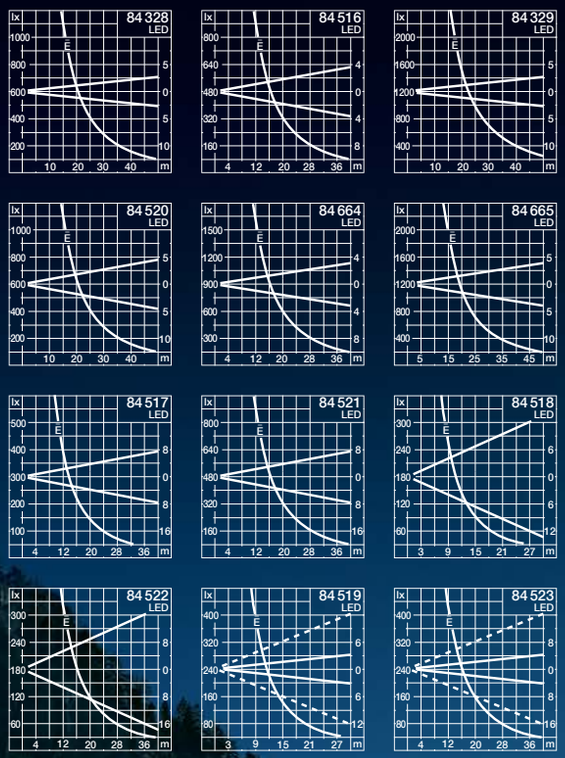
71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components

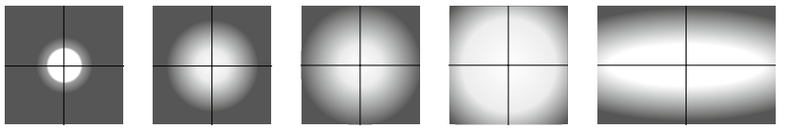
71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle Diffuser lens · Flat beam Shield









High-performance floodlights
High-performance floodlights for additive colour mixing **RGBW**

On Pages 354 to 357, you will find our high-performance floodlights in various designs. With a luminaire luminous flux of more than 42 000 lumens, they set new standards in terms of economy and efficiency.
This series continues our history of successful high-performance floodlights with all of the quality features.
These floodlights are characterised by the extremely long service lives of their LED and power supply units and of their precise optical systems.
We use durable and virtually age-resistant materials, such as glass, aluminium and silicone, in the optical systems of these floodlights.
Highly efficient reflectors create either very narrow beam, narrow beam, wide beam or flat beam light distribution for a wide variety of application situations.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

You will find suitable accessories for each floodlight on our website under the respective luminaire article number.
A complete overview of all accessories for high-performance floodlights can be found on Page 578.

Shields and internal louvres are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

The RGBW floodlights in this series can be controlled by DALI colour light control (DT 8, RGBWAF, xy). Suitable DALI system components can be found on Page 568.

Floodlights from this series for ambient temperatures max. t_a = 40/45/50 °C can be found on Page 356.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	3910 to 42 230 lm
Connected wattage	106.0 to 326.0 W
Protection class	IP 67

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens
Mounting bracket with one central hole Ø 22 mm and two Ø 9 mm holes 80 mm apart

BEGA Ultimate Driver® · DALI-controllable
Output manually adjustable in four steps 100 % · 70 % · 50 % · 30 %

Ambient temperature max. t_a = 25 °C
BEGA Thermal Management®

Focussed, very narrow beam and flat beam light distribution:
BEGA Hybrid Optics®

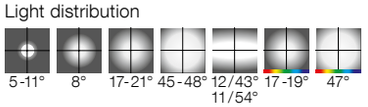
LED colour temperature
2200 K – article number + **K2**
3000 K – article number + **K3**
4000 K – article number + **K4**

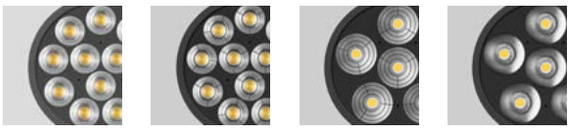
Luminaires 84 328 · 84 329 · 84 664 · 84 665
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite

20-year availability guarantee for LED modules

Light distribution





Accessories:



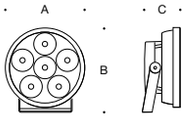
Shield



Louvre set



Suitable accessories for high-performance floodlights can be found on Page 578.



Focused light distribution with reduced diffuse light percentage

	LED		PSU	β	A	B	C	AC/DC	Accessories	
84 328	106.0 W	3910 lm	DALI	5°	380	410	175	✔	—	Integrated
84 516	132.0 W	7670 lm	DALI	11°	380	410	175	✔	**71 110**	Integrated
84 329	270.0 W	8165 lm	DALI	5°	500	530	220	✔	—	Integrated
84 520	323.0 W	14 955 lm	DALI	10°	500	530	220	✔	**71 101**	Integrated

Very narrow beam light distribution

	LED		PSU	β	A	B	C	AC/DC	Accessories	
84 664	138.5 W	14 285 lm	DALI	8°	380	410	175	✔	**71 110**	**71 109**
84 665	282.0 W	30 570 lm	DALI	8°	500	530	220	✔	**71 101**	**71 221**

Narrow beam light distribution

	LED		PSU	β	A	B	C	AC/DC	Accessories	
84 517	132.0 W	15 005 lm	DALI	17°	380	410	175	✔	**71 110**	**71 109**
84 521	326.0 W	41 335 lm	DALI	21°	500	530	220	✔	**71 101**	**71 105**

Wide beam light distribution

	LED		PSU	β	A	B	C	AC/DC	Accessories	
84 518	132.0 W	15 555 lm	DALI	45°	380	410	175	✔	**71 110**	—
84 522	326.0 W	42 230 lm	DALI	48°	500	530	220	✔	**71 101**	—

Flat beam light distribution

	LED		PSU	β	A	B	C	AC/DC	Accessories	
84 519	132.0 W	7435 lm	DALI	12/43°	380	410	175	✔	**71 110**	Integrated
84 523	323.0 W	14 870 lm	DALI	11/54°	500	530	220	✔	**71 101**	Integrated

RGB W · Narrow beam light distribution

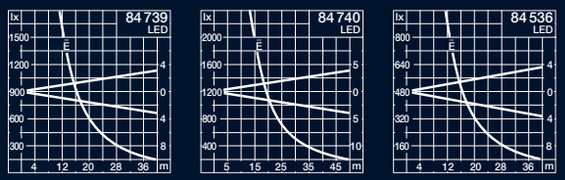
	LED		PSU	β	A	B	C	AC/DC	Accessories	
84 524	132.0 W	8340 lm	DALI DT 8	17°	380	410	175	✔	**71 110**	**71 109**
84 525	260.0 W	16 385 lm	DALI DT 8	19°	500	530	220	✔	**71 101**	**71 105**

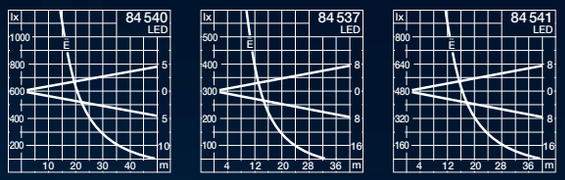
RGB W · Wide beam light distribution

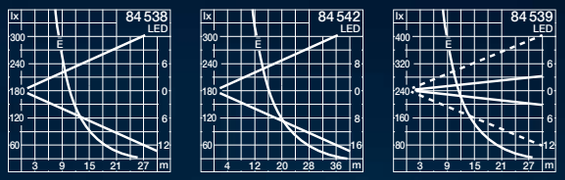
	LED		PSU	β	A	B	C	AC/DC	Accessories	
84 529	132.0 W	8335 lm	DALI DT 8	47°	380	410	175	✔	**71 110**	—
84 530	260.0 W	16 050 lm	DALI DT 8	47°	500	530	220	✔	**71 101**	—

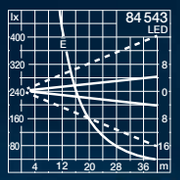
β = Half beam angle Shield Louvre

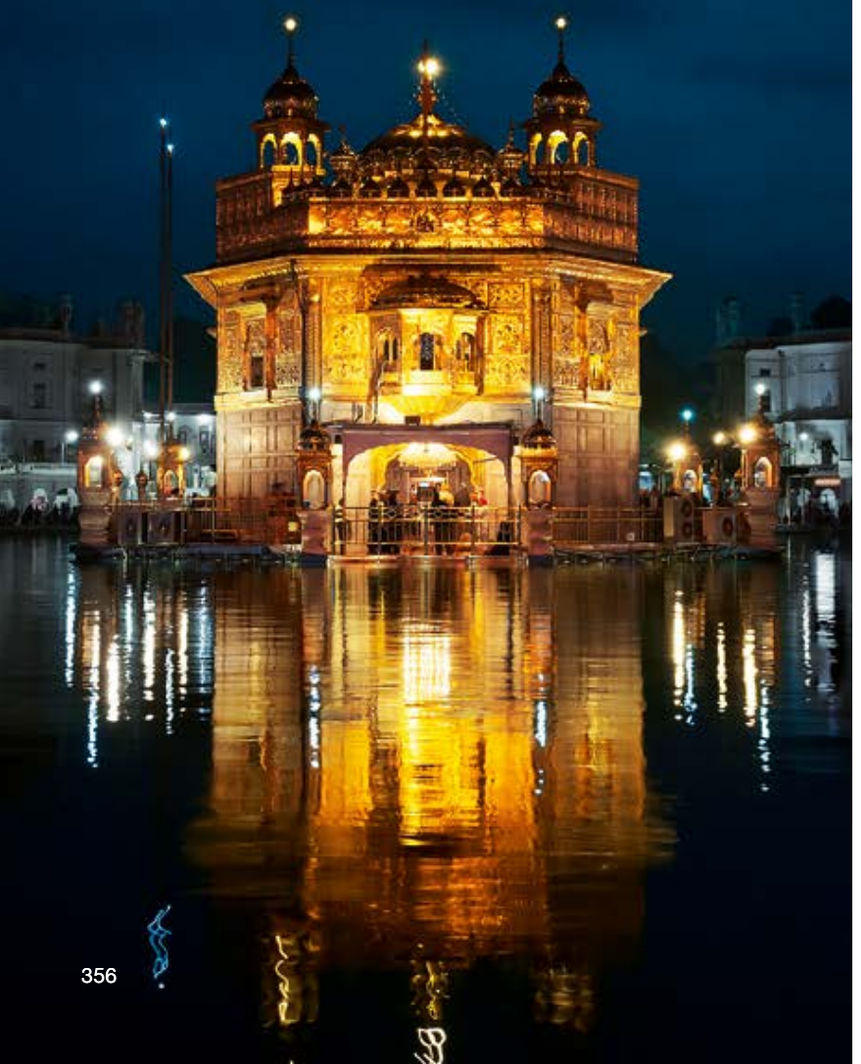


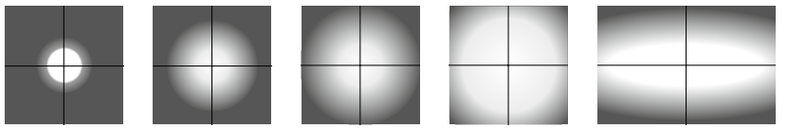












Focused | Very narrow beam | Narrow beam | Wide beam | Flat beam

High-performance floodlights **for high ambient temperatures · max. t_a = 40/45/50 °C**
High-performance floodlights for additive colour mixing **RGBW**

On Pages 354 to 357, you will find BEGA high-performance floodlights in various designs.

Floodlights for high ambient temperatures with various light distributions.

Shields and internal louvres are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

You will find suitable accessories for each floodlight on our website under the respective luminaire article number.
A complete overview of all accessories for high-performance floodlights can be found on Page 578.

The RGBW floodlights in this series can be controlled by DALI colour light control (DT 8, RGBWAF, xy). Suitable DALI system components can be found on Page 568.

Floodlights from this series for ambient temperatures max. t_a = 25 °C can be found on Page 354.

Additional information on BEGA Hybrid Optics® can be found on Page 14.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	7435 to 42 230 lm
Connected wattage	132.0 to 326.0 W
Protection class	IP 67

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens
Mounting bracket with one central hole Ø 22 mm and two Ø 9 mm holes 80 mm apart

BEGA Ultimate Driver® · DALI-controllable
Output manually adjustable in four steps 100 % · 70 % · 50 % · 30 %

Ambient temperature max. t_a = 40/45/50 °C
BEGA Thermal Management®

Focussed, very narrow beam and flat beam light distribution:
BEGA Hybrid Optics®

LED colour temperature
2200 K – article number + **K2**
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaires 84 739 · 84 740
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite

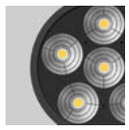
20-year availability guarantee for LED modules

Light distribution



10-11° | 8° | 17-21° | 45-48° | 12/43° 11/54° | 17-19° | 47°



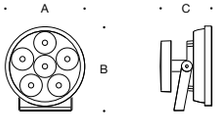



Accessories:


Shield


Louvre set


Suitable accessories for high-performance floodlights can be found on Page 578.



Focused light distribution with reduced diffuse light percentage

	LED		max. t_a	PSU	β	A	B	C	AC/DC	Accessories	
84 536	132.0 W	7670 lm	45 °C	DALI	11°	380	410	235	✔	**71 110**	Integrated
84 540	323.0 W	14 955 lm	40 °C	DALI	10°	500	530	310	✔	**71 101**	Integrated

Very narrow beam light distribution

	LED		max. t_a	PSU	β	A	B	C	AC/DC	Accessories	
84 739	138.5 W	14 285 lm	50 °C	DALI	8°	380	410	235	✔	**71 110**	**71 109**
84 740	282.0 W	30 570 lm	50 °C	DALI	8°	500	530	310	✔	**71 101**	**71 221**

Narrow beam light distribution

	LED		max. t_a	PSU	β	A	B	C	AC/DC	Accessories	
84 537	132.0 W	15 005 lm	45 °C	DALI	17°	380	410	235	✔	**71 110**	**71 109**
84 541	326.0 W	41 335 lm	45 °C	DALI	21°	500	530	310	✔	**71 101**	**71 105**

Wide beam light distribution

	LED		max. t_a	PSU	β	A	B	C	AC/DC	Accessories	
84 538	132.0 W	15 555 lm	45 °C	DALI	45°	380	410	235	✔	**71 110**	–
84 542	326.0 W	42 230 lm	45 °C	DALI	48°	500	530	310	✔	**71 101**	–

Flat beam light distribution

	LED		max. t_a	PSU	β	A	B	C	AC/DC	Accessories	
84 539	132.0 W	7435 lm	45 °C	DALI	12/43°	380	410	235	✔	**71 110**	Integrated
84 543	323.0 W	14 870 lm	40 °C	DALI	11/54°	500	530	310	✔	**71 101**	Integrated

RGB W · Narrow beam light distribution

	LED		max. t_a	PSU	β	A	B	C	AC/DC	Accessories	
84 550	132.0 W	8340 lm	45 °C	DALI DT 8	17°	380	410	235	✔	**71 110**	**71 109**
84 551	260.0 W	16 385 lm	45 °C	DALI DT 8	19°	500	530	310	✔	**71 101**	**71 105**

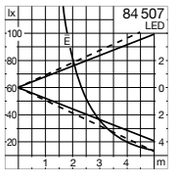
RGB W · Wide beam light distribution

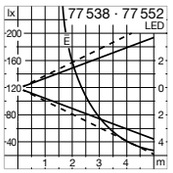
	LED		max. t_a	PSU	β	A	B	C	AC/DC	Accessories	
84 552	132.0 W	8335 lm	45 °C	DALI DT 8	47°	380	410	235	✔	**71 110**	–
84 553	260.0 W	16 050 lm	45 °C	DALI DT 8	47°	500	530	310	✔	**71 101**	–

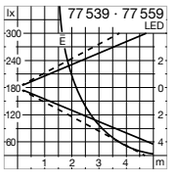


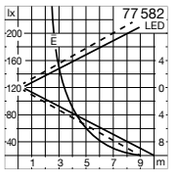
max. t_a = maximum permissible ambient temperature β = Half beam angle Shield Louvre

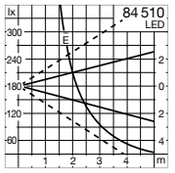


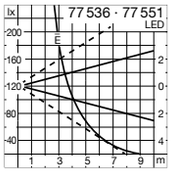


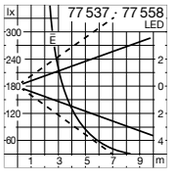


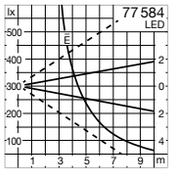












Surface floodlights **with outrigger arm and mounting box · With mounting box**
Surface floodlights for additive colour mixing **RGB W**

On Pages 358 to 363 you will find BEGA surface floodlights for different types of installation.
Compact, efficient and versatile – this series completes our range of surface floodlights. The series features not only highly efficient BEGA LED modules, three different housing sizes and reflectors for very wide beam or flat beam light distribution, but also a luminaire luminous flux of more than 7.000 lumens.

Floodlights **with outrigger arm and mounting box** illuminate areas below or above their own installation point.

Floodlights **with mounting box** are suitable for installation on walls, ceilings and foundations provided by the customer.

Shields are available as accessories for these floodlights. Please order accessories separately.

The **RGB W luminaires** can be controlled by DALI colour light control (DT 8, RGBWAF, xy). Suitable DALI system components can be found on Page 568.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1060 to 7025 lm
Connected wattage	11.9 to 73.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

on/off or
DALI-controllable power supply units

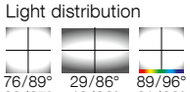
BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**
White – article number + **W**

20-year availability guarantee for LED modules

Light distribution



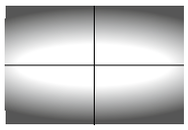
76/89°
92/97°

29/86°
40/96°

89/96°
81/83°

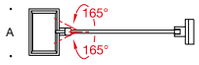


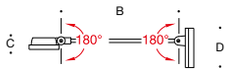
Very wide beam



Flat beam

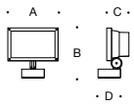


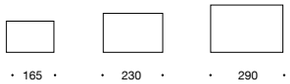




Surface floodlights **with outrigger arm and mounting box**

Very wide beam	LED		PSU	β	A	B	C	D	AC/DC	
77 552	20.7 W	2390 lm	DALI	76/89°	165 × 110	700	50	90 × 190	✔	**70 500**
77 559	30.4 W	3705 lm	DALI	92/97°	230 × 150	700	60	105 × 240	✔	**70 502**
Flat beam										
77 551	20.7 W	2175 lm	DALI	29/86°	165 × 110	700	50	90 × 190	✔	**70 500**
77 558	30.4 W	3600 lm	DALI	40/96°	230 × 150	700	60	105 × 240	✔	**70 502**





Surface floodlights **with mounting box**

Very wide beam	LED		PSU	β	A	B	C	D	AC/DC	
84 507	11.9 W	1185 lm	on/off	80/90°	165	185	90	100	✔	**70 500**
77 538	20.5 W	2390 lm	DALI	76/89°	165	185	90	100	✔	**70 500**
77 539	30.4 W	3705 lm	DALI	92/97°	230	225	100	100	✔	**70 502**
77 582	73.0 W	7025 lm	DALI	85/93°	290	270	125	100	✔	**70 525**
Flat beam										
84 510	11.9 W	1060 lm	on/off	28/87°	165	185	90	100	✔	**70 500**
77 536	20.5 W	2175 lm	DALI	29/86°	165	185	90	100	✔	**70 500**
77 537	30.4 W	3600 lm	DALI	40/96°	230	225	100	100	✔	**70 502**
77 584	73.0 W	6565 lm	DALI	32/88°	290	270	125	100	✔	**70 525**

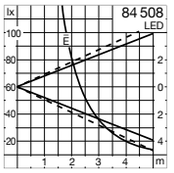


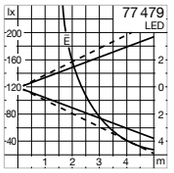
Surface floodlights **with mounting box · RGBW**

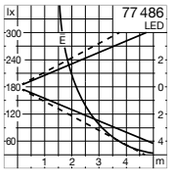
Very wide beam	LED		PSU	β	A	B	C	D	AC/DC	
84 391	35.0 W	1760 lm	DALI DT 8	89/96°	230	225	100	100	–	**70 502**
84 392	66.0 W	3585 lm	DALI DT 8	81/83°	290	270	125	100	✔	**70 525**

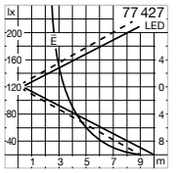
β = Half beam angle Shield

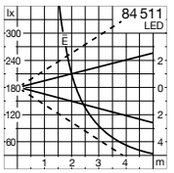


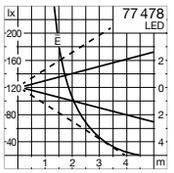


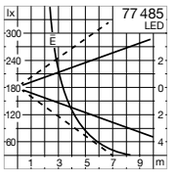


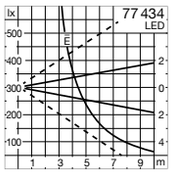












Surface floodlights
with G ½ · ISO 228 threaded connection

On Pages 358 to 363, you will find BEGA surface floodlights in various designs.

Floodlights with G ½ threaded connection are suitable for installation on existing on-site G ½ threaded holes – in combination with BEGA accessories, this can be used for various floodlight installation applications. You will find suitable accessories for each floodlight on our website under the respective luminaire article number. A complete overview of all accessories with G ½ threaded holes can be found on Page 574.

Shields are available as accessories for these floodlights. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1060 to 7025 lm
Connected wattage	11.9 to 73.0 W
Protection class I	P 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium 1.0 m connecting cable with free cable ends	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	
Light distribution	



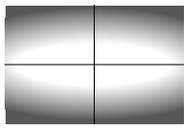
76/89°
92/97°



29/86°
40/96°



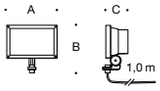
Very wide beam



Flat beam



Suitable accessories for floodlights with **G ½ threaded connection** can be found on Page 574.





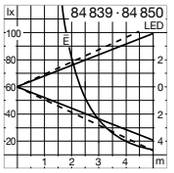
Surface floodlights **with G ½ threaded connection**

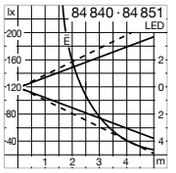
Very wide beam	LED		Netzteil	β	A	B	C	AC/DC	
84 508	11.9 W	1185 lm	on/off	80/90°	165	185	90	✔	**70 500**
77 479	20.5 W	2390 lm	DALI	76/89°	165	185	90	✔	**70 500**
77 486	30.4 W	3705 lm	DALI	92/97°	230	225	100	✔	**70 502**
77 427	73.0 W	7025 lm	DALI	85/93°	290	270	125	✔	**70 525**
Flat beam									
84 511	11.9 W	1060 lm	on/off	28/87°	165	185	90	✔	**70 500**
77 478	20.5 W	2175 lm	DALI	29/86°	165	185	90	✔	**70 500**
77 485	30.4 W	3600 lm	DALI	40/96°	230	225	100	✔	**70 502**
77 434	73.0 W	6565 lm	DALI	32/88°	290	270	125	✔	**70 525**

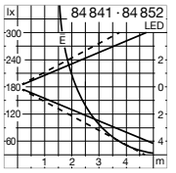
β = Half beam angle Shield











BEGA UniLink surface floodlights **with earth spike · With connection adapter**

BEGA UniLink surface floodlights belong to the group of floodlights on Pages 358 to 363.

All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

You will find BEGA UniLink surface floodlights in two different versions in the table on Page 363.

Floodlights **with earth spike** are suitable for non-permanent installation in the ground.

Floodlights **with connection adapters** can be combined with numerous accessories for installation on trees, pipes or wooden structures, for example.

An overview of all accessories for floodlights with connection adapter can be found on Page 577.

Shields are available as accessories for these floodlights. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1185 to 3705 lm
Connected wattage	11.9 to 32.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Reflector made of pure anodised aluminium Earth spike made of glass fibre reinforced synthetic material 5 m connecting cable with UniLink plug connector	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
Surface floodlights with earth spike Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution 76/89° 92/97°	







Accessories for BEGA UniLink floodlights **with connection adapter** can be found on Page 577.

BEGA UniLink system components:



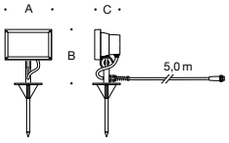
Mains plug
Type F/E
(Europe)

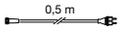


Extension cables

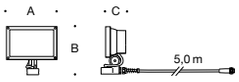


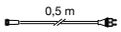
Five-way
distribution box





BEGA UniLink surface floodlights **with earth spike**									Connecting cable		
Very wide beam	LED		PSU	β	A	B	C		With mains plug		
84 839	11.9 W	1185 lm	on/off	80/90°	165×110	195	90		**71 180**	Typ F/E	**70 500**
84 840	20.5 W	2390 lm	on/off	76/89°	165×110	195	90		**71 180**	Typ F/E	**70 500**
84 841	32.5 W	3705 lm	on/off	92/97°	230×150	240	100		**71 180**	Typ F/E	**70 502**





BEGA UniLink surface floodlights **with connection adapter**									Connecting cable		
Very wide beam	LED		PSU	β	A	B	C		With mains plug		
84 850	11.9 W	1185 lm	on/off	80/90°	165	185	90		**71 180**	Typ F/E	**70 500**
84 851	20.5 W	2390 lm	on/off	76/89°	165	185	90		**71 180**	Typ F/E	**70 500**
84 852	32.5 W	3705 lm	on/off	92/97°	230	225	100		**71 180**	Typ F/E	**70 502**

BEGA UniLink system components · **With mains plug**

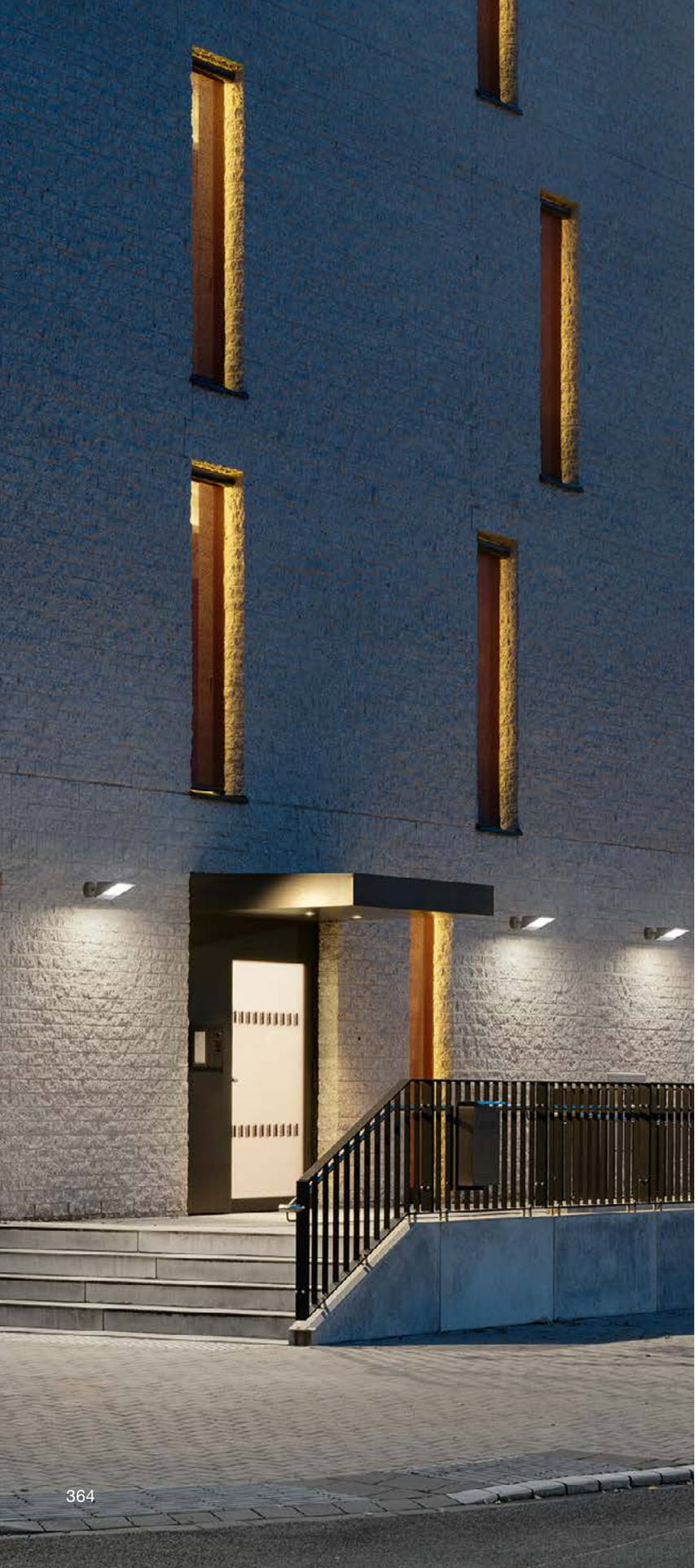
71 180	Type F Type E	**Germany** and **Europe** **France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

BEGA UniLink system components

71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

β = Half beam angle Shield







Surface floodlight
With outrigger arm and mounting box · With mounting box
With G ½ · ISO 228 threaded connection

BEGA surface floodlights for asymmetrical wide beam light distribution.
Compact, efficient and available in two different housing sizes with highly efficient BEGA LED modules and a luminaire luminous flux of more than 2600 lumens.

Floodlights **with outrigger arm and mounting box** illuminate areas below or above their own installation surface.

Floodlights **with mounting box** are suitable for installation on walls, ceilings and foundations provided by the customer.

Floodlights **with G ½ threaded connection** are suitable for installation on existing on-site G ½ threaded holes – in combination with BEGA accessories, this can be used for various floodlight installation applications. You will find suitable accessories for each floodlight on our website under the respective luminaire article number. A complete overview of all accessories with G ½ threaded holes can be found on Page 574.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1185 · 2660 lm
Connected wattage	13.5 · 22.2 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel

Safety glass

Reflector made of pure anodised aluminium

Luminaires with G ½ threaded connection: 1.0 m connecting cable with free cable ends

On/off or
DALI-controllable power supply units

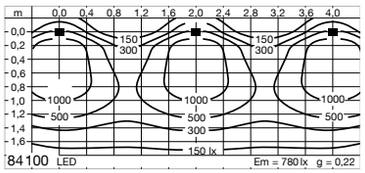
BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

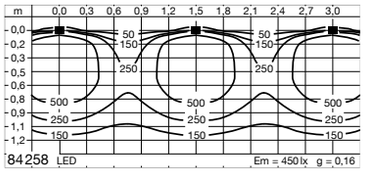
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

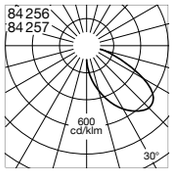
20-year availability guarantee for LED modules

Light distribution





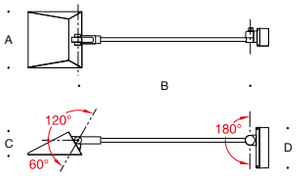






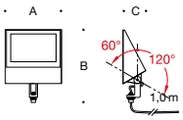
Suitable accessories for floodlights with **G ½ threaded connection** can be found on Page 574.





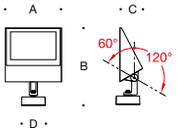
Surface floodlights **with outrigger arm and mounting box**

	LED		PSU	A	B	C	D	AC/DC
84 258	13.5 W	1185 lm	on/off	180	500	80	Ø 90	✔
84 100	22.2 W	2660 lm	DALI	260	700	105	90 × 190	✔



Surface floodlights **with G ½ threaded connection**

	LED		PSU	A	B	C	AC/DC
84 257	13.5 W	1185 lm	on/off	180	255	80	✔
84 099	22.2 W	2660 lm	DALI	260	335	105	✔



Surface floodlights **with mounting box**

	LED		PSU	A	B	C	D	AC/DC
84 256	13.5 W	1185 lm	on/off	180	285	80	90	✔
84 098	22.2 W	2660 lm	DALI	260	360	105	110	✔





Performance floodlights **with mounting box**
Performance floodlights for additive colour mixing **RGB W**

On Pages 366 to 371, you will find BEGA performance floodlights in various designs. This compact series boasts three different housing sizes and a luminaire luminous flux of more than 10 000 lumens.
Our patented reflectors (European Patent EP 3098504) enable perfect light deflection through intensive concentration of the light with maximum visual comfort.
Additional information on BEGA Vortex Optics® can be found on Page 14.
We have developed highly efficient reflectors with narrow beam, wide beam and asymmetrical light distribution for different applications.
We use durable and virtually age-resistant materials, such as glass, aluminium and silicone, in the optical systems of these floodlights.

Floodlights **with mounting box** are suitable for installation on walls, ceilings and foundations provided by the customer.

The **RGB W luminaires** can be controlled by DALI colour light control (DT 8, RGBWAF, xy). Suitable DALI system components can be found on Page 568.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	940 to 10 425 lm
Connected wattage	25.5 to 105.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel · Safety glass
Reflector surface made of pure aluminium BEGA Vortex Optics®

BEGA Ultimate Driver® · DALI-controllable

BEGA Thermal Management®

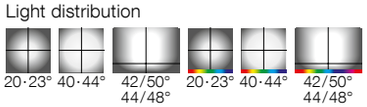
Luminaires 84 234 · 84 206 · 84 207 · 84 348 84 349 · 84 350:
Output manually adjustable in four steps 100 % · 75 % · 50 % · 30 %

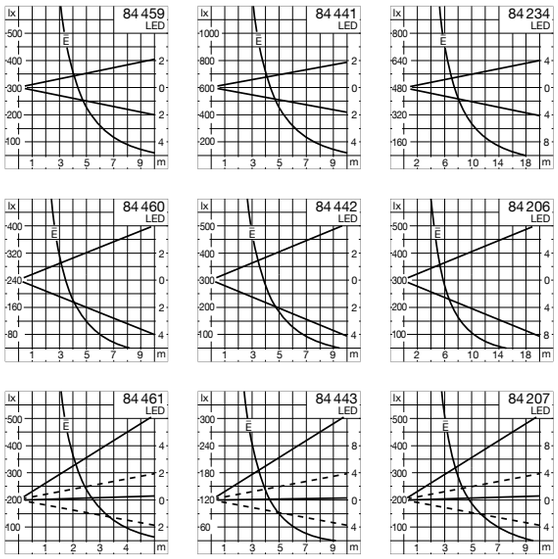
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

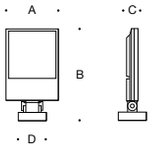
Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules

Light distribution







Performance floodlights **with mounting box**

Narrow beam	LED		PSU	β	A	B	C	D	AC/DC
84 459	26.6 W	1640 lm	DALI	23°	140	310	55	100	✔
84 441	42.5 W	2810 lm	DALI	23°	175	360	55	100	✔
84 234	105.0 W	7645 lm	DALI	23°	250	440	55	130	✔
Wide beam									
84 460	26.6 W	2855 lm	DALI	44°	140	310	55	100	✔
84 442	42.5 W	4605 lm	DALI	44°	175	360	55	100	✔
84 206	105.0 W	10 425 lm	DALI	44°	250	440	55	130	✔
Asymmetrical									
84 461	26.6 W	2575 lm	DALI	44/48°	140	310	55	100	✔
84 443	42.5 W	3720 lm	DALI	44/48°	175	360	55	100	✔
84 207	105.0 W	7740 lm	DALI	44/48°	250	440	55	130	✔

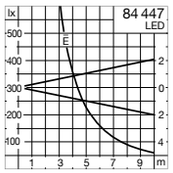
Performance floodlights **with mounting box · RGBW**

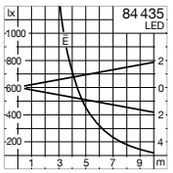
Narrow beam	LED		PSU	β	A	B	C	D	AC/DC
84 907	25.5 W	940 lm	DALI DT8	20°	140	310	55	100	✔
84 444	45.0 W	1700 lm	DALI DT8	20°	175	360	55	100	✔
84 348	105.0 W	3700 lm	DALI DT8	20°	250	440	55	130	✔
Wide beam									
84 908	25.5 W	1550 lm	DALI DT8	40°	140	310	55	100	✔
84 445	45.0 W	2805 lm	DALI DT8	40°	175	360	55	100	✔
84 349	105.0 W	6155 lm	DALI DT8	40°	250	440	55	130	✔
Asymmetrical									
84 909	25.5 W	1230 lm	DALI DT8	42/50°	140	310	55	100	✔
84 446	45.0 W	2240 lm	DALI DT8	42/50°	175	360	55	100	✔
84 350	105.0 W	4260 lm	DALI DT8	42/50°	250	440	55	130	✔

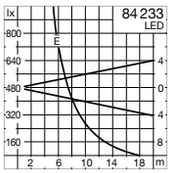
β = Half beam angle

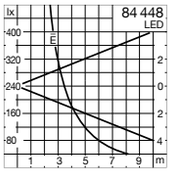


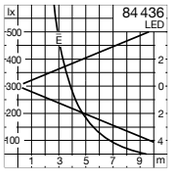


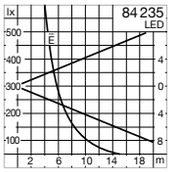


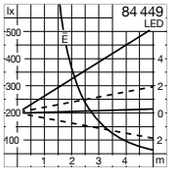


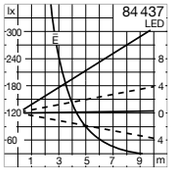


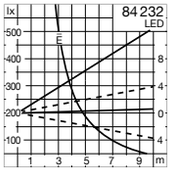












Performance floodlights
with G½ · ISO 228 threaded connection
Performance floodlights for
additive colour mixing **RGBW**

On Pages 366 to 371, you will find BEGA performance floodlights in various designs.

Floodlights **with G½ threaded connection** are suitable for installation on existing on-site G½ threaded holes – in combination with BEGA accessories, this can be used for various floodlight installation applications. You will find suitable accessories for each floodlight on our website under the respective luminaire article number.
A complete overview of all accessories with G½ threaded holes can be found on Page 574.
Our patented reflectors (European Patent EP 3098504) enable perfect light deflection through intensive concentration of the light with maximum visual comfort.
Additional information on BEGA Vortex Optics® can be found on Page 14.

The **RGBW luminaires** can be controlled by DALI colour light control (DT 8, RGBWAF, xy). Suitable DALI system components can be found on Page 568.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	940 to 10 425 lm
Connected wattage	25.5 to 105.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel

Safety glass

Reflector surface made of pure aluminium
BEGA Vortex Optics®

1.0 m connecting cable with free cable ends

BEGA Ultimate Driver® · DALI-controllable

BEGA Thermal Management®

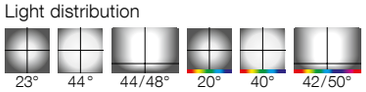
Luminaires 84 233 · 84 235 · 84 232 · 84 345
84 346 · 84 347:
Output manually adjustable in four steps
100 % · 75 % · 50 % · 30 %

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for
LED modules

Light distribution





Narrow beam



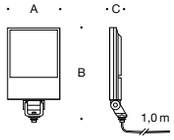
Wide beam



Asymmetrical



Suitable accessories for floodlights with **G ½ threaded connection** can be found on Page 574.



Performance floodlights **with G ½ threaded connection**

Narrow beam	LED		PSU	β	A	B	C	AC/DC
84 447	26.6 W	1640 lm	DALI	23°	140	310	55	✔
84 435	42.5 W	2810 lm	DALI	23°	175	360	55	✔
84 233	105.0 W	7645 lm	DALI	23°	250	440	55	✔
Wide beam								
84 448	26.6 W	2855 lm	DALI	44°	140	310	55	✔
84 436	42.5 W	4605 lm	DALI	44°	175	360	55	✔
84 235	105.0 W	10 425 lm	DALI	44°	250	440	55	✔
Asymmetrical								
84 449	26.6 W	2575 lm	DALI	44/48°	140	310	55	✔
84 437	42.5 W	3720 lm	DALI	44/48°	175	360	55	✔
84 232	105.0 W	7740 lm	DALI	44/48°	250	440	55	✔

Performance floodlights **with G ½ threaded connection · RGB W**

Narrow beam	LED		PSU	β	A	B	C	AC/DC
84 904	25.5 W	940 lm	DALI DT 8	20°	140	310	55	✔
84 438	45.0 W	1700 lm	DALI DT 8	20°	175	360	55	✔
84 345	105.0 W	3700 lm	DALI DT 8	20°	250	440	55	✔
Wide beam								
84 905	25.5 W	1550 lm	DALI DT 8	40°	140	310	55	✔
84 439	45.0 W	2805 lm	DALI DT 8	40°	175	360	55	✔
84 346	105.0 W	6155 lm	DALI DT 8	40°	250	440	55	✔
Asymmetrical								
84 906	25.5 W	1230 lm	DALI DT 8	42/50°	140	310	55	✔
84 440	45.0 W	2240 lm	DALI DT 8	42/50°	175	360	55	✔
84 347	105.0 W	4260 lm	DALI DT 8	42/50°	250	440	55	✔

β = Half beam angle





BEGA UniLink performance floodlights **with earth spike · With connection adapter**

BEGA UniLink performance floodlights belong to the group of floodlights on Pages 366 to 371.
All BEGA UniLink luminaires come with a factory-fitted, five-metre-long connecting cable with a waterproof plug connector. This can be used to connect extension cables or even five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example.
The system can be expanded or modified at any time by means of additional five-way distribution boxes and extension cables, and with additional luminaires with BEGA UniLink plug connectors.

All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.

An overview of all available national mains plugs and further information on BEGA UniLink can be found on Page 576.

Floodlights **with earth spike** are suitable for non-permanent installation in the ground.

Floodlights **with connection adapters** can be combined with numerous accessories for installation on trees, pipes or wooden structures, for example.

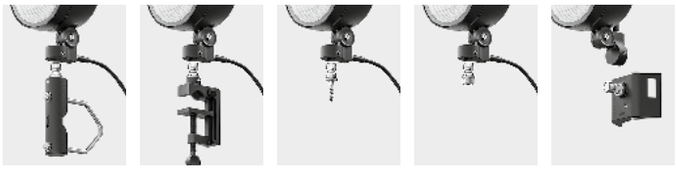
An overview of all accessories for floodlights with connection adapter can be found on Page 577.

Our patented reflectors (European Patent EP 3098504) enable perfect light deflection through intensive concentration of the light with maximum visual comfort.
Additional information on BEGA Vortex Optics® can be found on Page 14.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2855 · 4605 lm
Connected wattage	26.6 · 42.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel · Safety glass Reflector surface made of pure aluminium BEGA Vortex Optics® 5 m connecting cable with UniLink plug connector	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
Performance floodlights with earth spike Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution 44°	



Accessories for BEGA UniLink floodlights **with connection adapter** can be found on Page 577.

BEGA UniLink system components:



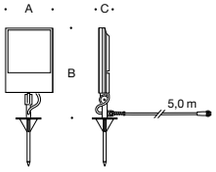
Mains plug
Type F/E (Europe)

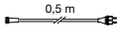


Extension cables



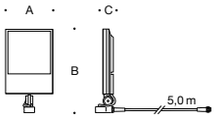
Five-way
distribution box

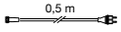




BEGA UniLink performance floodlights **with earth spike** — Connecting cable

Wide beam	LED		PSU	β	A	B	C	With mains plug	
84 843	26.6 W	2855 lm	on/off	44°	140	316	55	**71 180**	Type F/E
84 855	42.5 W	4605 lm	on/off	44°	175	365	55	**71 180**	Type F/E





BEGA UniLink performance floodlights **with connection adapter** — Connecting cable

Wide beam	LED		PSU	β	A	B	C	With mains plug	
84 853	26.6 W	2855 lm	on/off	44°	140	285	55	**71 180**	Type F/E
84 854	42.5 W	4605 lm	on/off	44°	175	335	55	**71 180**	Type F/E

BEGA UniLink system components · **With mains plug**

71 180	Type F	**Germany** and **Europe**
	Type E	**France** and **Belgium**
71 181	Type G	**Great Britain**
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

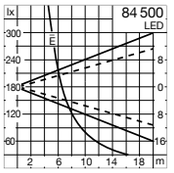
BEGA UniLink system components

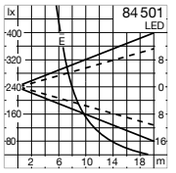
71 186	Extension cable · 5 m
71 187	Extension cable · 10 m
71 188	Extension cable · 20 m
71 189	Five-way distribution box

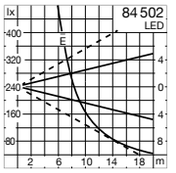
β = Half beam angle

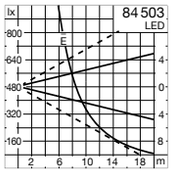












High-performance floodlights
High-performance floodlights for additive colour mixing **RGBW**

We have opened a new chapter in the history of our floodlights with these high-performance floodlights.
With a flat design and a luminaire luminous flux of more than 40.000 lumens, this series sets new standards in terms of economy and efficiency.
These floodlights are characterised by the long service lifer of their LED and power supply unit as well as their wear-free optical system.
We have developed highly efficient reflectors with very wide beam or flat beam light distribution for different applications.
We use durable and virtually age-resistant materials, such as glass, aluminium and silicone, in the optical systems of these floodlights.

You will find suitable accessories for each floodlight on our website under the respective luminaire article number.
A complete overview of all accessories for high-performance floodlights can be found on Page 578.

Shields and internal louvres that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

The RGBW luminaires can be controlled by DALI colour light control (DT8, RGBWAF, xy). Suitable DALI system components can be found on Page 568.

Shields and louvres that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	11070 to 40350 lm
Connected wattage	190.0 to 385.0 W
Protection class	IP 67

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium
Mounting bracket with one Ø 22 mm central hole and two Ø 9 mm holes
Distance apart 80 mm

BEGA Ultimate Driver® · DALI-controllable
Output manually adjustable in four steps
100 % · 70 % · 50 % · 30 %

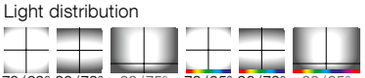
BEGA Thermal Management®

LED colour temperature
2200 K – article number + **K2**
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite

20-year availability guarantee for LED modules

Light distribution



70/62° 26/72° 63/75° 73/65° 26/73° 63/65°
76/58° 27/76° 65/75° 78/63° 27/78° 66/77°


Very wide beam


Flat beam

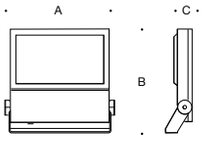

Asymmetrical

Accessories:


Shield


Louvre


Suitable accessories for high-performance floodlights can be found on Page 578.



High-performance floodlights · **Very wide beam**

	LED		PSU	β	A	B	C	AC/DC	Accessories	
									Shield	Louvre
84 500	190.0 W	20 950 lm	DALI	70/62°	525	500	90	✔	**71 108**	**71 107**
84 501	385.0 W	40 350 lm	DALI	76/58°	620	670	90	✔	**71 102**	**71 104**

High-performance floodlights · **Flat beam**

	LED		PSU	β	A	B	C	AC/DC	Accessories	
									Shield	Louvre
84 502	190.0 W	19 540 lm	DALI	26/72°	525	500	90	✔	**71 108**	**71 106**
84 503	385.0 W	39 170 lm	DALI	27/76°	620	670	90	✔	**71 102**	**71 103**

High-performance floodlights · **Asymmetrical**

	LED		PSU	β	A	B	C	AC/DC	Accessories	
									Shield	Louvre
84 764	190.0 W	17 805 lm	DALI	63/75°	525	500	90	✔	–	–
84 765	370.0 W	36 860 lm	DALI	65/75°	620	670	90	✔	–	–

High-performance floodlights · **RGBW · Very wide beam**

	LED		PSU	β	A	B	C	AC/DC	Accessories	
									Shield	Louvre
84 513	190.0 W	11 595 lm	DALI DT8	73/65°	525	500	90	✔	**71 108**	**71 107**
84 514	378.0 W	22 285 lm	DALI DT8	78/63°	620	670	90	✔	**71 102**	**71 104**

High-performance floodlights · **RGBW · Flat beam**

	LED		PSU	β	A	B	C	AC/DC	Accessories	
									Shield	Louvre
84 531	190.0 W	11 070 lm	DALI DT8	26/73°	525	500	90	✔	**71 108**	**71 106**
84 532	378.0 W	22 590 lm	DALI DT8	27/78°	620	670	90	✔	**71 102**	**71 103**

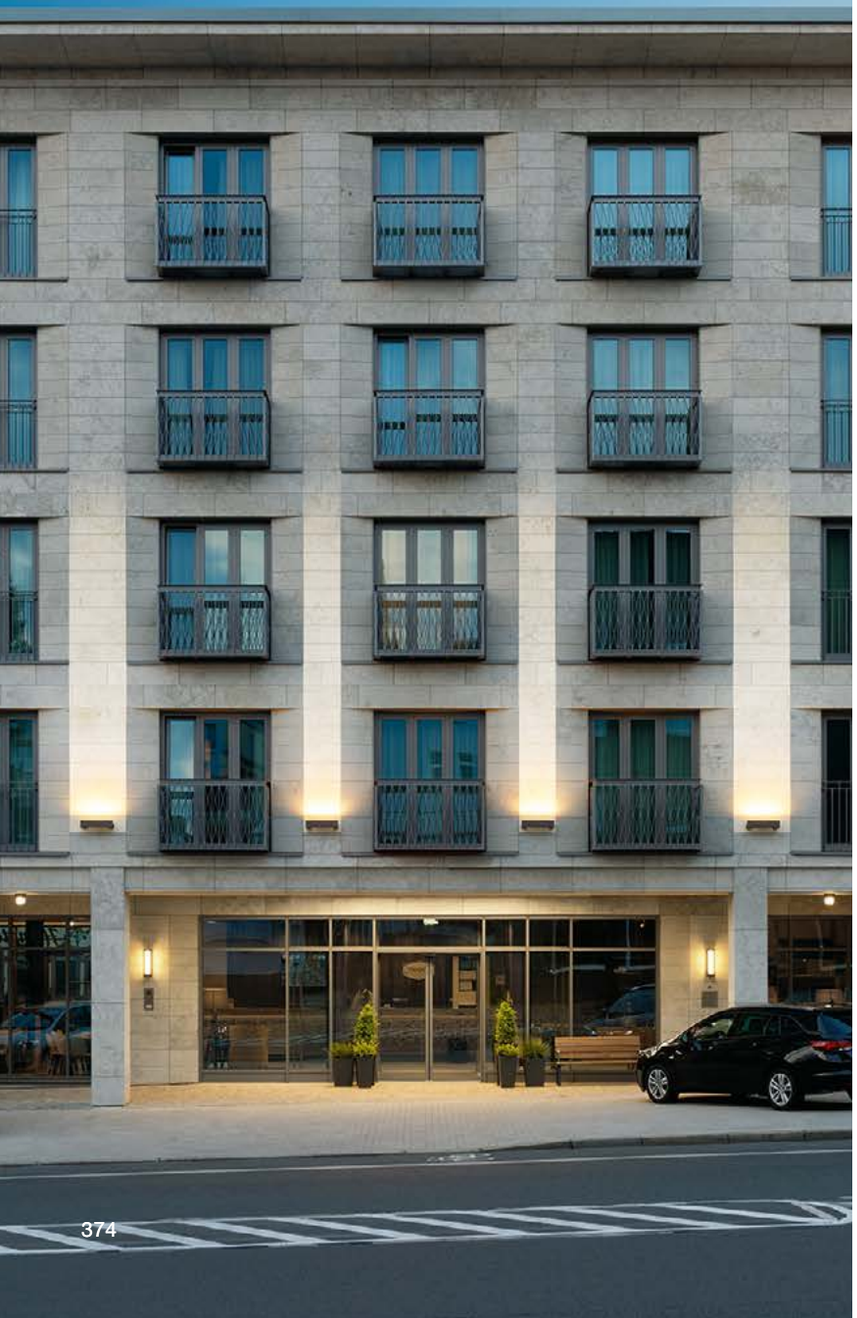
High-performance floodlights · **RGBW · Asymmetrical**

	LED		PSU	β	A	B	C	AC/DC	Accessories	
									Shield	Louvre
84 805	190.0 W	11 315 lm	DALI DT8	63/65°	525	500	90	✔	–	–
84 806	378.0 W	22 770 lm	DALI DT8	66/77°	620	670	90	✔	–	–

β = Half beam angle Shield Louvre







Façade floodlights

We have developed a linear façade floodlight in two lengths, specially designed for the wide-area illumination of partial or entire façades.
The floodlights on this page are available in two colour temperatures, 3000 K or 4000 K, with symmetrical or asymmetrical light distribution.
BEGA façade floodlights can be installed side by side to form a continuous light strip. The electrical connection to the next luminaire is established using convenient and easy-to-use five-pole plug connectors. We offer connection cables in various lengths for bridging larger distances.
The connection cables can also be used as maintenance cables.
On Pages 376 to 377, you can find these luminaires as façade floodlights in Tunable hite and RGBW versions with symmetrical or asymmetrical light distribution.

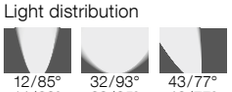
Please note:
A separate connection box is required for the electrical connection to the luminaires. If the luminaires are connected in series (max. 12 luminaires per connection), a connection box is only required for the first luminaire.
For installation with wall outrigger arms please order connection box 71 064. Connection boxes are accessories and must be ordered separately.
The connection from one luminaire to another is made with the connection cables supplied with the luminaires.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1115 to 2815 lm
Connected wattage	15.5 · 28.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

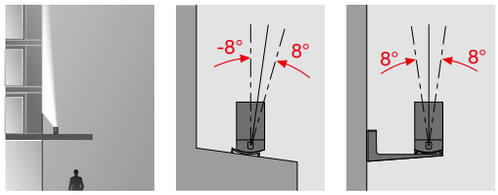
Light distribution



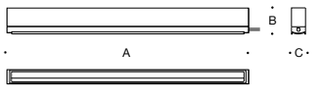
12/85°
14/89°

32/93°
32/95°

43/77°
46/77°



Façade floodlights can be mounted on cantilever plates, canopies or external window sills, or secured to a façade with wall outrigger arm 71 036.
The inclination angle of the floodlight is adjustable.
Please observe the instructions for use.





Façade floodlights · **Symmetrical narrow beam**

	LED		PSU	β	A	B	C	AC/DC
77 152	15.5 W	1380 lm	DALI	12/85°	520	105	60	✔
77 153	28.0 W	2815 lm	DALI	14/89°	1000	105	60	✔



Façade floodlights · **Symmetrical wide beam**

	LED		PSU	β	A	B	C	AC/DC
77 154	15.5 W	1285 lm	DALI	32/93°	520	105	60	✔
77 155	28.0 W	2410 lm	DALI	32/95°	1000	105	60	✔



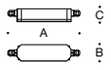
Façade floodlights · **Asymmetrical**

	LED		PSU	β	A	B	C	AC/DC
77 156	15.5 W	1115 lm	DALI	43/77°	520	105	60	✔
77 157	28.0 W	2165 lm	DALI	46/77°	1000	105	60	✔

β = Half beam angle

Accessories

When installing in series (max. 12 luminaires per connection), a connection box is only required for the first luminaire.
For installation with wall outrigger arms please order connection box 71 064.



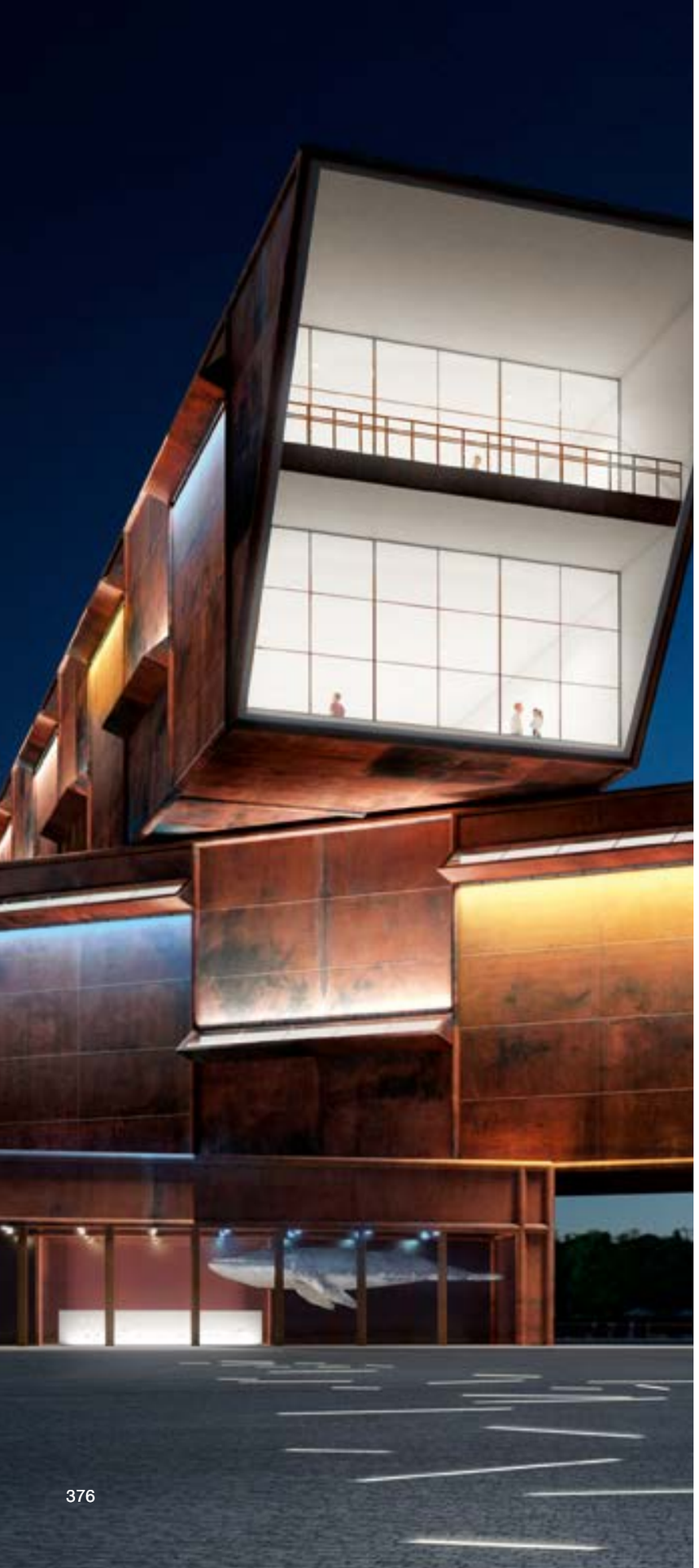
70 555 · 71 064



71 036

		A	B	C
70 555	Connection box	250	55	45
71 064	Connection box for wall outrigger arms	255	65	60
71 036	Wall outrigger arm	160	65	75
71 037	Connection cable 2 m			
70 556	Connection cable 5 m			
70 557	Connection cable 10 m			





We have developed a linear LED façade floodlight in two lengths especially for the large-area illumination of facades or sections of facades.
The floodlights on this page are available as RGBW luminaires or with variable colour temperature (tunable white).
The luminaires can be controlled via DALI colour light control (DT 8, RGBWAF, xy).
Suitable DALI system components can be found on Pages 568 to 571.
BEGA façade floodlights can be installed side by side to form a continuous light strip. The electrical connection to the next luminaire is established using convenient and easy-to-use five-pole plug connectors.
We offer connection cables in various lengths for bridging larger distances.
The connection cables can also be used as maintenance cables.
On Pages 374 to 375, you can find these luminaires as façade floodlights in two colour temperatures, 3000 K or 4000 K, with symmetrical or asymmetrical light distribution.

Please note:
A separate connection box is required for the electrical connection to the luminaires.
If the luminaires are connected in series (max. 12 luminaires per connection), a connection box is only required for the first luminaire.
For installation with wall outrigger arms please order connection box 71 064.
Connection boxes are accessories and must be ordered separately.

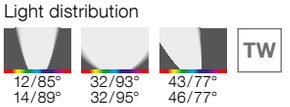
The connection from one luminaire to another is made with the connection cables supplied with the luminaires.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

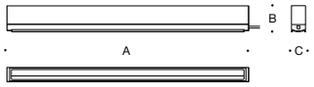
Luminaire data

Luminaire luminous flux	470 to 2765 lm
Connected wattage	16.0 to 30.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

Light distribution



12/85° 14/89° | 32/93° 32/95° | 43/77° 46/77°





Symmetrical narrow beam · RGBW

	LED		PSU	β	A	B	C	AC/DC
84 199	17.0 W	635 lm	DALI DT8	12/85°	520	105	60	✔
84 200	30.0 W	1315 lm	DALI DT8	14/89°	1000	105	60	✔

Symmetrical narrow beam · Tunable white · 2700–6500 K

	LED		PSU	β	A	B	C	AC/DC
84 375	16.0 W	1270 lm	DALI DT8	12/85°	520	105	60	✔
84 376	30.0 W	2765 lm	DALI DT8	14/89°	1000	105	60	✔



Symmetrical wide beam · RGBW

	LED		PSU	β	A	B	C	AC/DC
84 179	17.0 W	560 lm	DALI DT8	32/93°	520	105	60	✔
84 180	30.0 W	1100 lm	DALI DT8	32/95°	1000	105	60	✔

Symmetrical wide beam · Tunable white · 2700–6500 K

	LED		PSU	β	A	B	C	AC/DC
84 377	16.0 W	1175 lm	DALI DT8	32/93°	520	105	60	✔
84 378	30.0 W	2245 lm	DALI DT8	32/95°	1000	105	60	✔



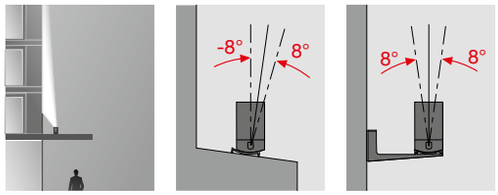
Asymmetrical · RGBW

	LED		PSU	β	A	B	C	AC/DC
84 177	17.0 W	470 lm	DALI DT8	43/77°	520	105	60	✔
84 178	30.0 W	950 lm	DALI DT8	46/77°	1000	105	60	✔

Asymmetrical · Tunable white · 2700–6500 K

	LED		PSU	β	A	B	C	AC/DC
84 379	16.0 W	985 lm	DALI DT8	43/77°	520	105	60	✔
84 380	30.0 W	1985 lm	DALI DT8	46/77°	1000	105	60	✔

β = Half beam angle



Façade floodlights can be mounted on cantilever plates, canopies or external window sills, or secured to a façade with wall outrigger arm 71 036.
The inclination angle of the floodlight is adjustable.
Please observe the instructions for use.

Accessories

When installing in series (max. 12 luminaires per connection), a connection box is only required for the first luminaire.
For installation with wall outrigger arms please order connection box 71 064.



70 555 · 71 064



71 036

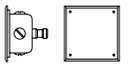
		A	B	C
70 555	Connection box	250	55	45
71 064	Connection box for wall outrigger arms	255	65	60
71 036	Wall outrigger arm	160	65	75
71 037	Connection cable 2 m			
70 556	Connection cable 5 m			
70 557	Connection cable 10 m			





Distribution box made of stainless steel

Distribution box for installation in floor and wall surfaces
For installing the cables of swimming pool luminaires in safety class III
Protection class IP 67 · Stainless steel, material number 1.4301, electropolished
Technical data can be found in the distribution box data sheet on our website.



70 223 Distribution box

Recessed luminaires for swimming pools

Recessed luminaires for private and public swimming pools.

BEGA underwater luminaires in different sizes and light outputs are suitable for installation in concrete, foil, metal or synthetic pools.

The luminaires may only be operated under water. To avoid harmful deposits and dirt on the luminaires, the water must have a neutral pH value and must be free of components that attack metal.

Suitable safety transformers 24 V DC in accordance with EN 61558/VDE 0570 Part 2-6 for the operation of these swimming pool luminaires can be found on Page 566.

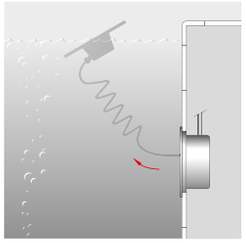
An operating device is required to operate RGB W luminaire 99 815.
Additional information on BEGA operating devices can be found on Page 569.

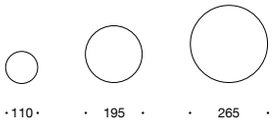
Safety regulations must be observed when installing and operating these luminaires and operating devices.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

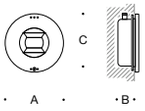
Luminaire data

Luminaire luminous flux	205 to 4610 lm
Connected wattage	3.9 to 62.0 W
Size	Ø 110 · 195 · 265 mm
Protection class	IP 68 10 m
Safety class	III
Stainless steel, material number 1.4404, electropolished	
Safety glass	
Reflector made of pure anodised aluminium	
A separate 24 V DC power supply unit is required to operate the luminaires.	
Chlorine water-resistant cable	
Recommended installation depth 400 to 700 mm below water surface	
Colour temperature 3000 K – article number + **K3**	
20-year availability guarantee for LED modules	









Recessed luminaires · 24 V DC

	LED		PSU	A	B	C
88 913	3.9 W	205 lm	without* · 24 V DC	110	120	80
99 812	9.9 W	815 lm	without* · 24 V DC	195	65	150
99 814	18.3 W	2080 lm	without* · 24 V DC	265	70	210
84 400	62.0 W	4610 lm	without* · 24 V DC	265	70	210
99 815	RGB W	30.0 W	without* · 24 V DC	265	70	210

* Suitable safety transformers 24 V DC in accordance with EN 61558/VDE 0570 Part 2-6 for the operation of these swimming pool luminaires can be found on Page 566.



Underwater floodlights

Underwater floodlights for the illumination of ponds, water pools and water features in private and public areas.
These luminaires are available in two versions:

- Floodlight without built-in power supply unit, SC III, supply voltage 24 V DC
- Floodlight with built-in power supply unit, SC I, supply voltage 230 V AC BEGA Thermal Management®.

The luminaires may only be operated under water. To avoid harmful deposits and dirt on the luminaires, the water must have a neutral pH value and must be free of components that attack metal.

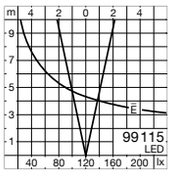
Technical data on power supply units for operating floodlights without a built-in power supply unit can be found on Page 566.

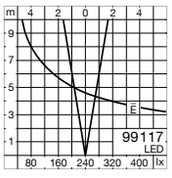
Safety regulations must be observed when installing and operating these luminaires and operating devices.

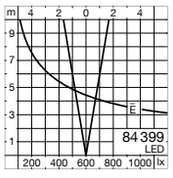
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

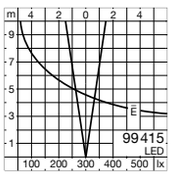
Luminaire data

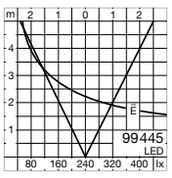
Luminaire luminous flux	1315 to 3745 lm
Connected wattage	13.7 to 62.0 W
Size	Ø 135 · 190 · 220 mm
Protection class	IP 68 20 m
Stainless steel, material number 1.4301, electropolished	
Safety glass	
Reflector made of pure anodised aluminium	
Water-resistant cable	
Mounting bracket for horizontal and vertical floodlight adjustment	
Colour temperature 3000 K – article number + **K3**	
20-year availability guarantee for LED modules	

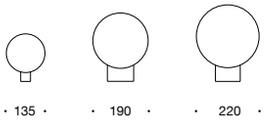




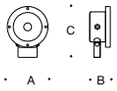






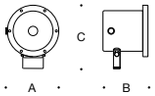






Without power supply unit* · 24 V DC · Safety class III

	LED		PSU	A	B	C
99 115	13.7 W	1315 lm	without*	135	65	170
99 117	18.3 W	1690 lm	without*	190	95	235
84 399	62.0 W	3745 lm	without*	190	95	235

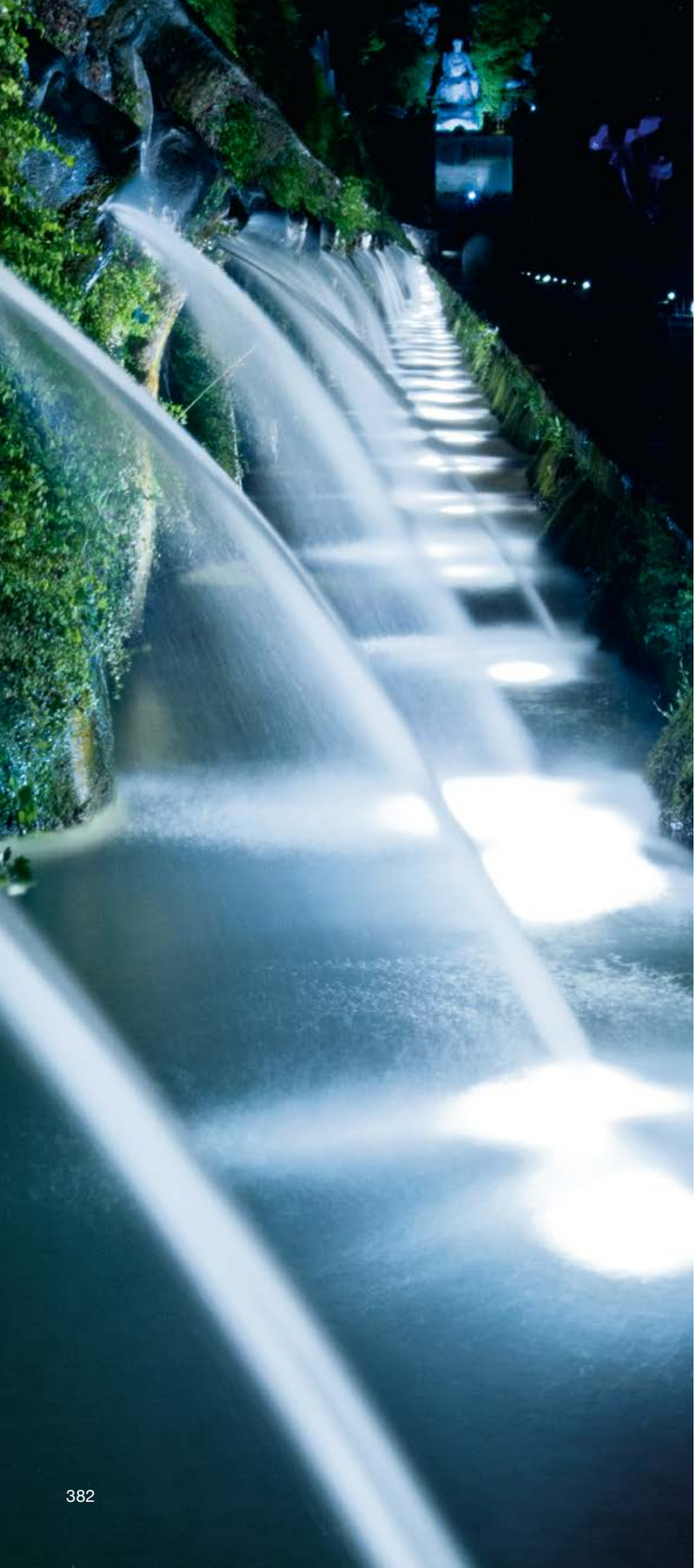


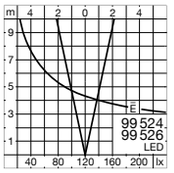
With built-in power supply unit · 230 V AC · Safety class I

	LED		PSU	β	A	B	C
99 415	20.8 W	2000 lm	on/off	16°	220	195	270
99 445	20.8 W	2120 lm	on/off	54°	220	195	270



*Suitable 24 V DC power supply units can be found on Page 566. β = Half beam angle





Underwater floodlights ready for connection
Consisting of **one** or **two** floodlights
with external power supply unit
and connecting cable with plug

Underwater floodlights for the illumination of ponds, water pools and water features in private and public areas.
These units are ready for connection and consist of one or two floodlights with power supply unit and connecting cable with mains plug.
Please note that underwater floodlights may only be operated under water. To avoid harmful deposits and dirt on the luminaires, the water must have a neutral pH value and must be free of components that attack metal.

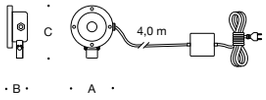
Safety regulations must be observed when installing and operating these luminaires and operating devices.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

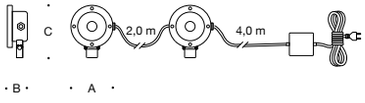
Luminaire luminous flux	1315 · 2630 lm
Connected wattage	21.0 · 40.0 W
Size	Ø 135 mm
Protection class Safety class	IP 68 4 m III
Stainless steel, material number 1.4301, electropolished Safety glass Reflector made of pure anodised aluminium	
on/off power supply units	
BEGA Thermal Management®	
Mounting bracket for horizontal and vertical floodlight adjustment	
Safety transformer: Protection class IP 66 · Safety class II 2 m connecting cable with type F/E mains plug	
Colour temperature 3000 K – article number + **K3**	
20-year availability guarantee for LED modules	





One ready-to-connect floodlight and power supply unit

	LED		PSU	A	B	C
99 524	21.0 W	1315 lm	on/off	135	65	170



Two ready-to-connect floodlights and power supply unit

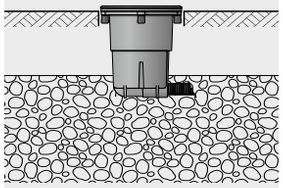
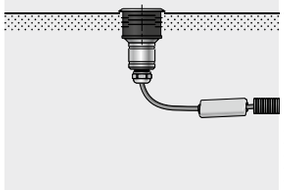
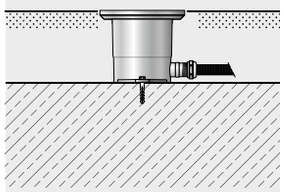
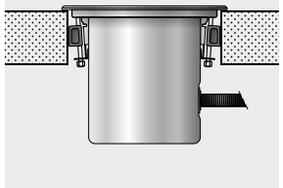
	LED		PSU	A	B	C
99 526	40.0 W	2630 lm	on/off	135	65	170

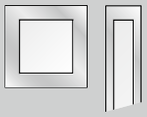
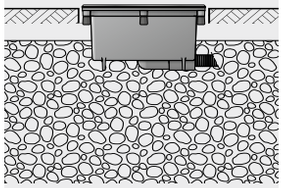
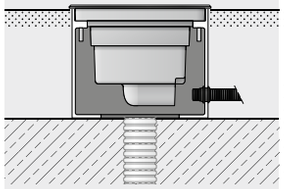
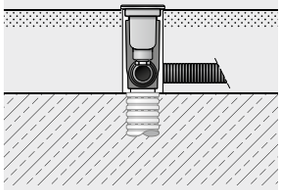
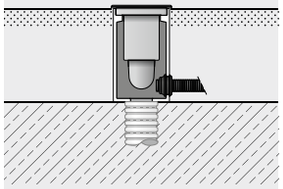


In-ground luminaires

For more than 50 years, we have been working intensively on illumination from ground level. We had a formative influence on many of the current standards according to which the quality of this group of luminaires is judged. There is a large number of requirements that these luminaires have to meet and just as many installation situations. The pressure loads to which a luminaire can be subjected when driven over are equally important as protection against flooding, for example. Depending on the installation depth and ground quality at the installation site, the installation depth of a product and also the material of a luminaire may play a decisive role.

This summary of our drive-over in-ground luminaires is intended to provide a compact overview of the most important criteria and to help you quickly find the most suitable series. Current values and other technical data can be found in the luminaire data sheet on our website.

Page	386	388	390	392 - 395	396 - 399
					
Description	Luminaires for installation in soil	Luminaires with compact dimensions for installation in holes drilled by the customer 24 V DC	Luminaires with small dimensions for flush-mounting installation	Luminaires for installation in round cut-outs made by the customer	Luminaires for installation in ground surfaces
Pressure load	Resistant to foot traffic	1000 kg	2000 kg	2000 kg	2000 kg
Material	Stainless steel · Synthetic material	Stainless steel	Stainless steel · Cast stainless steel	Stainless steel	Stainless steel
Protection class	IP 67	IP 68 · 20 m	IP 68 · 10 m	IP 68 · 10 m	IP 68 · 10 m
Installation depth	120 · 170 mm	65 · 80 mm	60 · 100 mm	80 - 225 mm	80 - 310 mm
Size	Ø 110 · 145 mm	Ø 37 · 50 · 75 mm	Ø 75 · 115 mm	Ø 155 - 330 mm	Ø 145 - 410 mm
Light distribution					

Page	406	408	390	410	412
					
Description	Luminaires for installation in soil	Luminaires for installation situations with high pressure load	Luminaires with small dimensions for flush-mounting installation	Luminaires for installation situations with shallow installation depth 24 V DC	Luminaires for installation situations with shallow installation depth
Pressure load	Resistant to foot traffic	5000 kg	2000 kg	1000 kg	1000 kg
Material	Stainless steel · Synthetic material	S/steel · Cast alu. · Synthetic material	Stainless steel · Cast stainless steel	Stainless steel · Aluminium	Stainless steel · Aluminium
Protection class	IP 67	IP 68 · 10 m	IP 68 · 10 m	IP 67	IP 67
Installation depth	85 · 95 mm	170 mm	60 · 100 mm	70 · 100 mm	130 mm
Size	Length 160 · 240 mm	□ 185 · 220 mm	□ 75 · 115 mm	Length 100 - 1000 mm	Length 535 · 1025 · 1520 mm
Light distribution					

Light distribution:

 Location luminaires

 Floodlights Symmetrical narrow beam

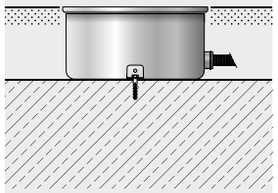
 Floodlights Symmetrical

 Floodlights Asymmetrical

 Floodlights adjustable

 RGBW

400

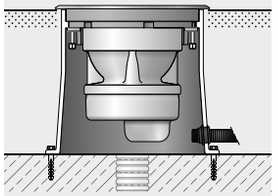


Luminaires for installation situations with shallow installation depths and for flush installation

3000 kg
S/steel · Cast stainless steel
IP 68 · 10 m
130 mm
Ø 205 · 260 mm



402 - 405

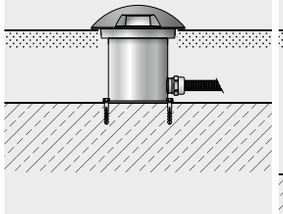


Luminaires for installation situations with high pressure loads

5000 kg
S/steel · Cast alu. · Synthetic material
IP 68 · 10 m
220 · 230 · 250 mm
Ø 205 · 240 · 330 mm



414

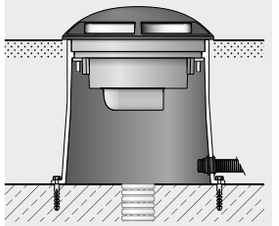


Luminaires with compact dimensions for the illumination of ground surfaces

1000 kg
Stainless steel · Cast aluminium
IP 67
95 mm
Ø 120 mm



416

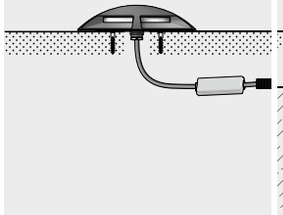


Luminaires for installation situations with high pressure loads for the illumination of ground surfaces

4000 kg
Cast alu. · Synthetic material
IP 67
230 mm
Ø 240 mm



418

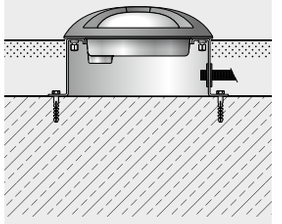


Luminaires for installation on the ground to illuminate ground surfaces

1000 kg
Stainless steel · Cast aluminium
IP 67
–
Ø 160 · 270 mm



420



Luminaires with a shallow installation depth for the illumination of vertical surfaces

1000 kg
Cast aluminium/bronze · S/steel
IP 67
110 mm
Ø 285 mm









Floodlights
Symmetrical



Floodlights
Asymmetrical

Walk-over in-ground luminaires · Floodlights
for installation in soil

Walk-over in-ground luminaires as floodlights with symmetrical or asymmetrical light distribution specially designed for installation in gravel, lawns or flower beds in private gardens. They can be installed in soil without a drainage connection or foundation.
Perfect for showcasing or accentuating small trees, shrubs and other decorative objects in private gardens. Luminaires that allow you to experience the beauty of the garden even by night.

Economical and long-lasting luminaires, thanks to modern LED technology, with a warm white colour temperature of 3000 K.

Rectangular luminaires of this design can be found on Page 406.

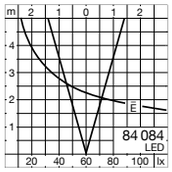
If through-wiring to a further luminaire is required, we recommend using BEGA distribution boxes. Additional information can be found on Page 581.

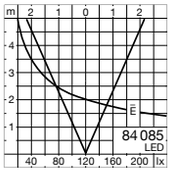
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

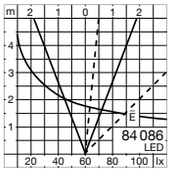
Luminaire data

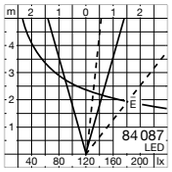
Pressure load	Resistant to foot traffic
Luminaire luminous flux	415 to 685 lm
Connected wattage	4.1 · 5.9 W
Size	Ø 110 · 145 mm
Protection class	IP 67
Trim ring made of stainless steel Fibreglass-reinforced synthetic material Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · on/off	
BEGA Thermal Management®	
Integrated water stop and connecting cable	
LED colour temperature 3000 K – article number + **K3**	
20-year availability guarantee for LED modules	
Light distribution	



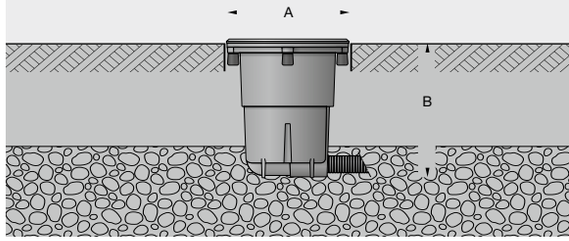








Walk-over in-ground luminaires
for installation in soil



Floodlights · **Symmetrical** light distribution

	LED		PSU	β	A	B	AC/DC
84 084	4.1 W	425 lm	on/off	29°	110	120	✔
84 085	5.9 W	680 lm	on/off	31°	145	170	✔

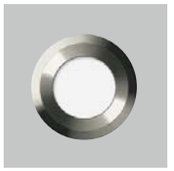
Floodlights · **Asymmetrical** light distribution

	LED		PSU	β	A	B	AC/DC
84 086	4.1 W	415 lm	on/off	35/38°	110	120	✔
84 087	5.9 W	685 lm	on/off	28/30°	145	170	✔

β = Half beam angle







Location luminaires



Floodlights
Symmetrical

Luminaire data

Pressure load	1000 kg
Luminaire luminous flux	5 to 270 lm
Connected wattage	0.35 to 5.2 W
Size	Ø 37 · 50 · 75 mm
Protection class	IP 68 · 20 m
Safety class	III

Stainless steel · Safety glass
Reflector surface made of pure aluminium
Installation sleeve made of glass fibre reinforced synthetic material

A separate 24 V DC power supply unit is required to operate the luminaires.

Integrated water stop and connecting cable

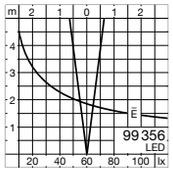
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

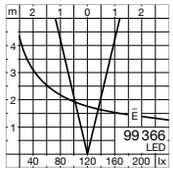
On request, the luminaires are available in the light colours green, blue, amber and red.

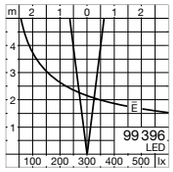
20-year availability guarantee for LED modules

Light distribution

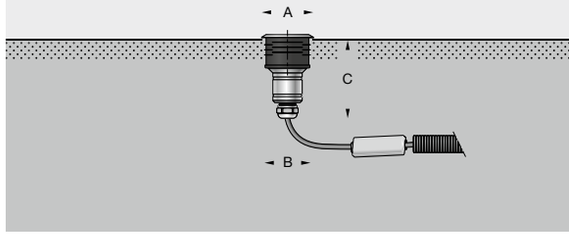








Drive-over in-ground luminaires 24 V DC
with compact dimensions for installation in drilled holes, to be provided by the customer



Drive-over in-ground luminaires 24 V DC · Location luminaires or floodlights
with compact dimensions for installation in drilled holes, to be provided by the customer

In-ground luminaires with compact dimensions, optionally available as location luminaires or floodlights.
Luminaires for installation in paved surfaces with holes drilled by the customer Ø 30 mm · Ø 45 mm · Ø 70 mm.
Installation housings made of stainless steel are available, should the installation situation require them. For this installation situation you need to create a foundation with drainage. The installation housings transfer the permissible pressure load of 1000 kg to the foundation.

The luminaires can be driven over by vehicles with pneumatic tyres.

A separate 24 V DC power supply unit is required to operate the luminaires. Suitable power supply units can be found on Page 566.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Location luminaires

	LED		PSU	A	B	C	
99 327	0.35 W	5 lm	Without*	37	30	65	**70 778**
99 328	0.45 W	5 lm	Without*	50	45	80	**70 779**
99 331	2.80 W	60 lm	Without*	75	70	80	**70 745**

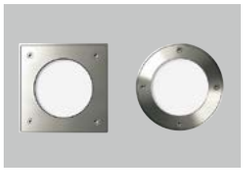
Floodlights · Symmetrical light distribution

	LED		PSU	β	A	B	C	
99 356	0.5 W	30 lm	Without*	14°	37	30	65	**70 778**
99 366	1.4 W	135 lm	Without*	27°	50	45	80	**70 779**
99 396	5.2 W	270 lm	Without*	14°	75	70	80	**70 745**



*Suitable 24 V DC power supply units can be found on Page 566. β = Half beam angle B = Ø Recessed opening Installation housing





Location luminaires



Floodlights
Symmetrical



Floodlights
Asymmetrical

Drive-over in-ground luminaires
Location luminaires or floodlights
with compact dimensions for flush installation

In-ground luminaires with compact dimensions, specially designed for flush installation in paved ground surfaces – indoors and out. Luminaires optionally available in a round or square design with convincing LED technology and impressive material quality.
The luminaires are mounted in a housing made of cast stainless steel on a foundation provided by the customer that absorbs the pressure loads.

The luminaires can be driven over by vehicles with pneumatic tyres.

A separate 24 V DC power supply unit with A = 75 mm is required to operate the luminaires. Suitable power supply units can be found on Page 566.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	2000 kg
Luminaire luminous flux	25 to 380 lm
Connected wattage	0.8 bis 4.1 W
Size	□ Ø 75 · 115 mm
Protection class	IP 68 · 10 m

Trim ring made of stainless steel
Luminaire housing made of cast stainless steel
Safety glass
Reflector made of pure anodised aluminium

Without power supply units or with on/off power supply units

BEGA Thermal Management®

Integrated water stop and connecting cable

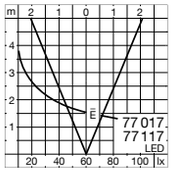
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

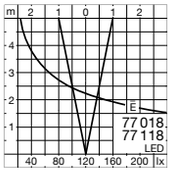
On request, the luminaires are available in the light colours green, blue, amber and red.

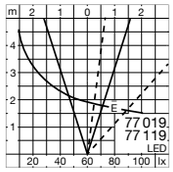
20-year availability guarantee for LED modules

Light distribution

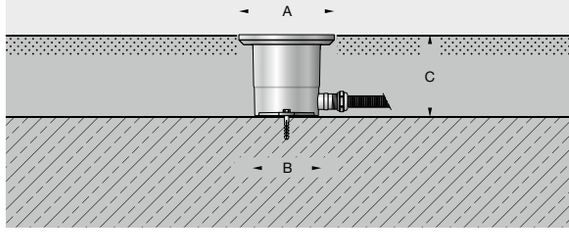








Drive-over in-ground luminaires
Location luminaires or floodlights
with compact dimensions for flush installation



Location luminaires

Square	Round	LED		PSU	A	B	C	AC/DC
77 127	**77 027**	0.8 W	25 lm	Without*	75	45 × 92	60	—
77 128	**77 028**	2.7 W	75 lm	on/off	115	80 × 130	100	✔

Floodlights · **Symmetrical** light distribution

Square	Round	LED		PSU	β	A	B	C	AC/DC
77 117	**77 017**	1.5 W	140 lm	Without*	44°	75	45 × 92	60	—
77 118	**77 018**	4.1 W	360 lm	on/off	26°	115	80 × 130	100	✔

Floodlights · **Asymmetrical** light distribution

Square	Round	LED		PSU	β	A	B	C	AC/DC
77 119	**77 019**	4.1 W	380 lm	on/off	34/35°	115	80 × 130	100	✔

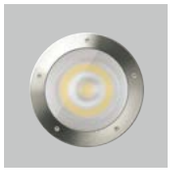
*Safety class III · Suitable 24 V DC power supply units can be found on Page 566 β = Half beam angle



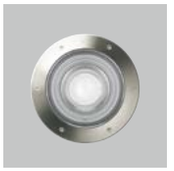




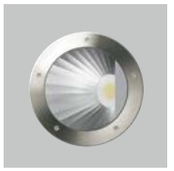
Location luminaires



Floodlights
Symmetrical
wide beam



Floodlights
Symmetrical
very wide beam



Wall washers
Asymmetrical
very wide beam

Drive-over in-ground luminaires · Location luminaires or floodlights
for installation in round cut-outs

A series specially designed for installation in drilled holes, to be provided by the customer, or cut-outs in floor sections – indoors and out.
The luminaire housings are fixed quickly, securely and accurately in position in the on-site recessed opening using the BEGA mounting system.
The luminaires' stainless steel housings conform to the highest standards, as does the overall quality of all components.
In terms of lighting technology, these in-ground luminaires are characterised by an extensive range of different light characteristics.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

When the glass is wet, there may be a risk of slipping. For pedestrian areas, we recommend skid-blocking glass in accordance with DIN 51130 R 13.
All luminaires with the suffix **R** after the order number are supplied with skid-blocking glass. This increases the dispersion of the light distribution.

The luminaires can be driven over by vehicles with pneumatic tyres.

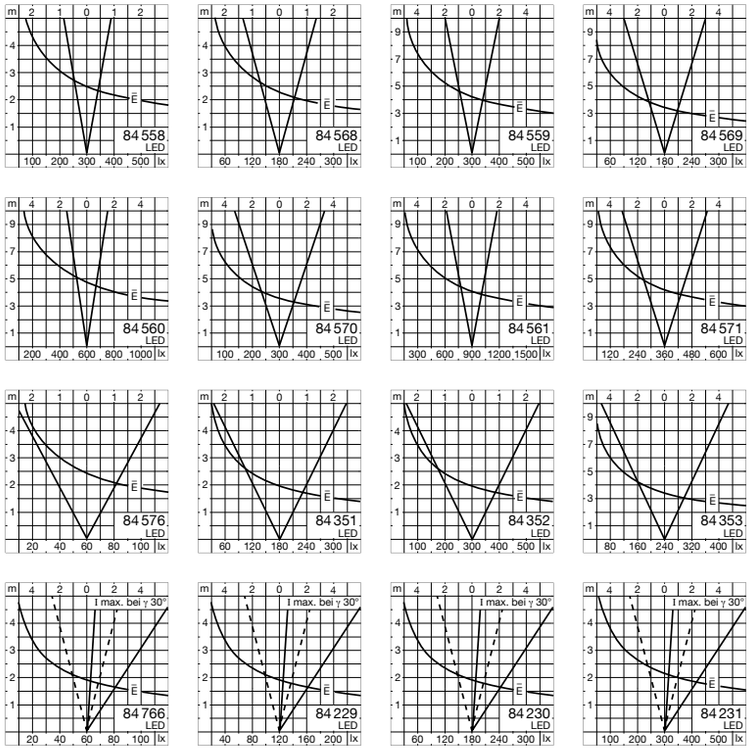
Luminaires from this series with adjustable light distribution and RGBW can be found on Page 394.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

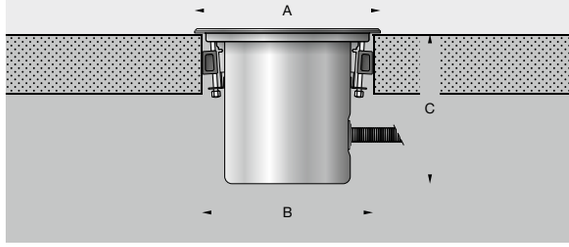
Luminaire data

Pressure load	2000 kg
Luminaire luminous flux	100 to 4160 lm
Connected wattage	2.7 to 38.4 W
Size	Ø 155 · 205 · 245 · 330 mm
Protection class	IP 68 · 10 m
Trim ring and luminaire housing made of stainless steel Safety glass Floodlight: Pure aluminium reflector surface	
BEGA Ultimate Driver® on/off or DALI-controllable	
BEGA Thermal Management®	
Integrated water stop and connecting cable	
84 558 · 84 568 · 84 559 · 84 569 84 560 · 84 570 · 84 561 · 84 571 BEGA Hybrid Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
On request, the luminaires are available in the light colours green, blue, amber and red.	
20-year availability guarantee for LED modules	
Light distribution	





Drive-over in-ground luminaires
Location luminaires or floodlights **for installation in round cut-outs, to be provided by the customer**



Location luminaires

	LED		PSU	max. t_a	A	B	C	AC/DC
77 812	2.7 W	100 lm	on/off	55 °C	155	145	80	✔
77 813	3.9 W	235 lm	on/off	45 °C	205	182	80	✔
77 814	4.8 W	195 lm	on/off	50 °C	245	225	90	✔
77 815	9.2 W	635 lm	on/off	45 °C	330	300	100	✔

Floodlights · **Symmetrical** light distribution

Wide beam	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 558	5.0 W	510 lm	on/off	21°	40 °C	155	145	160	✔
84 568	5.0 W	485 lm	on/off	30°	40 °C	155	145	160	✔
84 559	13.0 W	1455 lm	DALI	22°	55 °C	205	182	170	✔
84 569	13.0 W	1395 lm	DALI	33°	55 °C	205	182	170	✔
84 560	26.2 W	2630 lm	DALI	17°	50 °C	245	225	185	✔
84 570	26.2 W	2640 lm	DALI	37°	50 °C	245	225	185	✔
84 561	38.4 W	4160 lm	DALI	21°	50 °C	330	300	225	✔
84 571	38.4 W	4160 lm	DALI	35°	50 °C	330	300	225	✔
Very wide beam									
84 576	5.1 W	445 lm	on/off	54°	30 °C	155	145	160	✔
84 351	9.5 W	885 lm	DALI	53°	50 °C	205	182	170	✔
84 352	15.8 W	1615 lm	DALI	54°	50 °C	245	225	185	✔
84 353	30.0 W	3110 lm	DALI	54°	50 °C	330	300	225	✔

Wall washers · **Asymmetrical very wide beam** light distribution

	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 766	5.1 W	430 lm	on/off	43/54°	40 °C	155	145	160	✔
84 229	9.5 W	835 lm	DALI	40/55°	50 °C	205	182	170	✔
84 230	15.8 W	1480 lm	DALI	41/54°	50 °C	245	225	185	✔
84 231	30.0 W	2930 lm	DALI	40/55°	50 °C	330	300	225	✔

β = Half beam angle max. t_a = Maximum permissible ambient temperature







Floodlights
Adjustable



RGBW floodlights
Adjustable

Drive-over in-ground luminaires · Adjustable floodlights · RGBW
for installation in round cut-outs, to be provided by the customer

A series specially designed for installation in drilled holes, to be provided by the customer, or cut-outs in floor sections – indoors and out.
The luminaire housings are fixed quickly, securely and accurately in position in the on-site recessed opening using the BEGA mounting system.
The luminaires' stainless steel housings conform to the highest standards, as does the overall quality of all components.
In terms of lighting technology, this series is characterised by the adjustability of its lighting characteristics.
The RGBW luminaires in this series can be controlled by DALI colour light control (DT 8, RGBWAF, xy, TC).
The matching DALI system components can be found on Page 568.

Additional information on BEGA Hybrid Optics® can be found on Page 14.

Internal louvres and diffuser lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

When the glass is wet, there may be a risk of slipping. For pedestrian areas, we recommend skid-blocking glass in accordance with DIN 51130 R 13.
All luminaires with the suffix **R** after the order number are supplied with skid-blocking glass. This increases the dispersion of the light distribution.

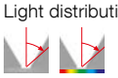
The luminaires can be driven over by vehicles with pneumatic tyres.

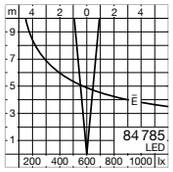
Location luminaires and floodlights with symmetrical and asymmetrical light distribution from this series can be found on Page 392.

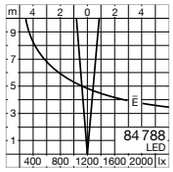
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

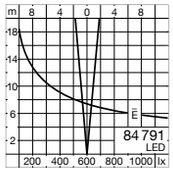
Luminaire data

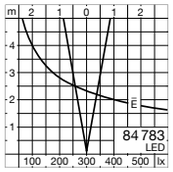
Pressure load	2000 kg
Luminaire luminous flux	380 to 4200 lm
Connected wattage	5.1 to 41.0 W
Size	Ø 155 · 205 · 280 · 330 mm
Protection class	IP 68 · 10 m
Trim ring and luminaire housing made of stainless steel Safety glass Reflector surface made of pure aluminium	
BEGA Ultimate Driver® on/off or DALI-controllable	
BEGA Thermal Management®	
Reflector inclination angle adjustable from 0° to 30° Optical system rotatable through 360°	
Integrated water stop and connecting cable	
84 785 · 84 788 · 84 791 · 84 786 · 84 789 84 792 · 84 787 · 84 790 · 84 793 BEGA Hybrid Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	
Light distribution	

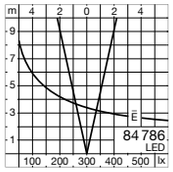


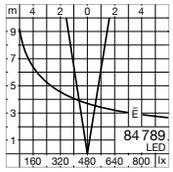


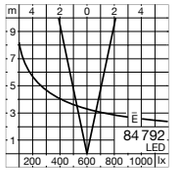


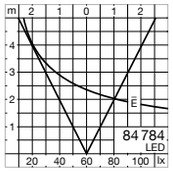


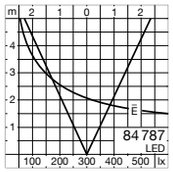


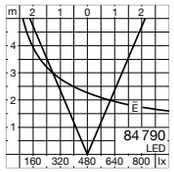


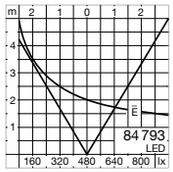




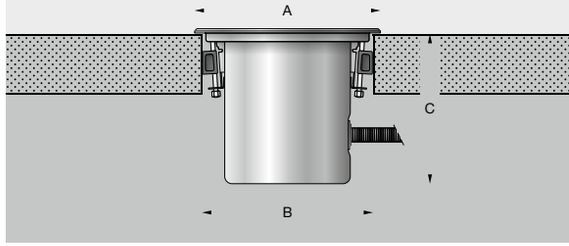








Drive-over in-ground luminaires
Adjustable floodlights **for installation in round cut-outs, to be provided by the customer**



Floodlights · **Adjustable**

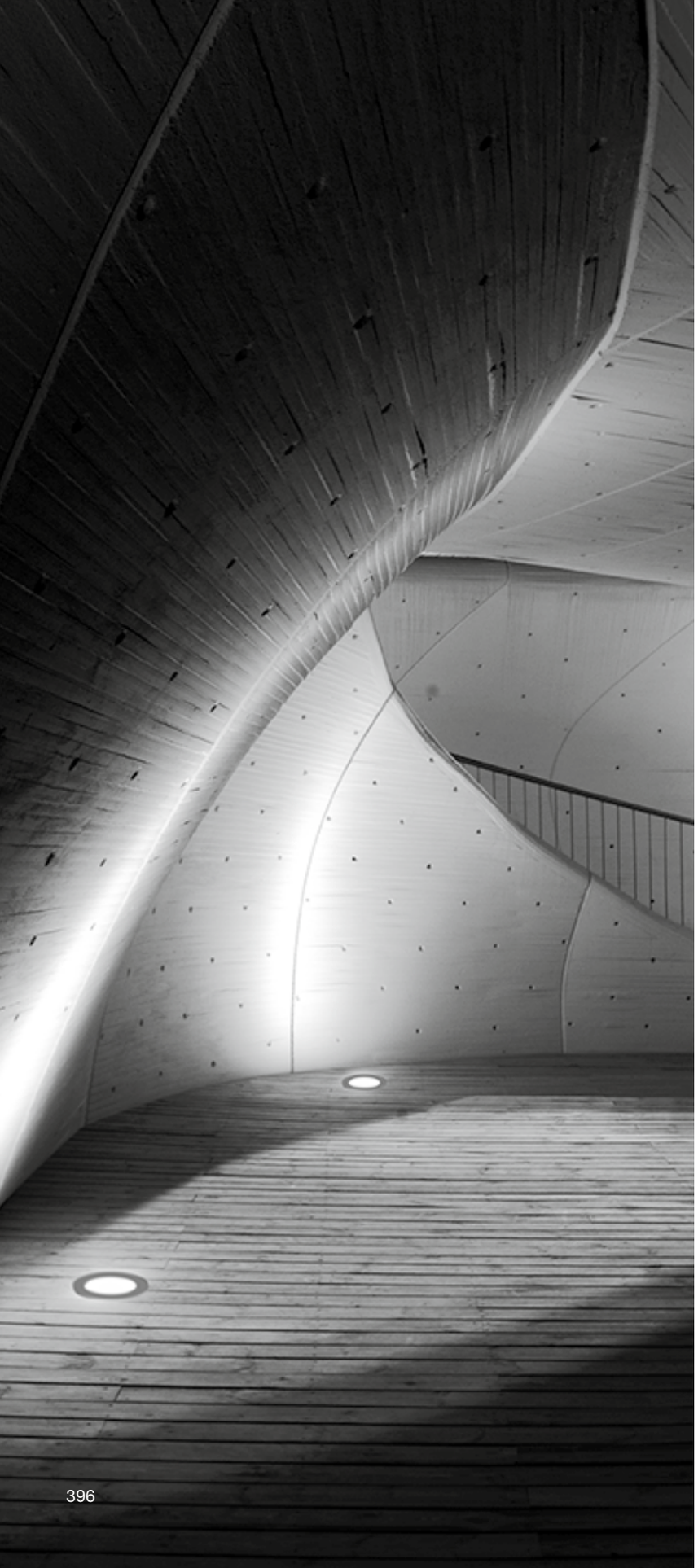
Focused	LED		PSU	β	max. t_a	A	B	C	AC/DC	Accessories	
84 785	14.3 W	850 lm	DALI	10°	50 °C	205	182	170	✔	**10 014**	Integrated
84 788	28.0 W	1800 lm	DALI	8°	50 °C	280	257	185	✔	**10 016**	Integrated
84 791	41.0 W	2400 lm	DALI	10°	50 °C	330	300	225	✔	**10 019**	Integrated
Wide beam											
84 783	5.1 W	380 lm	on/off	18°	40 °C	155	145	160	✔	**10 013**	–
84 786	13.5 W	1400 lm	DALI	24°	50 °C	205	182	170	✔	**10 014**	**71 215**
84 789	27.0 W	2800 lm	DALI	18°	50 °C	280	257	185	✔	**10 016**	**71 119**
84 792	38.0 W	4200 lm	DALI	24°	50 °C	330	300	225	✔	**10 019**	**71 112**
Very wide beam											
84 784	5.1 W	380 lm	on/off	54°	40 °C	155	145	160	✔	**10 013**	–
84 787	13.5 W	1400 lm	DALI	50°	50 °C	205	182	170	✔	**10 014**	–
84 790	27.0 W	2800 lm	DALI	46°	50 °C	280	257	185	✔	**10 016**	–
84 793	38.0 W	4200 lm	DALI	64°	50 °C	330	300	225	✔	**10 019**	–

RGBW floodlights · **Adjustable**

Wide beam	LED		PSU	β	max. t_a	A	B	C	AC/DC	
84 771	13.5 W	700 lm	DALI DT 8	24°	50 °C	205	182	170	✔	**10 014**
84 773	24.0 W	1200 lm	DALI DT 8	24°	50 °C	280	257	185	✔	**10 016**
84 775	39.0 W	2000 lm	DALI DT 8	24°	50 °C	330	300	225	✔	**10 019**
Very wide beam										
84 772	13.5 W	700 lm	DALI DT 8	56°	50 °C	205	182	170	✔	**10 014**
84 774	24.0 W	1200 lm	DALI DT 8	56°	50 °C	280	257	185	✔	**10 016**
84 776	39.0 W	2000 lm	DALI DT 8	56°	50 °C	330	300	225	✔	**10 019**

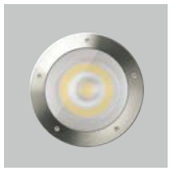


β = Half beam angle max. t_a = Maximum permissible ambient temperature B = Ø Recessed opening Diffuser lenses · Flat beam Louvre

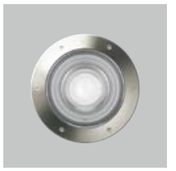




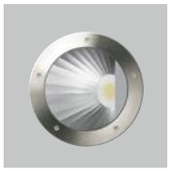
Location luminaires



Floodlights
Symmetrical
wide beam



Floodlights
Symmetrical
very wide beam



Wall washers
Asymmetrical
very wide beam

Drive-over in-ground luminaires · Location luminaires or floodlights
for installation in ground surfaces

A series for a wide range of applications where lighting from the ground is required – indoors and out.
Depending on on-site requirements, the luminaires can be installed using recessed housings or left “floating” in gravel, lawns, flower beds or paved areas, for example.
If the luminaires are to be used with an installation housing, a foundation with drainage must be provided by the customer.
The luminaires’ stainless steel housings conform to the highest standards, as does the overall quality of all components.
In terms of lighting technology, this series is characterised by an extensive range of different light characteristics.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

Luminaires from this series with adjustable light distribution and RGBW can be found on Page 398.

When the glass is wet, there may be a risk of slipping. For pedestrian areas, we recommend skid-blocking glass in accordance with DIN 51130 R13.
All luminaires with the suffix **R** after the order number are supplied with skid-blocking glass. This increases the dispersion of the light distribution.

Luminaire housings are available as accessories for these floodlights. Please order accessories separately.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	2000 kg
Luminaire luminous flux	90 to 4160 lm
Connected wattage	2.7 to 38.4 W
Size	Ø 145 · 205 · 245 · 330 mm
Protection class	IP 68 · 10 m

Trim ring and luminaire housing made of stainless steel
Safety glass
Reflector surface made of pure aluminium

BEGA Ultimate Driver®
on/off or DALI-controllable

BEGA Thermal Management®

Integrated water stop and connecting cable

84 554 · 84 564 · 84 555 · 84 565 · 84 556
84 566 · 84 557 · 84 567
BEGA Hybrid Optics®

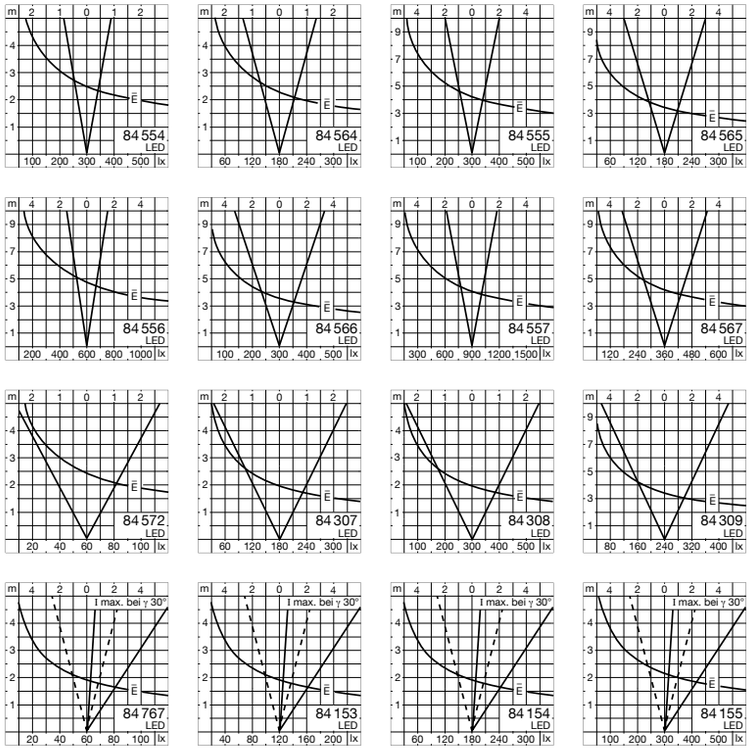
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

On request, the luminaires are available in the light colours green, blue, amber and red.

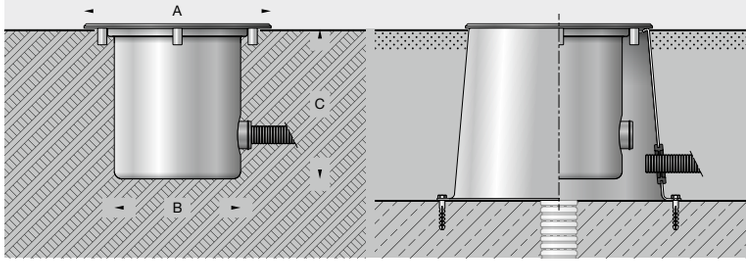
20-year availability guarantee for LED modules

Light distribution





Drive-over in-ground luminaires
Location luminaires or floodlights
for installation in ground surfaces



Location luminaires

	LED		PSU	max. t_a	A	B	C	AC/DC	⊓
77 055	2.7 W	90 lm	on/off	55 °C	145	95	80	✔	**70 693**
77 056	3.9 W	235 lm	on/off	45 °C	205	140	80	✔	**70 680**
77 057	4.8 W	195 lm	on/off	50 °C	245	175	90	✔	**70 687**
77 058	9.2 W	635 lm	on/off	45 °C	330	240	100	✔	**70 688**

Floodlights · **Symmetrical** light distribution

Wide beam	LED		PSU	β	max. t_a	A	B	C	AC/DC	⊓
84 554	5.0 W	500 lm	on/off	20°	40 °C	145	95	140	✔	**70 693**
84 564	5.0 W	490 lm	on/off	30°	40 °C	145	95	140	✔	**70 693**
84 555	13.0 W	1455 lm	DALI	22°	55 °C	205	140	165	✔	**70 680**
84 565	13.0 W	1395 lm	DALI	33°	55 °C	205	140	165	✔	**70 680**
84 556	26.2 W	2630 lm	DALI	17°	50 °C	245	175	185	✔	**70 687**
84 566	26.2 W	2640 lm	DALI	37°	50 °C	245	175	185	✔	**70 687**
84 557	38.4 W	4160 lm	DALI	21°	50 °C	330	240	225	✔	**70 688**
84 567	38.4 W	4160 lm	DALI	35°	50 °C	330	240	225	✔	**70 688**
Very wide beam										
84 572	5.1 W	460 lm	on/off	56°	30 °C	145	95	140	✔	**70 693**
84 307	9.5 W	885 lm	DALI	53°	50 °C	205	140	165	✔	**70 680**
84 308	15.8 W	1615 lm	DALI	54°	50 °C	245	175	185	✔	**70 687**
84 309	30.0 W	3110 lm	DALI	54°	50 °C	330	240	225	✔	**70 688**

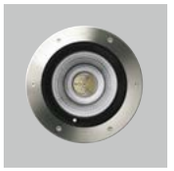
Wall washers · **Asymmetrical very wide beam** light distribution

	LED		PSU	β	max. t_a	A	B	C	AC/DC	⊓
84 767	5.1 W	435 lm	on/off	45/52°	40 °C	145	95	140	✔	**70 693**
84 153	9.5 W	835 lm	DALI	40/55°	50 °C	205	140	165	✔	**70 680**
84 154	15.8 W	1480 lm	DALI	41/54°	50 °C	245	175	185	✔	**70 687**
84 155	30,0 W	2930 lm	DALI	40/55°	50 °C	330	240	225	✔	**70 688**



β = Half beam angle max. t_a = Maximum permissible ambient temperature ⊓ Installation housing





Floodlights
Adjustable



RGBW floodlights
Adjustable

Drive-over in-ground luminaires · Adjustable floodlights · RGBW
for installation in ground surfaces

A series for a wide range of applications where lighting from the ground is required – indoors and out.
Depending on on-site requirements, the luminaires can be installed using recessed housings or left “floating” in gravel, lawns, flower beds or paved areas, for example.
If the luminaires are to be used with an installation housing, a foundation with drainage must be provided by the customer.
The luminaires’ stainless steel housings conform to the highest standards, as does the overall quality of all components.
In terms of lighting technology, this series is characterised by the adjustability of its lighting characteristics.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

Location luminaires and floodlights with symmetrical and asymmetrical light distribution from this series can be found on Page 396.

The RGBW luminaires in this series can be controlled by DALI colour light control (DT 8, RGBWAF, xy, TC).
Suitable DALI system components can be found on Page 568.

Installation housings, internal louvres and diffuser lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination.

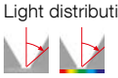
When the glass is wet, there may be a risk of slipping. For walkable public areas, we recommend skid-blocking glass in accordance with DIN 51130 R 13.
With the additional specification **R** after the article number, we can supply all luminaires with skid-blocking glass. This increases the dispersion of the light distribution.

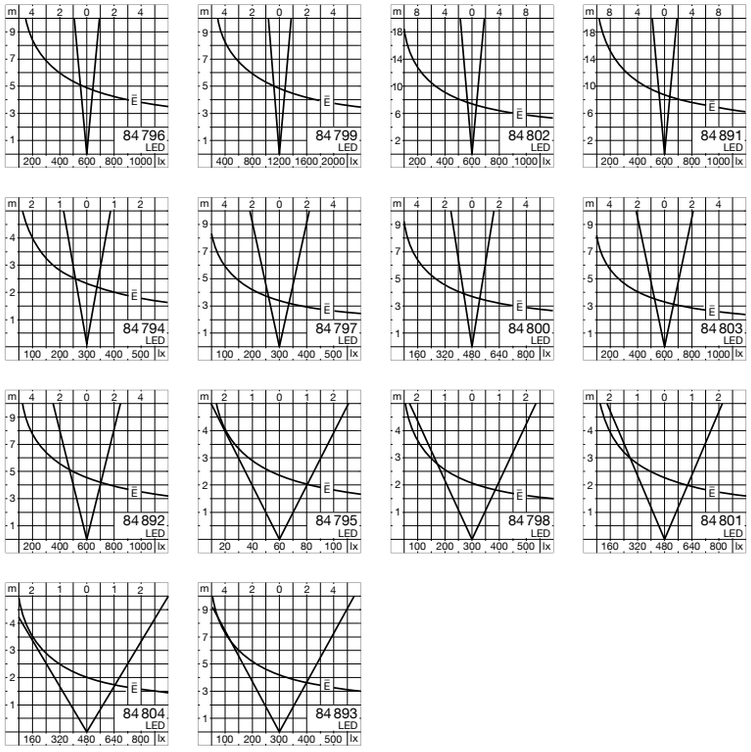
The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

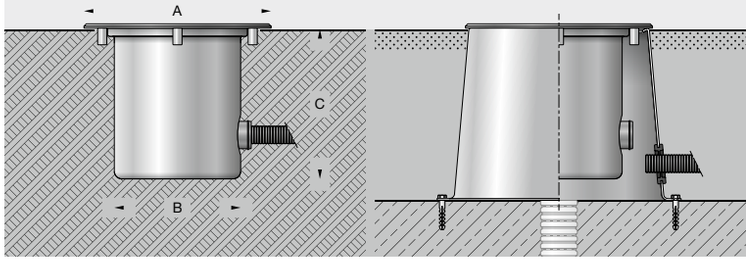
Luminaire data

Pressure load	2000 kg
Luminaire luminous flux	380 to 9200 lm
Connected wattage	5.1 to 79.0 W
Size	Ø 145 · 205 · 280 · 330 · 410 mm
Protection class	IP 68 · 10 m
Trim ring and luminaire housing Made of stainless steel · Safety glass Reflector surface made of pure aluminium	
BEGA Ultimate Driver® on/off or DALI-controllable	
BEGA Thermal Management®	
Inclination angle of the reflector adjustable from 0° to 30° Optical system rotatable through 360°	
Integrated water stop and connecting cable	
84 796 · 84 799 · 84 802 · 84 891 · 84 797 84 800 · 84 803 · 84 892 · 84 798 · 84 801 84 804 · 84 893 BEGA Hybrid Optics®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
20-year availability guarantee for LED modules	
Light distribution	





Drive-over in-ground luminaires
Adjustable floodlights
for installation in ground surfaces



Floodlights · **Adjustable**

Focused	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 796	14.3 W	850 lm	DALI	10°	50 °C	205	140	165	✔
84 799	28.0 W	1800 lm	DALI	8°	50 °C	280	200	185	✔
84 802	41.0 W	2400 lm	DALI	10°	50 °C	330	240	225	✔
84 891	79.0 W	4800 lm	DALI	10°	50 °C	410	325	310	✔
Wide beam									
84 794	5.1 W	380 lm	on/off	18°	40 °C	145	95	140	✔
84 797	13.5 W	1400 lm	DALI	24°	50 °C	205	140	165	✔
84 800	27.0 W	2800 lm	DALI	18°	50 °C	280	200	185	✔
84 803	38.0 W	4200 lm	DALI	24°	50 °C	330	240	225	✔
84 892	77.2 W	9200 lm	DALI	27°	50 °C	410	325	310	✔
Very wide beam									
84 795	5.1 W	380 lm	on/off	54°	40 °C	145	95	140	✔
84 798	13.5 W	1400 lm	DALI	50°	50 °C	205	140	165	✔
84 801	27.0 W	2800 lm	DALI	46°	50 °C	280	200	185	✔
84 804	38.0 W	4200 lm	DALI	64°	50 °C	330	240	225	✔
84 893	77.2 W	9000 lm	DALI	57°	50 °C	410	325	310	✔

Accessories

70 680	**10 014**	Integrated
70 694	**10 016**	Integrated
70 688	**10 019**	Integrated
70 699	**13 607**	Integrated
70 693	**10 013**	–
70 680	**10 014**	**71 215**
70 694	**10 016**	**71 119**
70 688	**10 019**	**71 112**
70 699	**13 607**	**71 073**
70 693	**10 013**	–
70 680	**10 014**	–
70 694	**10 016**	–
70 688	**10 019**	–
70 699	**13 607**	–

RGB W floodlights · **Adjustable**

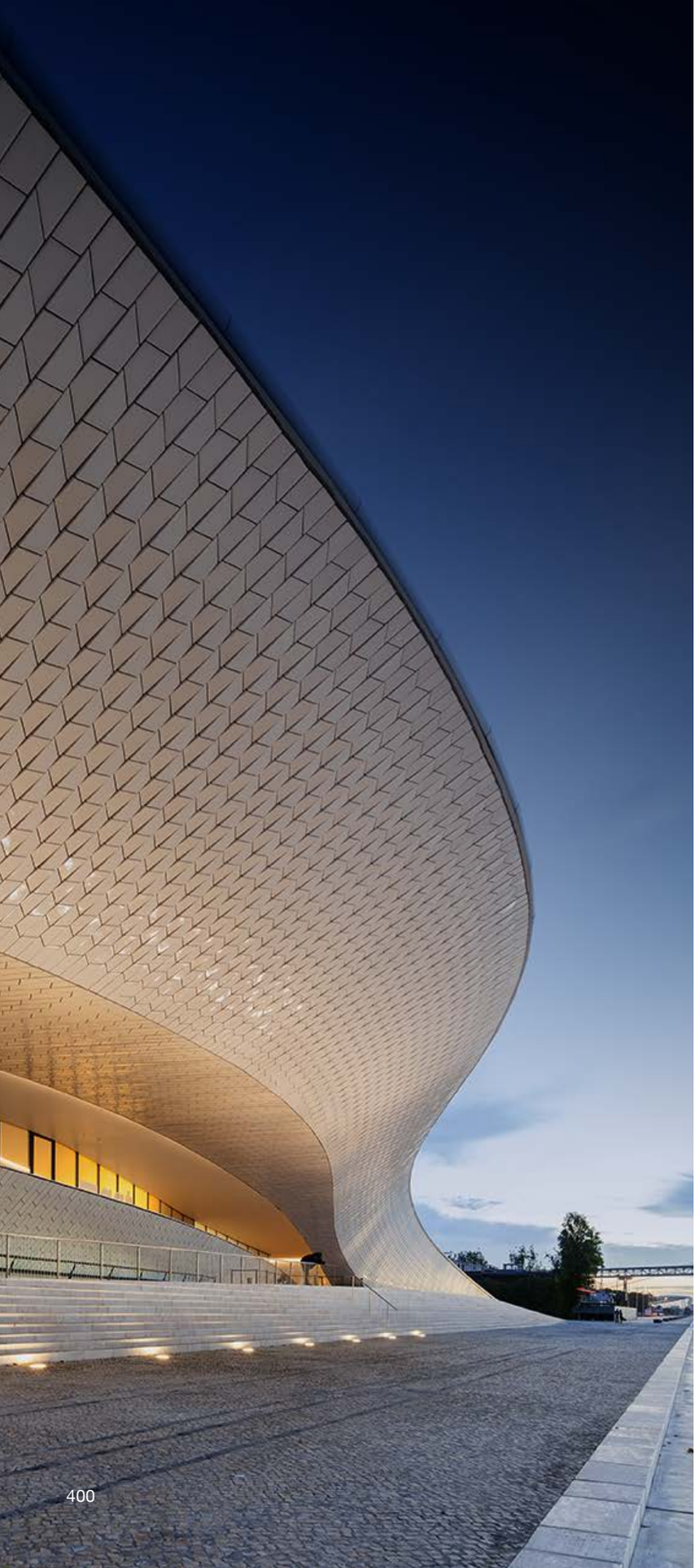
Wide beam	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 777	13.5 W	700 lm	DALI DT 8	24°	50 °C	205	140	165	✔
84 779	24.0 W	1200 lm	DALI DT 8	24°	50 °C	280	200	185	✔
84 781	39.0 W	2000 lm	DALI DT 8	24°	50 °C	330	240	225	✔
Very wide beam									
84 778	13.5 W	700 lm	DALI DT 8	56°	50 °C	205	140	165	✔
84 780	24.0 W	1200 lm	DALI DT 8	56°	50 °C	280	200	185	✔
84 782	39.0 W	2000 lm	DALI DT 8	56°	50 °C	330	240	225	✔

Accessories

70 680	**10 014**
70 694	**10 016**
70 688	**10 019**
70 680	**10 014**
70 694	**10 016**
70 688	**10 019**

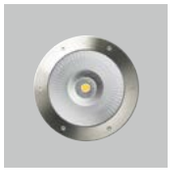


β = Half beam angle max. t_a = Maximum permissible ambient temperature Installation housing Diffuser lenses · Flat beam Louvre





Location luminaires



Floodlights
Symmetrical



Floodlights
Asymmetrical



Floodlights
Adjustable

Drive-over in-ground luminaires · Location luminaires or floodlights
for installation situations with shallow installation depths and for flush installation

Location luminaires and floodlights specially for flush-mounting installation in paved ground surfaces.
Luminaires with convincing lighting technology and impressive material quality. The luminaire design made of stainless steel and cast stainless steel is suitable for very high load applications.
Due to their low height, these luminaires are particularly suitable for areas where only a limited installation depth is available, e.g. parking decks or suspended ceilings, both indoors and out. Before the luminaires are installed, the customer must lay a foundation that will absorb the pressure load of the luminaires.

When the glass is wet, there may be a risk of slipping. For walkable public areas, we recommend skid-blocking glass in accordance with DIN 51130 R 13.
With the additional specification **R** after the article number, we can supply all luminaires with skid-blocking glass. This increases the dispersion of the light distribution.

Diffuser lenses that alter the light distribution are available as accessories for these floodlights. Please order accessories separately.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	3000 kg
Luminaire luminous flux	70 to 2050 lm
Connected wattage	4.1 to 16.0 W
Size	Ø 205 · 260 mm
Protection class	IP 68 · 10 m

Trim ring and luminaire housing made of stainless steel and cast stainless steel
Safety glass
Floodlights with reflectors made of pure anodised aluminium

BEGA Ultimate Driver®
on/off or DALI-controllable

BEGA Thermal Management®

Integrated water stop and connecting cable

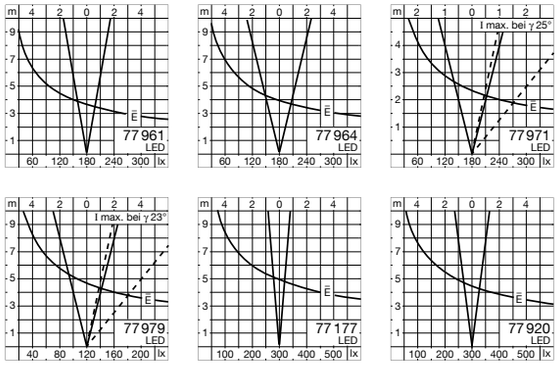
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

On request, the luminaires are available in the light colours green, blue, amber and red.

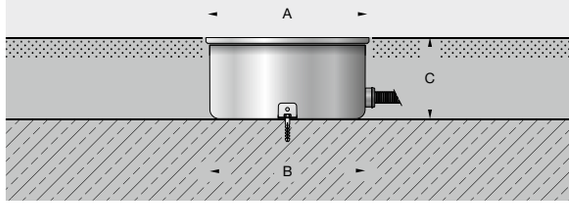
20-year availability guarantee for LED modules

Light distribution





Drive-over in-ground luminaires
Location luminaires or floodlights
for installation situations with shallow installation depths and for flush installation







The luminaire design made of stainless steel and cast stainless steel is suitable for very high load applications.

Location luminaires

	LED		PSU	max. t_a	A	B	C	AC/DC
77 162	4.1 W	70 lm	on/off	50 °C	205	220	130	✔
77 163	5.0 W	100 lm	on/off	50 °C	260	280	130	✔

Floodlights · **Symmetrical** light distribution

	LED		PSU	β	max. t_a	A	B	C	AC/DC
77 961	10.0 W	1040 lm	DALI	20°	50 °C	205	220	130	✔
77 964	16.0 W	1925 lm	DALI	27°	50 °C	260	280	130	✔

Floodlights · **Asymmetrical** light distribution

	LED		PSU	β	max. t_a	A	B	C	AC/DC
77 971	10.0 W	995 lm	DALI	28/29°	50 °C	205	220	130	✔
77 979	16.0 W	2050 lm	DALI	28/27°	50 °C	260	280	130	✔

Floodlights · **Adjustable from 0° to 30°, ±180°**

	LED		PSU	β	max. t_a	A	B	C	AC/DC
77 177	10.0 W	810 lm	DALI	11°	50 °C	205	220	130	✔
77 920	13.8 W	1160 lm	DALI	13°	50 °C	260	280	130	✔

Accessories

70 271	**70 272**
70 273	**70 274**



β = Half beam angle max. t_a = Maximum permissible ambient temperature Diffuser lenses Wide beam Flat beam

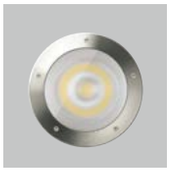




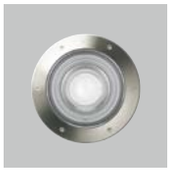
Location luminaires



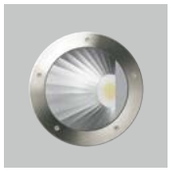
Floodlights
Symmetrical focused



Floodlights
Symmetrical wide beam



Floodlights
Symmetrical very wide beam



Wall washers
Asymmetrical very wide beam

Drive-over in-ground luminaires · Location luminaires or floodlights
for installation situations with high pressure loads

Drive-over in-ground luminaires for installation in paved ground surfaces – indoors and out.
This luminaire series continues a line that we have been producing for more than 30 years. Decades of experience in this field, our extensive knowledge and our constant willingness to learn determine our daily approach to developing new products. These new luminaires are the result of continuous research, extensive testing and the use of the best materials and technologies for this application.

The luminaires stand on a foundation in an installation housing, made of highly corrosion-resistant cast aluminium, and can be driven over by vehicles with pneumatic tyres up to a pressure load of 5000 kg. The installation dimensions for this series are identical to those of the previous luminaires.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

Luminaires from this series with adjustable light distribution and RGBW can be found on Page 404.

When the glass is wet, there may be a risk of slipping. For walkable public areas, we recommend skid-blocking glass in accordance with DIN 51130 R13. With the additional specification **R** after the article number, we can supply all luminaires with skid-blocking glass. This increases the dispersion of the light distribution.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load 5000 kg

Luminaire luminous flux 170 to 5435 lm

Connected wattage 4.1 to 51.0 W

Size Ø 205 · 240 · 330 mm

Protection class IP 68 · 10 m

Trim ring made of stainless steel
Highly corrosion-resistant cast aluminium, coated with BEGA Tricoat®
Glass fibre reinforced synthetic material
Safety glass · Floodlight:
Reflector surface made of pure aluminium

BEGA Ultimate Driver®
on/off or DALI-controllable

BEGA Thermal Management®

Integrated water stop and connecting cable

84 292 · 84 293 · 84 255 · 84 455 · 84 265
84 296 · 84 297 BEGA Hybrid Optics®

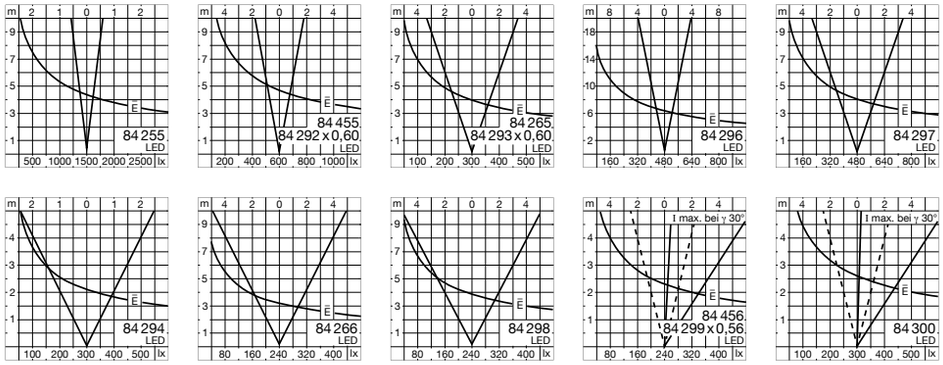
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

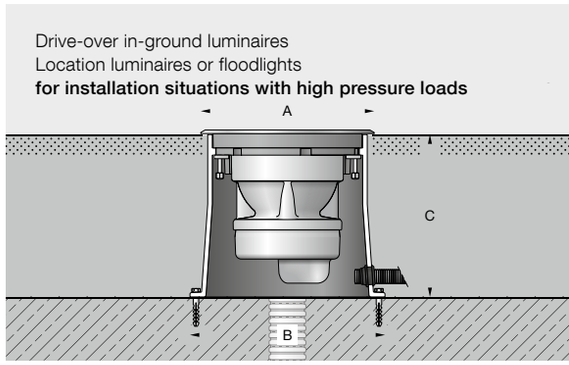
On request, the luminaires are available in the light colours green, blue, amber and red.

20-year availability guarantee for LED modules

Light distribution







Location luminaires

	LED		PSU	max. t_a	A	B	C	AC/DC
84 289	4.1 W	170 lm	on/off	50 °C	205	250	220	✔
84 454	5.0 W	285 lm	on/off	50 °C	240	275	230	✔
84 290	7.7 W	570 lm	on/off	45 °C	330	355	250	✔

Floodlights · **Symmetrical** light distribution

Focused	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 255	16.5 W	500 lm	DALI	5°	35 °C	240	275	230	✔
Wide beam									
84 292	18.7 W	2070 lm	DALI	20°	50 °C	205	250	220	✔
84 293	18.7 W	2110 lm	DALI	30°	50 °C	205	250	220	✔
84 455	32.5 W	3335 lm	DALI	17°	50 °C	240	275	230	✔
84 265	32.5 W	3200 lm	DALI	30°	50 °C	240	275	230	✔
84 296	50.8 W	5435 lm	DALI	20°	50 °C	330	355	250	✔
84 297	50.8 W	5290 lm	DALI	35°	50 °C	330	355	250	✔
Very wide beam									
84 294	18.4 W	1685 lm	DALI	49°	45 °C	205	250	220	✔
84 266	31.0 W	2830 lm	DALI	53°	50 °C	240	275	230	✔
84 298	51.0 W	4560 lm	DALI	54°	50 °C	330	355	250	✔

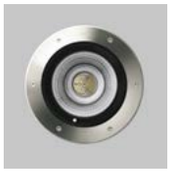
Wall washers · **Asymmetrical very wide beam** light distribution

	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 299	18.4 W	1705 lm	DALI	36/46°	35 °C	205	250	220	✔
84 456	31.0 W	2920 lm	DALI	41/48°	50 °C	240	275	230	✔
84 300	51.0 W	5030 lm	DALI	40/53°	50 °C	330	355	250	✔

β = Half beam angle max. t_a = Maximum permissible ambient temperature







Floodlights
Adjustable



RGBW floodlights
Adjustable

Drive-over in-ground luminaires · Adjustable floodlights · RGBW
for installation situations with high pressure loads

Drive-over in-ground luminaires for installation in paved ground surfaces – indoors and out.
This luminaire series continues a line that we have been producing for more than 30 years. Decades of experience in this field, our extensive knowledge and our constant willingness to learn determine our daily approach to developing new products. These new luminaires are the result of continuous research, extensive testing and the use of the best materials and technologies for this application.
The luminaires stand on a foundation in an installation housing, made of highly corrosion-resistant cast aluminium, and can be driven over by vehicles with pneumatic tyres up to a pressure load of 5000 kg.
The installation dimensions for this series are identical to those of the previous luminaires.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

Location luminaires and floodlights with symmetrical and asymmetrical light distribution from this series can be found on Page 402.

The RGBW luminaires in this series can be controlled by DALI colour light control (DT 8, RGBWAF, xy, TC).
Suitable DALI system components can be found on Page 568.

When the glass is wet, there may be a risk of slipping. For walkable public areas, we recommend skid-blocking glass in accordance with DIN 51130 R 13. With the additional specification **R** after the article number, we can supply all luminaires with skid-blocking glass. This increases the dispersion of the light distribution.

Internal louvres and diffuser lenses that alter the light distribution are available as accessories for these floodlights. These can be used individually or in combination. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	5000 kg
Luminaire luminous flux	700 to 5200 lm
Connected wattage	13.5 to 50.8 W
Size	Ø 205 · 240 · 330 mm
Protection class	IP 68 · 10 m

Trim ring made of stainless steel
Highly corrosion-resistant cast aluminium, coated with BEGA Tricoat®
Glass fibre reinforced synthetic material
Reflector surface made of pure aluminium

BEGA Ultimate Driver® · DALI-controllable

BEGA Thermal Management®

Inclination angle of the reflector adjustable from 0° to 25°
Optical system rotatable through 360°

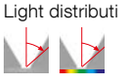
Integrated water stop and connecting cable

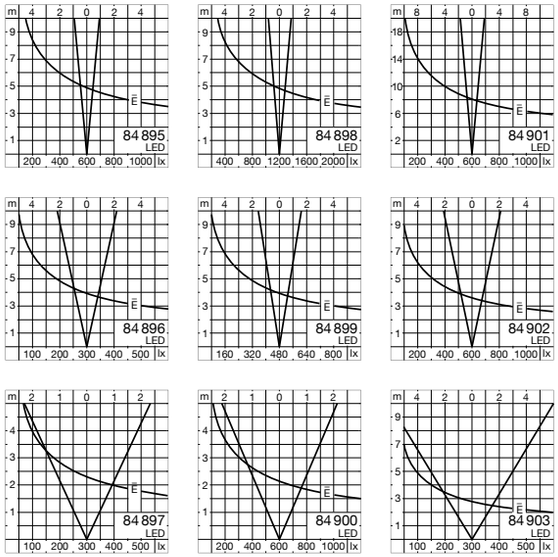
84 895 · 84 898 · 84 901 · 84 896 · 84 899
84 902 · 84 897 · 84 900 · 84 903
BEGA Hybrid Optics®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

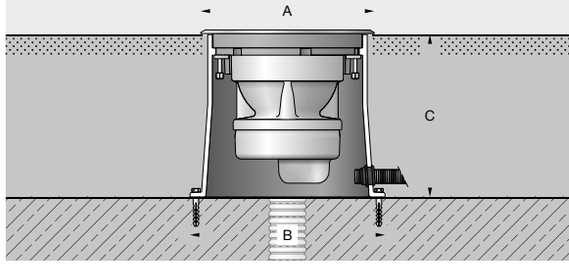
20-year availability guarantee for LED modules

Light distribution





Drive-over in-ground luminaires
Adjustable floodlights
for installation situations with high pressure loads



Floodlights · **Adjustable**

Focused	LED		PSU	β	max. t_a	A	B	C	AC/DC	Accessories	
84 895	14.3 W	850 lm	DALI	10°	50 °C	205	250	220	✔	**10 014**	Integrated
84 898	28.0 W	1800 lm	DALI	8°	50 °C	240	275	230	✔	**13 608**	Integrated
84 901	47.5 W	2700 lm	DALI	10°	50 °C	330	355	250	✔	**10 019**	Integrated
Wide beam											
84 896	19.5 W	1920 lm	DALI	24°	50 °C	205	250	220	✔	**10 014**	**71 215**
84 899	32.5 W	3300 lm	DALI	18°	50 °C	240	275	230	✔	**13 608**	**71 119**
84 902	50.8 W	5200 lm	DALI	24°	50 °C	330	355	250	✔	**10 019**	**71 112**
Very wide beam											
84 897	19.5 W	1920 lm	DALI	50°	50 °C	205	250	220	✔	**10 014**	—
84 900	32.5 W	3300 lm	DALI	46°	50 °C	240	275	230	✔	**13 608**	—
84 903	50.8 W	5200 lm	DALI	64°	50 °C	330	355	250	✔	**10 019**	—

RGB W floodlights · **Adjustable**

Wide beam	LED		PSU	β	max. t_a	A	B	C	AC/DC	Accessories
84 877	13.5 W	700 lm	DALI DT 8	24°	50 °C	205	250	220	✔	**10 014**
84 879	24.0 W	1200 lm	DALI DT 8	24°	50 °C	240	275	230	✔	**13 608**
84 881	39.0 W	3000 lm	DALI DT 8	24°	50 °C	330	355	250	✔	**10 019**
Very wide beam										
84 878	13.5 W	700 lm	DALI DT 8	56°	50 °C	205	250	220	✔	**10 014**
84 880	24.0 W	1200 lm	DALI DT 8	56°	50 °C	240	275	230	✔	**13 608**
84 882	39.0 W	2000 lm	DALI DT 8	56°	50 °C	330	355	250	✔	**10 019**



β = Half beam angle max. t_a = Maximum permissible ambient temperature Diffuser lenses · Flat beam Louvre





Floodlights
Symmetrical



Floodlights
Asymmetrical

Walk-over in-ground luminaires · Floodlights
for installation in soil

Walk-over in-ground luminaires as floodlights with symmetrical or asymmetrical light distribution.
Luminaires specially designed for installation in flower beds, lawns or gravel in private gardens and in garden architecture with no vehicular traffic. They can be installed in soil without a drainage connection or foundation.
Floodlights for illuminating façade and wall surfaces as well as for showcasing and accentuating objects in gardens and garden areas.
In-ground luminaires that allow you to experience the beauty of the garden and its architectural details even by night.
The low connected wattage and long service life of the LEDs make these luminaires economical devices with very long maintenance intervals.
Floodlights of the same design but with rotationally symmetrical light distribution can be found on Page 386.

If through-wiring to a further luminaire is required, we recommend using BEGA distribution boxes. For additional information, see Page 581.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Resistant to foot traffic

Luminaire luminous flux 300 to 465 lm

Connected wattage 5.2 · 7.2 W

Length 160 · 240 mm

Protection class IP 67

Trim ring made of stainless steel
Glass fibre reinforced synthetic material
Safety glass
Reflector surface made of pure aluminium

BEGA Ultimate Driver® · on/off

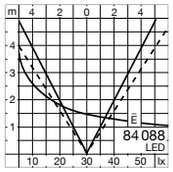
Integrated water stop and connecting cable

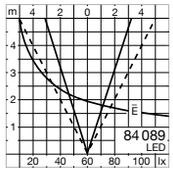
BEGA Thermal Management®

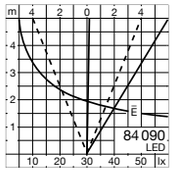
LED colour temperature
3000 K – article number + **K3**

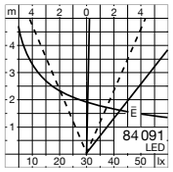
20-year availability guarantee for
LED modules

Light distribution

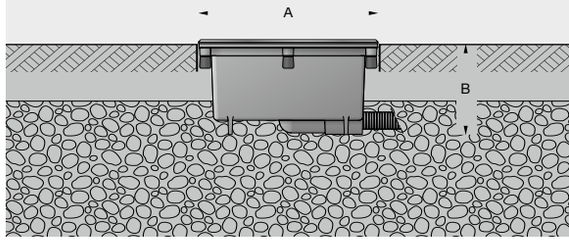








Walk-over In-ground luminaires
for installation in soil



In-ground luminaires · **Symmetrical** light distribution

	LED		PSU	β	A	B	AC/DC
84 088	5.2 W	300 lm	on/off	93/108°	160 × 80	85	✔
84 089	7.2 W	465 lm	on/off	80/95°	240 × 115	95	✔

In-ground luminaires · **Asymmetrical** light distribution

	LED		PSU	β	A	B	AC/DC
84 090	5.2 W	310 lm	on/off	49/110°	160 × 80	85	✔
84 091	7.2 W	455 lm	on/off	56/106°	240 × 115	95	✔

β = Half beam angle







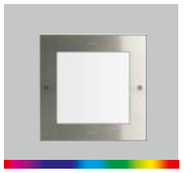
Location luminaires



Floodlights
Symmetrical narrow beam



Floodlights
Symmetrical wide beam



Location luminaires
RGBW

Drive-over in-ground luminaires · Location luminaires or floodlights · RGBW
for installation situations with high pressure loads

Drive-over in-ground luminaires with high light output for installation in paved ground surfaces both indoors and out. This new luminaire series is a continuation of a series that we have been manufacturing for more than 30 years. Knowledge, decades of experience and a constant willingness to learn determine our daily approach to developing new products.
The new design of these luminaires is therefore the result of continuous research, extensive testing and the use of the best materials and technologies for this area of application.
Our patented reflectors (European Patent EP 3098504) enable perfect light deflection through intensive concentration of the light with maximum visual comfort.
Additional information on BEGA Vortex Optics® can be found on Page 14.
These luminaires are ideal for areas subject to heavy use.
The highly corrosion-resistant aluminium installation housing sits on its own foundation and can withstand pressure loads of up to 5000 kg. Before the luminaires are installed, a foundation including drainage must be provided by the customer to absorb the pressure loads of the luminaires.

The RGBW luminaires in this series can be controlled by DALI colour light control (DT8, RGBWAF, xy, TC).
Suitable DALI system components can be found on Page 568.

When the glass is wet, there may be a risk of slipping. For walkable public areas, we recommend skid-blocking glass in accordance with DIN 51130 R13. With the additional specification **R** after the article number, we can supply all luminaires with skid-blocking glass. This increases the dispersion of the light distribution.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	5000 kg
Luminaire luminous flux	245 to 3475 lm
Connected wattage	3.9 to 35.3 W
Size	□ 185 · 220 mm
Protection class	IP 68 · 10 m

Cover frames made of stainless steel
Highly corrosion-resistant aluminium, coated with BEGA Tricoat®
Glass fibre reinforced synthetic material
Safety glass
Floodlight:
Reflector surface made of pure aluminium
BEGA Vortex Optics®

BEGA Ultimate Driver®
on/off or DALI-controllable

Integrated water stop and connecting cable

BEGA Thermal Management®

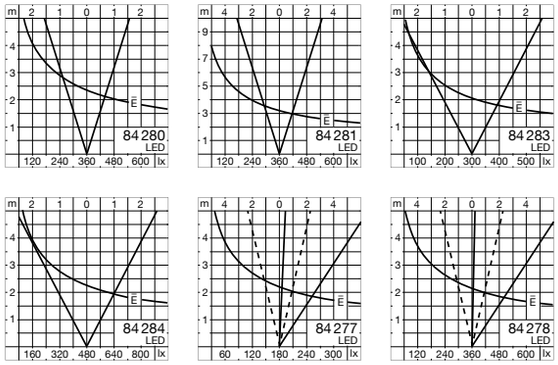
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

On request, the luminaires are available in the light colours green, blue, amber and red.

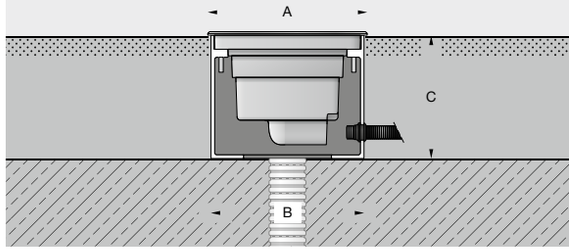
20-year availability guarantee for LED modules

Light distribution





Drive-over in-ground luminaires
Location luminaires or floodlights
for installation situations with high pressure loads



Location luminaires

	LED		PSU	max. t_a	A	B	C	AC/DC
84 286	3.9 W	245 lm	on/off	50 °C	185□	180□	170	✔
84 287	4.8 W	345 lm	on/off	50 °C	220□	215□	170	✔

Floodlights · **Symmetrical** light distribution

Narrow beam	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 280	19.0 W	1395 lm	DALI	24°	50 °C	185□	180□	170	✔
84 281	35.3 W	2730 lm	DALI	24°	50 °C	220□	215□	170	✔
Wide beam									
84 283	19.0 W	1895 lm	DALI	43°	50 °C	185□	180□	170	✔
84 284	35.3 W	3475 lm	DALI	43°	50 °C	220□	215□	170	✔

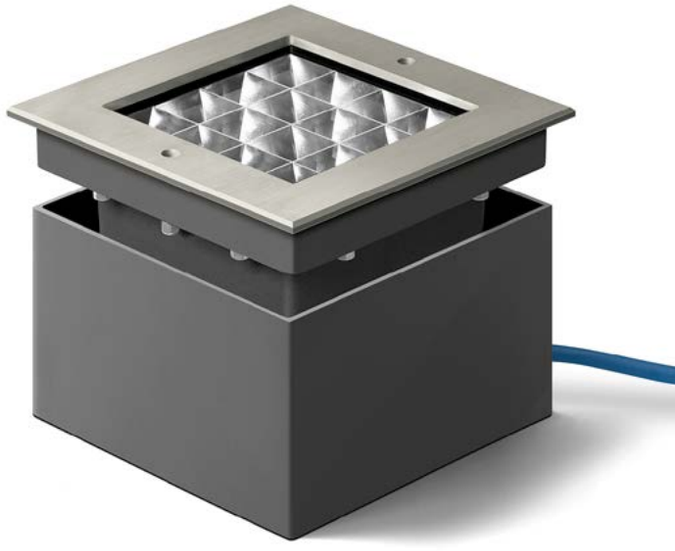
Wall washers · **Asymmetrical wide beam** light distribution

	LED		PSU	β	max. t_a	A	B	C	AC/DC
84 277	19.0 W	1635 lm	DALI	42/50°	50 °C	185□	180□	170	✔
84 278	35.3 W	2845 lm	DALI	42/50°	50 °C	220□	215□	170	✔

RGBW location luminaires

	LED		PSU	max. t_a	A	B	C	AC/DC
84 910	11.5 W	470 lm	DALI DT 8	50 °C	180□	180□	170	✔
84 911	20.0 W	850 lm	DALI DT 8	50 °C	220□	215□	170	✔

β = Half beam angle max. t_a = Maximum permissible ambient temperature







Location luminaires



In-ground luminaires
Symmetrical



In-ground luminaires
Asymmetrical



Location luminaires
RGB

Drive-over in-ground luminaires · 24 V DC
for installation situations with shallow installation depths
Location luminaires, luminaires with symmetrical
or asymmetrical light distribution or RGB luminaires

Linear in-ground luminaires in various lengths for installation in paved ground surfaces indoors and out. The different lengths and the compact dimensions allow a multitude of design options with linear light from ground level.
Before the luminaires are installed, a foundation including drainage must be provided by the customer to absorb the pressure loads of the luminaires.

A separate 24 V DC power supply unit is required to operate the luminaires.
For additional information, see Page 566.

An operating device and a colour light control are also required to operate the RGB luminaires.
DALI system components can be found on Pages 568 to 571.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux and maximum ambient temperature are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	1000 kg
Luminaire luminous flux	2 to 585 lm
Connected wattage	0.4 to 25.0 W
Length	100 · 200 · 400 · 1000 mm
Protection class	IP 67
Safety class	III

Cover frames and luminaire housings made of stainless steel
Installation housing made of aluminium
Safety glass
Reflector made of pure anodised aluminium
Connecting cable

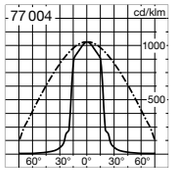
A separate 24 V DC power supply unit is required to operate the luminaires.

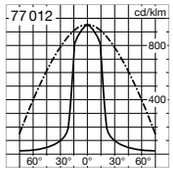
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

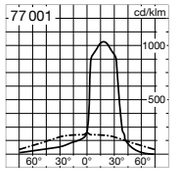
20-year availability guarantee for LED modules

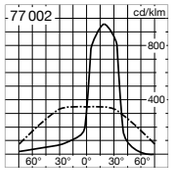
Light distribution



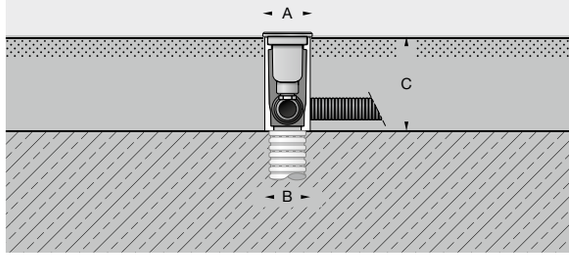








Drive-over in-ground luminaires · 24 V DC
for installation situations with shallow installation depths





Location luminaires

	LED		PSU	A	B	C
88 300	0.6 W	2 lm	without*	100 × 37	34	70
88 301	0.4 W	4 lm	without*	200 × 37	34	70
88 302	1.0 W	20 lm	without*	400 × 37	34	70
88 303	2.3 W	55 lm	without*	1000 × 55	51	100

In-ground luminaires · **Symmetrical** light distribution

	LED		PSU	A	B	C
77 004	3.6 W	200 lm	without*	400 × 55	51	100
77 012	10.5 W	585 lm	without*	1000 × 55	51	100

In-ground luminaires · **Asymmetrical** light distribution

	LED		PSU	A	B	C
77 001	3.6 W	175 lm	without*	400 × 55	51	100
77 002	10.5 W	500 lm	without*	1000 × 55	51	100

RGB location luminaires

	LED		PSU	A	B	C
88 897	4.1 W		without*	200 × 37	34	70
88 898	10.2 W		without*	400 × 37	34	70
88 899	25.0 W		without*	1000 × 55	51	100



*Suitable 24 V DC power supply units can be found on Page 566.





Location luminaires



Floodlights
Narrow beam



Floodlights
Wide beam



Floodlights
Asymmetrical

Drive-over in-ground luminaires
Location luminaires or floodlights
for installation situations with shallow installation depths

Drive-over in-ground luminaires with high light output for installation in paved ground surfaces – indoors and out.
Our patented reflectors (European Patent EP 3098504) enable perfect light deflection through intensive concentration of the light with maximum visual comfort.
Additional information on BEGA Vortex Optics® can be found on Page 14.
Before the luminaires are installed, a foundation including drainage must be provided by the customer to absorb the pressure loads of the luminaires.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	1000 kg
Luminaire luminous flux	1035 to 5885 lm
Connected wattage	18.3 to 53.4 W
Length	535 · 1025 · 1520 mm
Protection class	IP 67

Cover frames made of stainless steel
Luminaire housing and installation housing made of aluminium and cast aluminium
Safety glass
Floodlight:
Reflector surface made of pure aluminium
BEGA Vortex Optics®

DALI-controllable power supply units

Integrated water stop and connecting cable

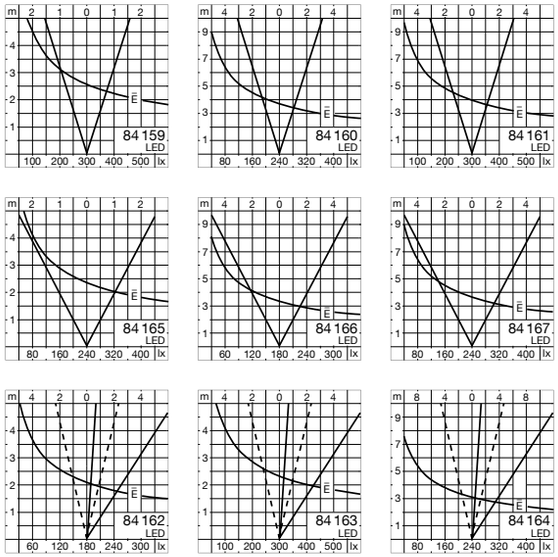
BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

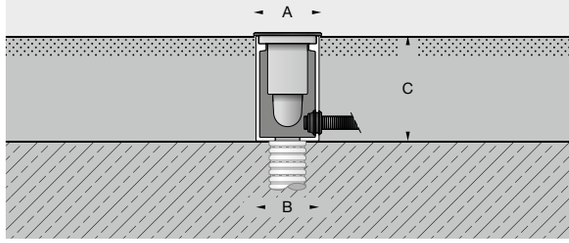
20-year availability guarantee for LED modules

Light distribution





Drive-over in-ground luminaires
Location luminaires or floodlights **for installation situations with shallow installation depths**



Location luminaires

	LED		PSU	A	B	C	AC/DC
84 156	18.3 W	1035 lm	DALI	535 × 82	78	130	✔
84 157	35.6 W	2085 lm	DALI	1025 × 82	78	130	✔
84 158	53.4 W	3210 lm	DALI	1520 × 82	78	130	✔

Floodlights · **Narrow beam** light distribution

	LED		PSU	β	A	B	C	AC/DC
84 159	18.3 W	1255 lm	DALI	34°	535 × 82	78	130	✔
84 160	35.6 W	2235 lm	DALI	34°	1025 × 82	78	130	✔
84 161	53.4 W	3500 lm	DALI	34°	1520 × 82	78	130	✔

Floodlights · **Wide beam** light distribution

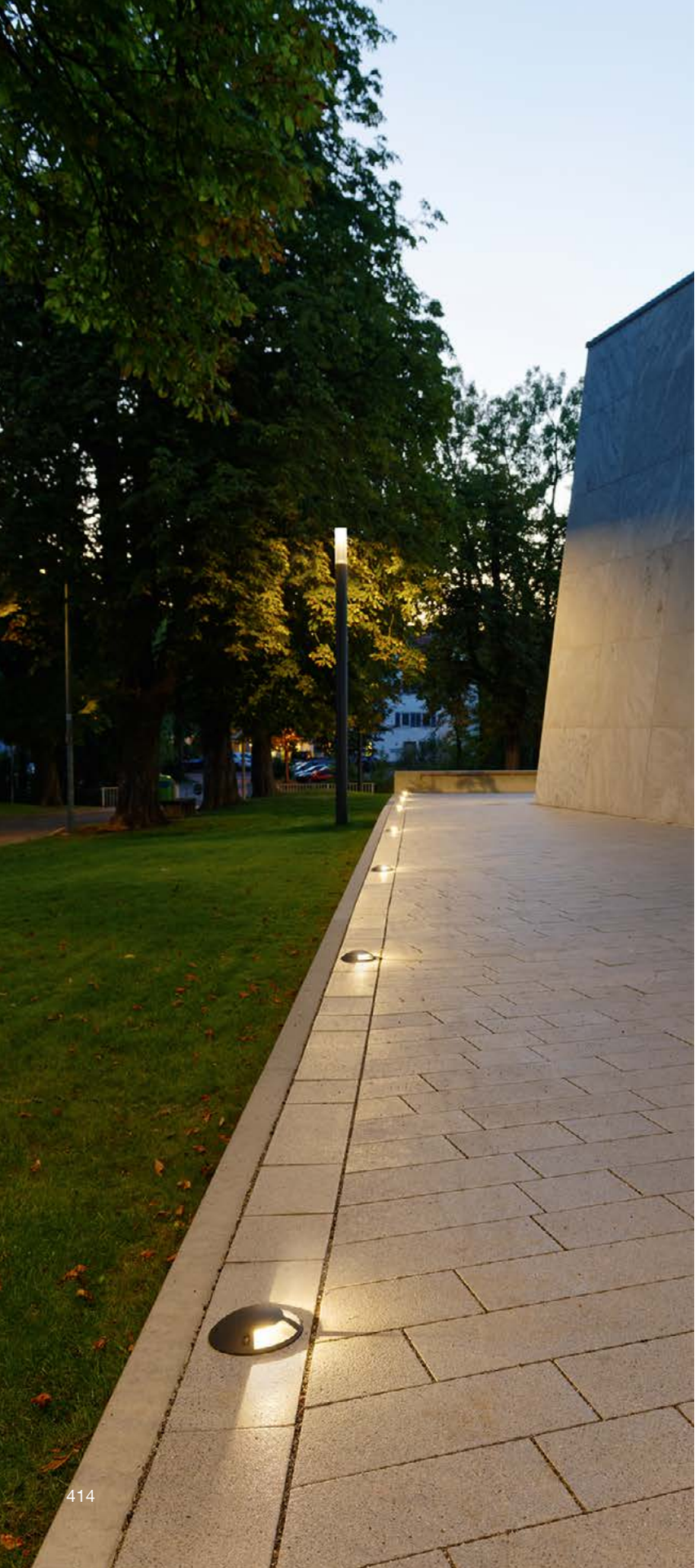
	LED		PSU	β	A	B	C	AC/DC
84 165	18.3 W	1930 lm	DALI	55°	535 × 82	78	130	✔
84 166	35.6 W	3755 lm	DALI	55°	1025 × 82	78	130	✔
84 167	53.4 W	5885 lm	DALI	55°	1520 × 82	78	130	✔

Floodlights · **Asymmetrical** light distribution

	LED		PSU	β	A	B	C	AC/DC
84 162	18.3 W	1655 lm	DALI	46/53°	535 × 82	78	130	✔
84 163	35.6 W	3325 lm	DALI	46/53°	1025 × 82	78	130	✔
84 164	53.4 W	5045 lm	DALI	46/53°	1520 × 82	78	130	✔

β = Half beam angle









Drive-over in-ground luminaires
with compact dimensions
for the illumination of ground surfaces

Drive-over in-ground luminaires with compact dimensions for installation in paved ground surfaces – indoors and out. The luminaires are available with different light sectors for various on-site lighting situations.
The light from the luminaires is directed immediately above ground level onto the surface to be illuminated, thus illuminating walkways and traffic areas or highlighting potential hazards such as stairs and steps. The luminaires are mounted in a housing made of stainless steel on a foundation provided by the customer that absorbs the pressure loads of the luminaires.

These luminaires can be driven over by vehicles with pneumatic tyres.

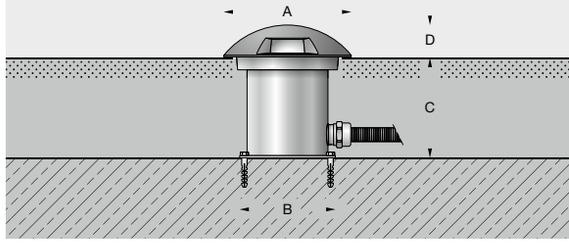
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	1000 kg
Luminaire luminous flux	25 to 90 lm
Connected wattage	2.3 to 6.0 W
Size	Ø 120 mm
Protection class	IP 67
Luminaire cover made of cast aluminium Luminaire housing made of stainless steel Silicate glass	
on/off power supply units	
Integrated water stop and connecting cable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
On request, the luminaires are available in the light colours green, blue, amber and red.	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution	



Drive-over in-ground luminaires
with compact dimensions
for the illumination of ground surfaces





1 light sector · **60°**

	LED		PSU	A	B	C	D	AC/DC
88 671	2.3 W	25 lm	on/off	120	90□	95	30	✔



1 light sector · **180°**

	LED		PSU	A	B	C	D	AC/DC
88 673	4.3 W	65 lm	on/off	120	90□	95	30	✔

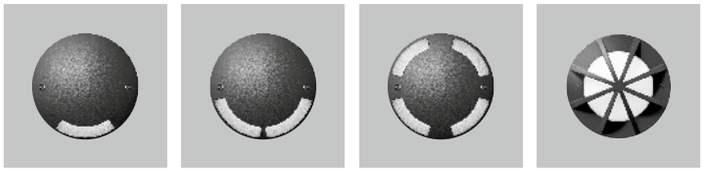


4 light sectors, **60°** each

	LED		PSU	A	B	C	D	AC/DC
88 675	6.0 W	90 lm	on/off	120	90□	95	30	✔







Drive-over in-ground luminaires
for the illumination of ground surfaces in installation situations with high pressure loads

In-ground luminaires for the illumination of ground surfaces – indoors and out. Optionally available with one or four light sectors or unshielded with guard for different lighting situations. This new luminaire series is a continuation of a series that we have been manufacturing for more than 30 years. Knowledge, decades of experience and a constant willingness to learn determine our daily approach to developing new products. The new design of these luminaires is therefore the result of continuous research, extensive testing and the use of the best materials and technologies for this area of application.
Like their predecessors, these luminaires are designed for heavy-duty use.
The highly corrosion resistant cast aluminium housing sits on its own foundation and can withstand pressure loads of up to 4000 kg. Before the luminaires are installed, a foundation including drainage must be provided by the customer to absorb the pressure loads of the luminaires.
Additional information on BEGA Hybrid Optics® can be found on Page 14.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	4000 kg
Luminaire luminous flux	145 to 580 lm
Connected wattage	5.0 to 22.3 W
Size	Ø 240 mm
Protection class	IP 67

Highly corrosion-resistant cast aluminium, coated with BEGA Tricoat®

Glass fibre reinforced synthetic material

Borosilicate glass

84 272 Crystal glass, inside white

Reflector made of pure anodised aluminium

Optical silicone lens · BEGA Hybrid Optics®

BEGA Ultimate Driver®
on/off or DALI-controllable

Integrated water stop and connecting cable

BEGA Thermal Management®

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

On request, the luminaires are available in the light colours green, blue, amber and red.

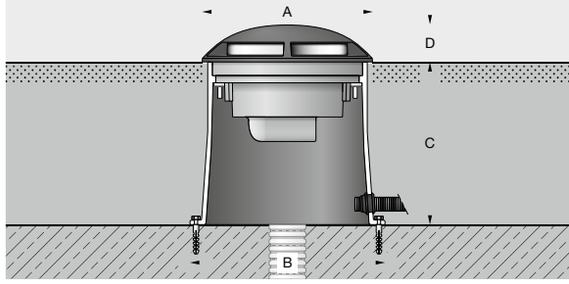
Luminaire colour · BEGA Unidure®
Graphite

20-year availability guarantee for LED modules

Light distribution



Drive-over in-ground luminaires **for installation situations with high pressure loads for the illumination of ground surfaces**





1 light sector · **60°**

	LED		PSU	A	B	C	D	AC/DC
84 268	10.5 W	145 lm	DALI	240	275	230	50	✔



1 light sector · **180°**

	LED		PSU	A	B	C	D	AC/DC
84 269	14.0 W	370 lm	DALI	240	275	230	50	✔



4 light sectors, **60°** each

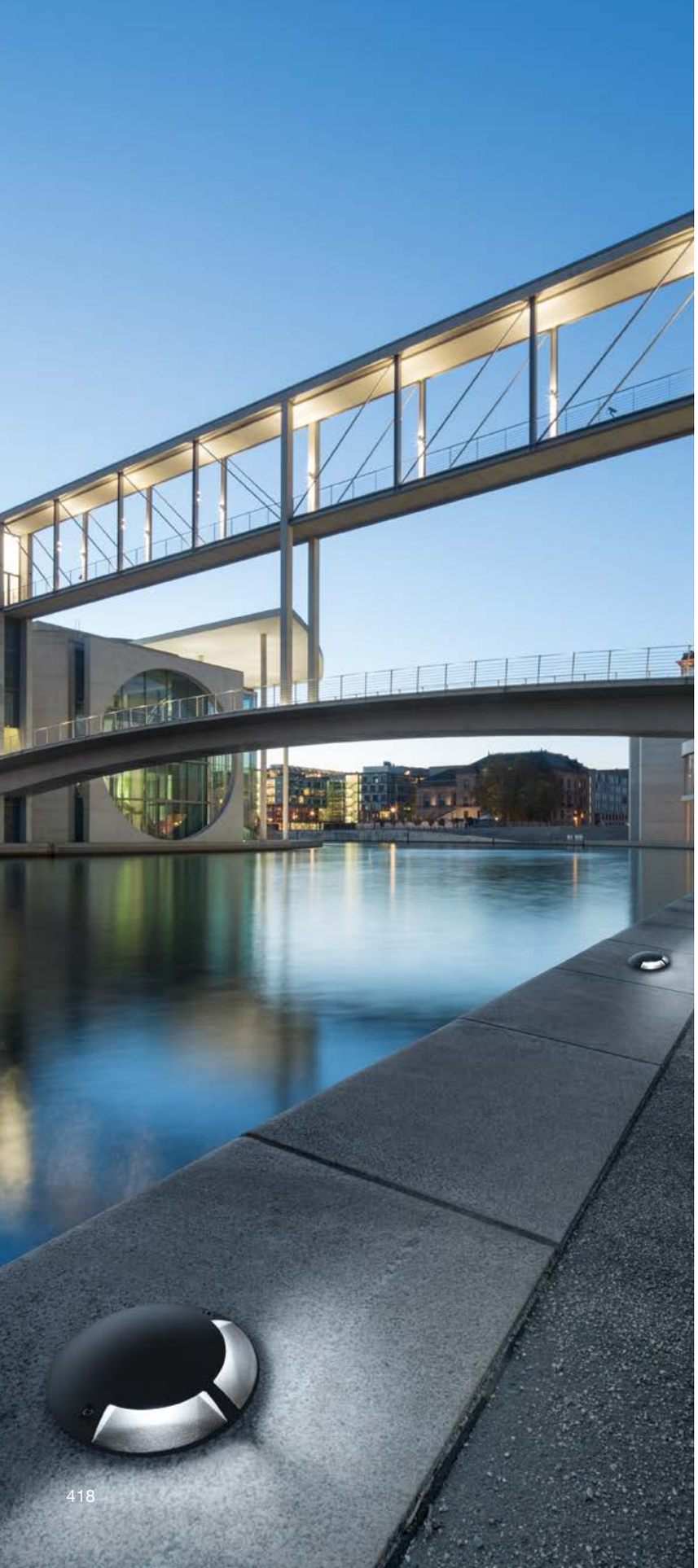
	LED		PSU	A	B	C	D	AC/DC
84 271	22.3 W	580 lm	DALI	240	275	230	50	✔



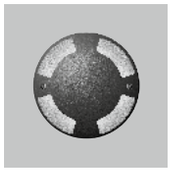
Unshielded with guard

	LED		PSU	A	B	C	D	AC/DC
84 272	5.0 W	145 lm	on/off	240	275	230	50	✔









Drive-over on-ground luminaires
for installation on the ground to illuminate ground surfaces

The construction principle of these luminaires provides a solution for numerous lighting applications involving extensive ground illumination. The significantly lower installation costs compared to recessed luminaires and the different installation variants reduce installation costs and offer a high degree of flexibility. The luminaires are simply fixed to the substrate with a mounting plate. A hole drilled under the luminaire by the customer is required for the cable routing.
We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces. Additional information on connection housings can be found on Page 582. Provided the load-bearing capacity of the floor is sufficient, the pressure load-bearing capacity is 1000 kg.

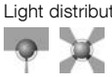
A separate 24 V DC power supply unit is required to operate luminaires 77 069 and 77 070. For additional information, see Page 566.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	1000 kg
Luminaire luminous flux	20 to 265 lm
Connected wattage	1.3 to 13.4 W
Size	Ø 160 · 270 mm
Protection class	IP 67
Cast aluminium and stainless steel Borosilicate glass Reflector made of pure anodised aluminium	
Luminaires without power supply unit or on/off power supply unit	
Integrated water stop and connecting cable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
On request, the luminaires are available in the light colours green, blue, amber and red.	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution	

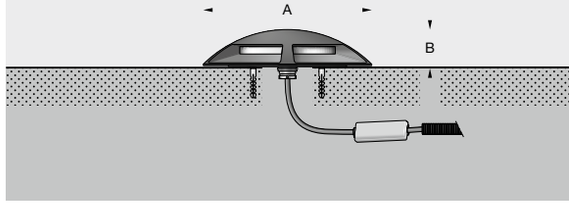




Connection housing

We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces.
Additional information on connection housings can be found on Page 582.

Drive-over on-ground luminaires
for installation on the ground
for the illumination of ground surfaces







1 light sector · **180°**

	LED		PSU	A	B	AC/DC	Connection housing
77 069	1.3 W	20 lm	without*	160	40	—	**71 246**
77 089	7.0 W	175 lm	on/off	270	55	✔	**71 246**

1 light sector · **360°**

	LED		PSU	A	B	AC/DC	Connection housing
77 070	2.6 W	30 lm	without*	160	40	—	**71 246**
77 090	13.4 W	265 lm	on/off	270	55	✔	**71 246**

*Safety class III · Suitable 24 V DC power supply units can be found on Page 566







Drive-over in-ground luminaires · Wall washers
with a shallow installation depth for the illumination of vertical surfaces

Drive-over in-ground luminaires for installation in paved ground surfaces – indoors and out.
The lighting technology and design of these in-ground floodlights make it possible to illuminate a vertical surface, such as a façade, almost completely from the ground to the lower edge of the roof.
The lower limit of the light distribution is linear, without the usual “light cone” seen with in-ground floodlights.
The technically identical luminaires are optionally available with a cover, made of corrosion-resistant cast aluminium or cast bronze.

The luminaires are mounted in a recessed housing on a foundation that absorbs the pressure loads. The foundation, including drainage, must be laid by the customer before installation.

The luminaires can be driven over by vehicles with pneumatic tyres.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Pressure load	1000 kg
Luminaire luminous flux	2335 lm
Connected wattage	27.5 W
Size	Ø 285 mm
Protection class	IP 67

Cast aluminium or cast bronze cover
Luminaire housing made of cast aluminium
Installation housing made of stainless steel
Tempered crystal glass
Silicone diffusing lens
Reflector surface made of pure aluminium

DALI-controllable power supply units

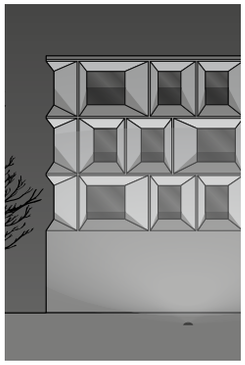
Integrated water stop and connecting cable

BEGA Thermal Management®

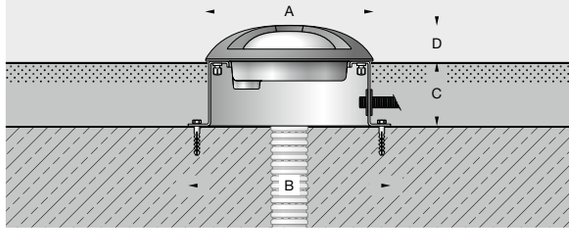
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

84 618 luminaire colour · BEGA Unidure®
Graphite
84 175 Cast bronze

20-year availability guarantee for LED modules



Drive-over in-ground luminaires · Wall washers
with a shallow installation depth
for the illumination of vertical surfaces



In-ground luminaire · **Wall washer** · Cover made of **cast aluminium**

	LED		PSU	A	B	C	D	AC/DC
84 618	27.5 W	2335 lm	DALI	285	345	110	60	✔

In-ground luminaire · **Wall washer** · Cover made of **cast bronze**

	LED		PSU	A	B	C	D	AC/DC
84 175	27.5 W	2335 lm	DALI	285	345	110	60	✔



The following table serves as a project planning aid. The luminaire arrangement is determined by the size of the object to be illuminated and the degree of illuminance desired.

Project planning aid	A	H	B	Ē	E_{min}
84 618	1.5 m	4.0 m	3.0 m	127 lx	21.0 lx
84 175	2.0 m	6.0 m	4.5 m	56 lx	10.5 lx
	3.0 m	8.0 m	6.0 m	32 lx	6.0 lx

A – Distance from the luminaires to the façade H – Height of the façade B – Distance between the luminaires
Ē – Average degree of illuminance on the façade E_{min} – Minimum degree of illuminance



On-ground luminaire · Wall washer · RGB W
for installation on ground level to illuminate vertical surfaces

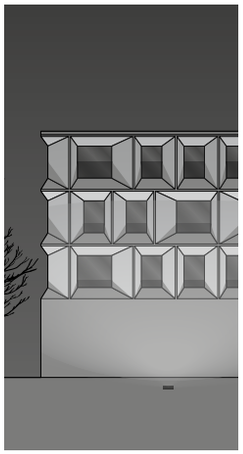
The lighting technology and design of these on-ground floodlights make it possible to illuminate a vertical surface, such as a façade, almost completely from the ground to the lower edge of the roof.
The lower limit of the light distribution is linear, without the usual “light cone” seen with in-ground floodlights. The significantly lower amount of installation work required in comparison to recessed luminaires, as well as the different installation variants, reduce installation costs and offer a high degree of flexibility. The luminaires are simply secured to the substrate by means of a mounting plate. A hole drilled under the luminaire by the customer is required for the cable routing.
We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces. Additional information on connection housings can be found on Page 582.

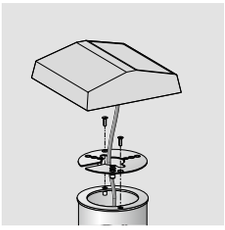
The RGB W luminaires in this series can be controlled by DALI colour light control (DT 8, RGBWAF, xy, TC).
Suitable DALI system components can be found on Page 568.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1750 · 4200 lm
Connected wattage	27.2 · 33.2 W
Size	260 × 250 mm
Height	75 mm
Protection class	IP 67
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
Integrated water stop and connecting cable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

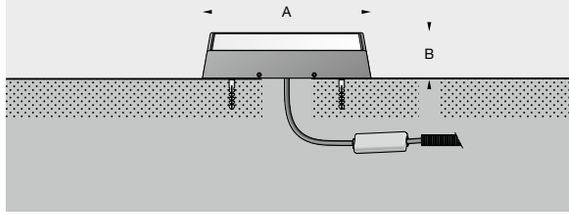




Connection housing

We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces.
Additional information on connection housings can be found on Page 582.

On-ground luminaire · Wall washer
for installation on the ground to illuminate vertical surfaces



On-ground luminaire · **Wall washer**

	LED		PSU	A	B	AC/DC	Connection housing
84 174	33.2 W	4200 lm	DALI	260 × 250	75	✔	**71 246**

On-ground luminaire · **Wall washer · RGB W**

	LED		PSU	A	B	AC/DC	Connection housing
84 874	27.2 W	1750 lm	DALI DT 8	260 × 250	75	✔	**71 246**

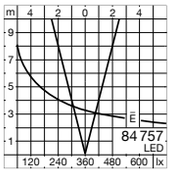
The following table serves as a project planning aid. The luminaire arrangement is determined by the size of the object to be illuminated and the degree of illuminance desired.

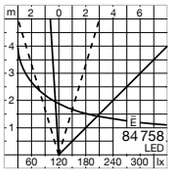
Project planning aid	**A**	**H**	**B**	**Ē**	E_{min}
	1.5 m	6.0 m	4.5 m	117 lx	20.0 lx
84 174	2.0 m	8.0 m	6.0 m	66 lx	11.4 lx
	3.0 m	12.0 m	9.0 m	29 lx	5.0 lx

A – Distance from the luminaires to the façade H – Height of the façade B – Distance between the luminaires
Ē – Average degree of illuminance on the façade E_{min} – Minimum degree of illuminance









On-ground luminaires
With symmetrical or asymmetrical light distribution

Floodlights with symmetrical or asymmetrical light distribution for the illumination of façades or trees from the ground.
These luminaires are an alternative both to in-ground luminaires – due to the significantly less installation work required – and to floodlights with freely accessible adjustability.
These robust floodlights for permanent installation are characterised by a compact design.
We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces.
Additional information on connection housings can be found on Page 582.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

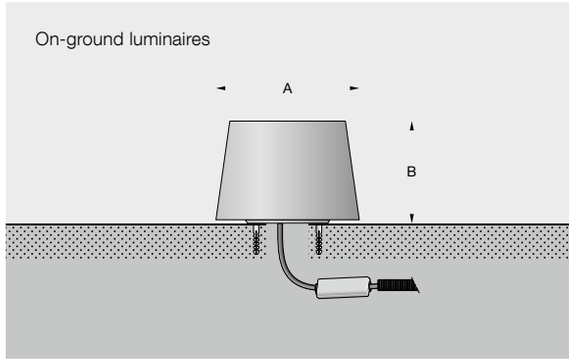
Luminaire data

Luminaire luminous flux	2620 · 2810 lm
Connected wattage	22.8 · 27.0 W
Size	Ø 205 mm
Protection class	IP 67
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
Integrated water stop and connecting cable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	
Light distribution	



Connection housing

We offer a connection housing as an accessory for different requirements at the installation site. This allows the luminaires to be mounted on unpaved surfaces.
Additional information on connection housings can be found on Page 582.



On-ground floodlights · **Symmetrical** light distribution

	LED		PSU	β	A	B	AC/DC	Connection housing
84 757	22.8 W	2810 lm	DALI	28°	205	180	✔	**71 246**

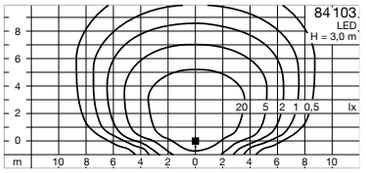
On-ground floodlights · **Asymmetrical** light distribution

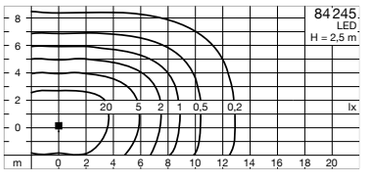
	LED		PSU	β	A	B	AC/DC	Connection housing
84 758	27.0 W	2.620 lm	DALI	75/60°	205	180	✔	**71 246**

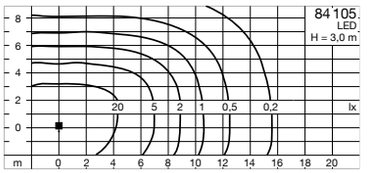
β = Half beam angle











Pole-top luminaires
Asymmetrical or asymmetrical flat beam light distribution

Pole-top luminaires with asymmetrical or asymmetrical flat beam light distribution for mounting heights of 2500 to 3000 millimetres.

Depending on the light distribution, they are suitable for illuminating small squares, access routes, entrance areas or parking areas for bicycles and e-bikes. Illuminating and structure-giving design elements – available with two different outputs and in single and double versions. The light distribution can be precisely aligned to the surface to be illuminated, thanks to the luminaire housing's adjustable attack angle.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

In the table, we recommend BEGA luminaire poles that match the finish and colour, as well as the design and statics of the pole-top luminaires in this series. The complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes can be found on Pages 583 to 593.

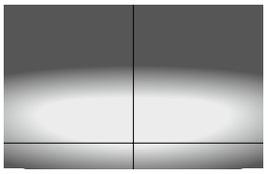
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2110 to 5850 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	16.0 to 44.4 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Attack angle infinitely adjustable from 0° to 90°	
Asymmetrical or asymmetrical flat beam light distribution	
Colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

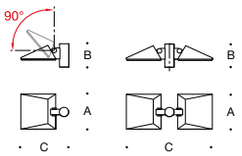


Asymmetrical



Asymmetrical flat beam

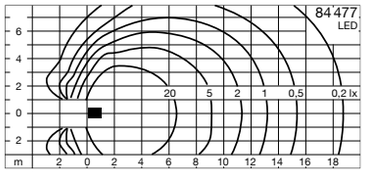


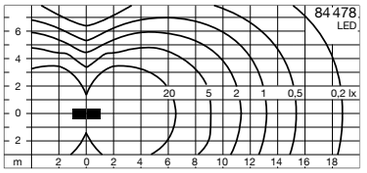


Pole-top luminaires · **Asymmetrical** light distribution									Luminaire poles		
	LED		PSU		A	B	C	AC/DC	Pole heights	Top	Groups
84 103	22.2 W	2660 lm	DALI	**Single**	260	190	360	✔	2500 - 3000	Ø 60	32 · 12
84 104	44.4 W	5320 lm	DALI	**Double**	260	190	630	✔	2500 - 3000	Ø 60	32 · 12

Pole-top luminaires · **Asymmetrical flat beam** light distribution									Luminaire poles		
	LED		PSU		A	B	C	AC/DC	Pole heights	Top	Groups
84 245	16.0 W	2110 lm	DALI	**Single**	260	190	360	✔	2500 - 3000	Ø 60	32 · 12
84 105	22.2 W	2925 lm	DALI	**Single**	260	190	360	✔	2500 - 3000	Ø 60	32 · 12
84 246	32.0 W	4220 lm	DALI	**Double**	260	190	630	✔	2500 - 3000	Ø 60	32 · 12
84 106	44.4 W	5850 lm	DALI	**Double**	260	190	630	✔	2500 - 3000	Ø 60	32 · 12







Light building elements
Asymmetrical light distribution

Light building elements with asymmetrical light distribution.
Different architectural dimensions require different luminaire proportions. These light building elements with a mounting height of 3000 millimetres are a great solution for lighting applications in small to medium-sized public areas. Small squares, entrance areas, connecting paths, parking areas for bicycles and e-bikes are typical examples of applications for BEGA light building elements with these dimensions. Illuminating and structure-giving design elements – available in single and double versions.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

These luminaires are equipped with BEGA Thermal Management® to protect against overheating due to excessive ambient temperatures. BEGA Ultimate Driver® is also a guarantee for premium component quality and the extra-long service life of the power supply units used, completing the overall technological package of these light building elements.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories. Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

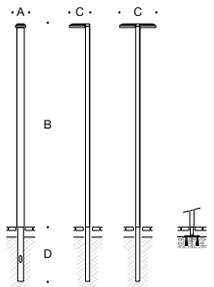
Luminaire data

Luminaire luminous flux	2725 · 5450 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	26.6 · 53.2 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made or pure aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical light distribution	
Colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical

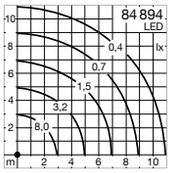


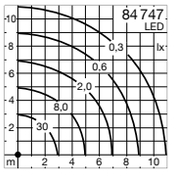


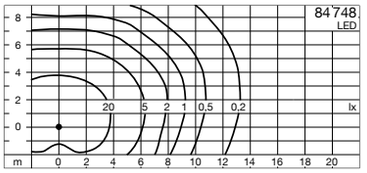
Light building elements · **Asymmetrical** light distribution

	LED		PSU	Connection		A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 477	26.6 W	2725 lm	DALI	Terminals 5 × 4□	**Single**	140	3000	280	800	✔	**71 192**	**71 191**
84 478	53.2 W	5450 lm	DALI	Terminals 5 × 4□	**Double**	140	3000	500	800	✔	**71 192**	**71 191**









Light building elements
Unshielded light, symmetrical or asymmetrical flat beam light distribution

Light building elements with unshielded light, symmetrical or asymmetrical flat beam light distribution. Different architectural dimensions require different luminaire proportions. These light building elements with a mounting height of 2500 millimetres are a great solution for lighting applications in small to medium-sized public areas: for the illumination of small squares, entrance areas in front of buildings and connecting paths. They are illuminating and structure-giving design elements.

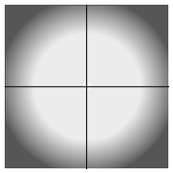
The technical data for the connection boxes can be found on Page 585.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base.Please order anchorage units and screw-on bases separately as accessories. Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

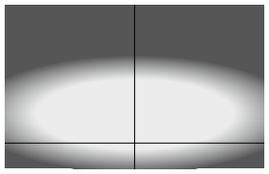
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

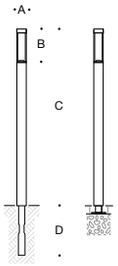
Luminaire luminous flux	2360 to 2550 lm
Connected wattage	17.5 · 22.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cylinder translucent white or clear Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Unshielded light, symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Symmetrical



Asymmetrical flat beam



Light building element · Synthetic cylinder **translucent white · Unshielded** light

	LED		PSU	Connection box	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 894	17.5 W	2550 lm	DALI	71 084	140	480	2500	800	✔	**71 242**	**71 243**

Light building element · Synthetic cylinder **clear · Symmetrical** light distribution

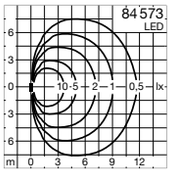
	LED		PSU	Connection box	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 747	22.5 W	2.440 lm	DALI	71 084	140	480	2500	800	✔	**71 242**	**71 243**

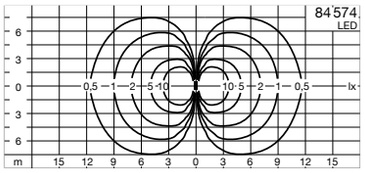
Light building element · Synthetic cylinder **clear · Asymmetrical flat beam** light distribution

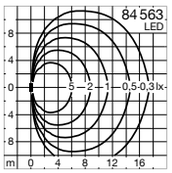
	LED		PSU	Connection box	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 748	22.5 W	2360 lm	DALI	71 084	140	480	2500	800	✔	**71 242**	**71 243**

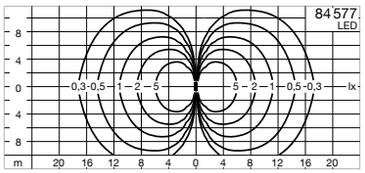












Light building elements
Unshielded light, light emission on one or two sides

Unshielded light building elements with light emission on one or two sides. Different architectural dimensions require different luminaire proportions. These light building elements, with mounting heights of 2500 millimetres and 3500 millimetres, are a great solution for lighting applications in small to medium-sized public areas. Small squares, entrance areas in front of buildings and connecting paths are typical examples of applications for BEGA light building elements with these dimensions.
They are illuminating and structure-giving design elements.

These luminaires are equipped with BEGA Thermal Management® to protect against overheating due to excessive ambient temperatures. BEGA Ultimate Driver® is also a guarantee for premium component quality and the extra-long service life of the power supply units used.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base.Please order anchorage units and screw-on bases separately as accessories. Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

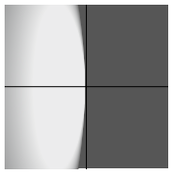
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1205 to 3460 lm
Connected wattage	17.4 to 51.2 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



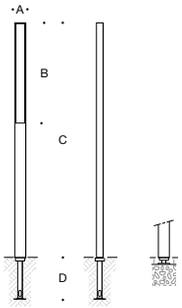
Bollards Page 280



On one side



On two sides



Light building elements · Light emission **on one side**

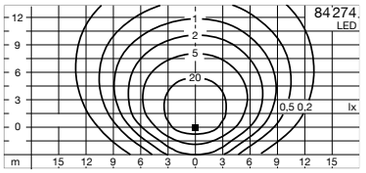
	LED		PSU	Connection	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 573	17.4 W	1205 lm	DALI	Terminals 5 × 4□	125 × 90	1000	2500	800	✔	**71 192**	**71 191**
84 563	25.0 W	1730 lm	DALI	Terminals 5 × 4□	125 × 90	1500	3500	800	✔	**71 192**	**71 191**

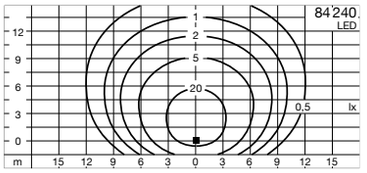
Light building elements · Light emission **on two sides**

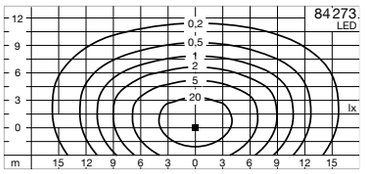
	LED		PSU	Connection	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 574	35.7 W	2410 lm	DALI	Terminals 5 × 4□	125 × 90	1000	2500	800	✔	**71 192**	**71 191**
84 577	51.2 W	3460 lm	DALI	Terminals 5 × 4□	125 × 90	1500	3500	800	✔	**71 192**	**71 191**

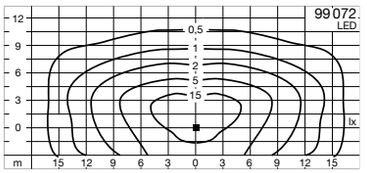












Light building elements
Asymmetrical or asymmetrical flat beam light distribution

Light building elements with symmetrical or asymmetrical flat beam light distribution. They are available with different dimensions and mounting heights and are available in single and double versions.
Striking luminaires suitable for the energy-efficient illumination of access roads, car parks and traffic-calmed zones.
Light building elements are illuminating design elements for public spaces – they are ideal for dividing up and structuring outdoor spaces.
They can be used to guide pedestrians and vehicles.
Their attention-drawing power is considerably greater than that of pole-top luminaires.
Light building elements can be used to serve the architectural structure or to highlight it spectacularly.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

We can also supply these luminaires in safety class II as custom-made products.

Matching light building elements with laminated wood can be found on Page 436.
Wall luminaires that match the design and construction of these luminaires can be found on Page 202 – bollards on Page 266.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories. Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2520 · 5040 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.0 to 40.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector made of pure anodised aluminium

BEGA Ultimate Driver® · DALI-controllable

BEGA Thermal Management®

Asymmetrical or asymmetrical flat beam light distribution

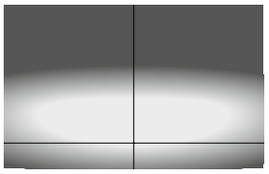
LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

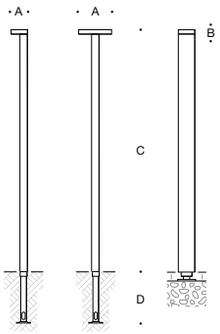
20-year availability guarantee for LED modules



Asymmetrical



Asymmetrical flat beam

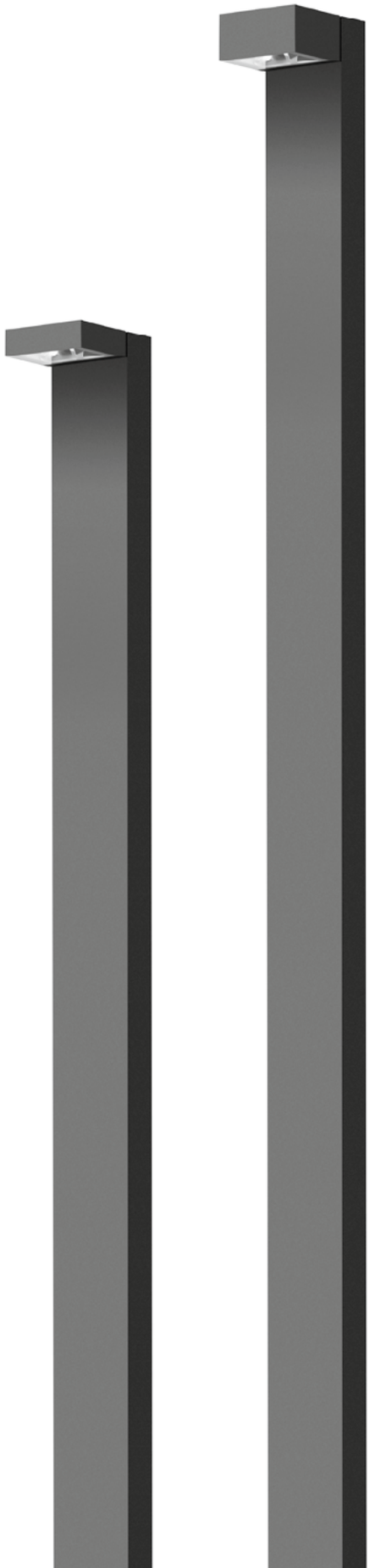


Light building elements · **Asymmetrical** light distribution

	LED		PSU	Connection box		A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 274	20.0 W	2520 lm	DALI	71 084	**Single**	285 × 240	65	3500	800	✔	**71 140**	**70 833**
84 240	20.0 W	2520 lm	DALI	71 084	**Single**	320 × 240	105	4500	800	✔	**71 140**	**70 833**
84 276	38.3 W	5040 lm	DALI	71 084	**Double**	460 × 240	65	3500	800	✔	**71 140**	**70 833**
84 241	40.0 W	5040 lm	DALI	71 084	**Double**	520 × 240	105	4500	800	✔	**71 140**	**70 833**

Light building elements · **Asymmetrical flat beam** light distribution

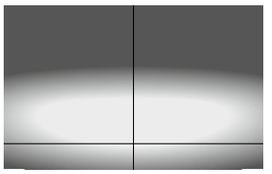
	LED		PSU	Connection box		A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 273	18.0 W	2520 lm	DALI	71 084	**Single**	285 × 240	65	3500	800	✔	**71 140**	**70 833**
99 072	18.0 W	2520 lm	DALI	71 084	**Single**	320 × 240	105	4500	800	✔	**71 140**	**70 833**
84 275	36.0 W	5040 lm	DALI	71 084	**Double**	460 × 240	65	3500	800	✔	**71 140**	**70 833**
99 076	36.0 W	5040 lm	DALI	71 084	**Double**	520 × 240	105	4500	800	✔	**71 140**	**70 833**



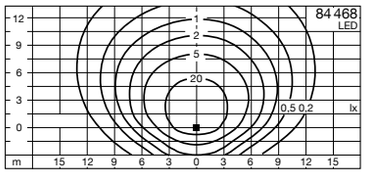


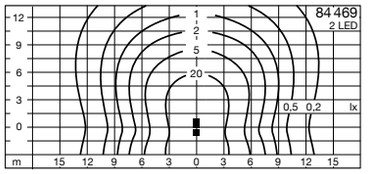


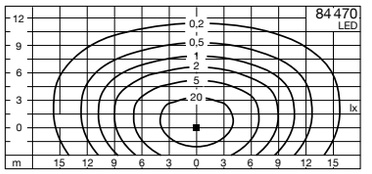
Asymmetrical

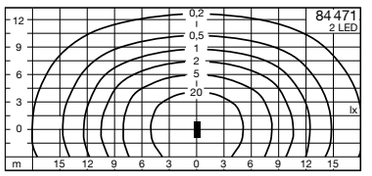


Asymmetrical flat beam









Light building elements **with laminated wood**
Asymmetrical or asymmetrical flat beam light distribution

Light building elements with asymmetrical or asymmetrical flat beam light distribution optionally available in single and double versions. Striking luminaires suitable for the energy-efficient illumination of access roads, car parks and traffic-calmed zones. These luminaires are already part of the BEGA range in a painted aluminium version. We have now added a wooden version to the series.
We manufacture all laminated wood components from finger-jointed pine slats. Their static characteristic values and strength classes comply with the requirements of DIN EN 14 080. The use of high-quality aluminium at the base of the pole means the wood has no direct contact with the ground. The BEGA Coating Technology® used on the aluminium parts also ensures maximum protection in this critical area.
Light building elements are illuminating design elements for public spaces – they are ideal for dividing up and structuring outdoor spaces.
They can be used to guide pedestrians and vehicles.
Their attention-drawing power is considerably greater than that of pole-top luminaires.
Light building elements can be used to serve the architectural structure or to highlight it spectacularly.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories.
Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2520 · 5040 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.0 to 38.3 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel

Laminated wood in accordance with DIN EN 14 080

Safety glass

Reflector made of pure anodised aluminium

BEGA Ultimate Driver® · DALI-controllable

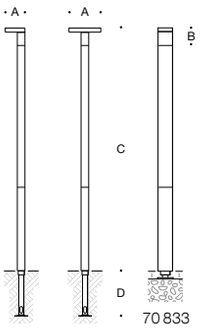
BEGA Thermal Management®

Asymmetrical or asymmetrical flat beam light distribution

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules



70 833

Light building elements with laminated wood · **Asymmetrical** light distribution

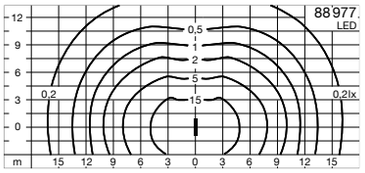
	LED		PSU	Connection box		A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 468	20.0 W	2520 lm	DALI	70 629	Single	285 × 240	65	3500	800	✔	**71 140**	**70 833**
84 469	38.3 W	5040 lm	DALI	70 629	Double	460 × 240	65	3500	800	✔	**71 140**	**70 833**

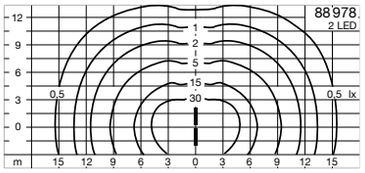
Light building elements with laminated wood · **Asymmetrical flat beam** light distribution

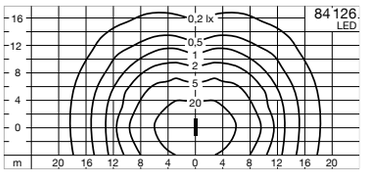
	LED		PSU	Connection box		A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 470	18.0 W	2520 lm	DALI	70 629	Single	285 × 240	65	3500	800	✔	**71 140**	**70 833**
84 471	36.0 W	5040 lm	DALI	70 629	Double	460 × 240	65	3500	800	✔	**71 140**	**70 833**

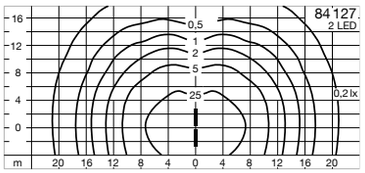












Light building elements
Asymmetrical flat beam light distribution

Light building elements with asymmetrical flat beam light distribution optionally available in single and double versions.
Light building elements are luminous design elements for public areas.
They are ideal for dividing and structuring outdoor spaces, as well as guiding pedestrians and vehicles. Their attention-drawing power is considerably greater than that of pole-top luminaires.
Light building elements can be used to serve the architectural structure or to highlight it spectacularly.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories.
Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

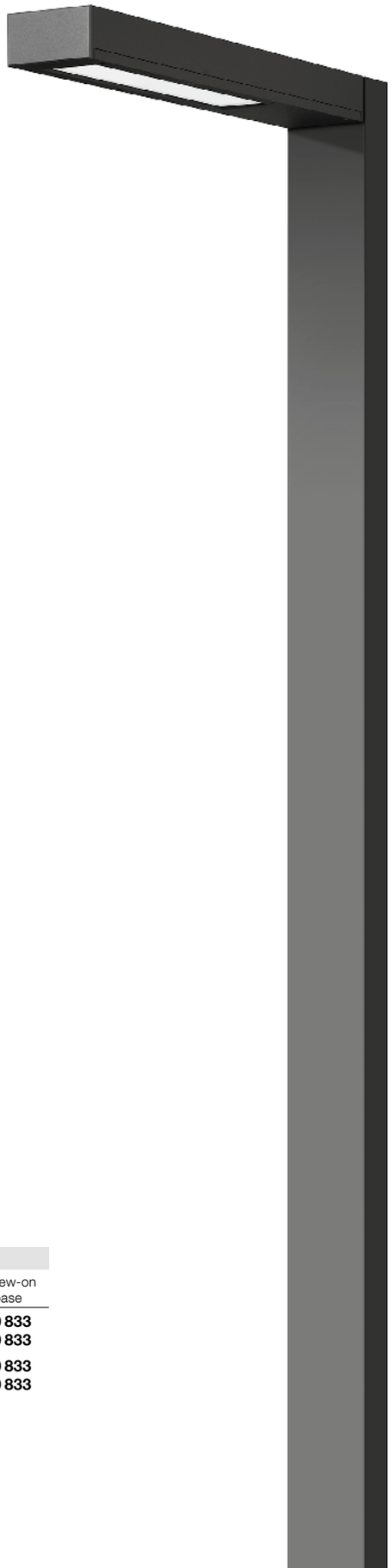
Luminaire data

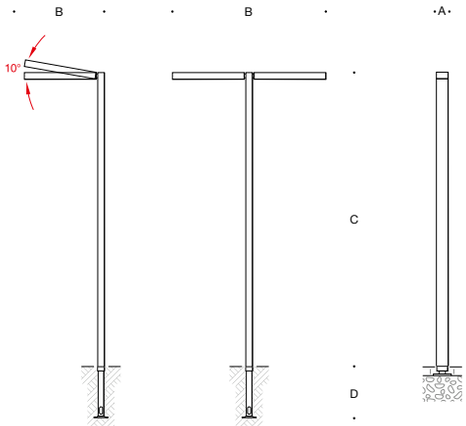
Luminaire luminous flux	2555 to 10 110 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	21.5 to 86.2 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Attack angle adjustable to 0° or 10°	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





Asymmetrical flat beam

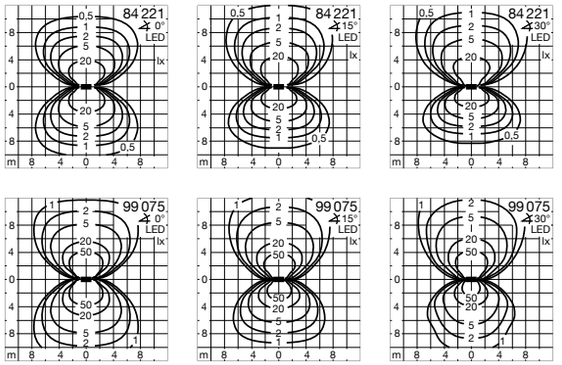




Light building elements · **Asymmetrical flat beam** light distribution

	LED		PSU	Connection box		A	B	C	D	AC/DC	Anchorage unit	Screw-on base
88 977	21.5 W	2555 lm	DALI	70 629	**Single**	95 × 155	1100	4600	800	✔	**71 140**	**70 833**
84 126	43.1 W	5055 lm	DALI	70 629	**Single**	95 × 155	1100	4600	800	✔	**71 140**	**70 833**
88 978	43.0 W	5110 lm	DALI	70 629	**Double**	95 × 155	2100	4600	800	✔	**71 140**	**70 833**
84 127	86.2 W	10 110 lm	DALI	70 629	**Double**	95 × 155	2100	4600	800	✔	**71 140**	**70 833**





Light building elements
Adjustable light distribution

Light building elements with different mounting heights and adjustable light distribution. An internal adjustment device allows the optical system to be individually set to 0°, 15° or 30°. This means that symmetrical light distribution with equal proportions of light or different asymmetrical light distribution ratios can be achieved.
Light building elements are luminous design elements for public areas.
They are ideal for dividing and structuring outdoor spaces, as well as guiding pedestrians and vehicles.

Bollards that match the design and construction of these luminaires can be found on Page 274.

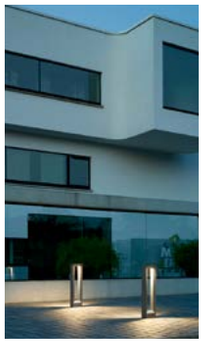
Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories.
Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

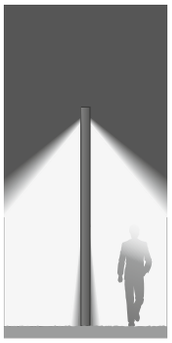
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

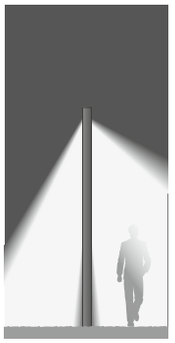
Luminaire luminous flux	2365 · 3875 lm
Connected wattage	32.0 · 40.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Adjustable light distribution 0° · 15° · 30°	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Bollards Page 274



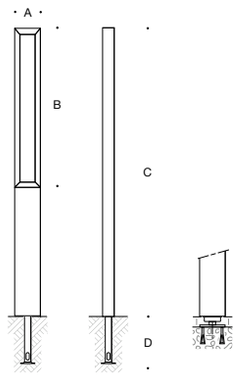
0°



15°

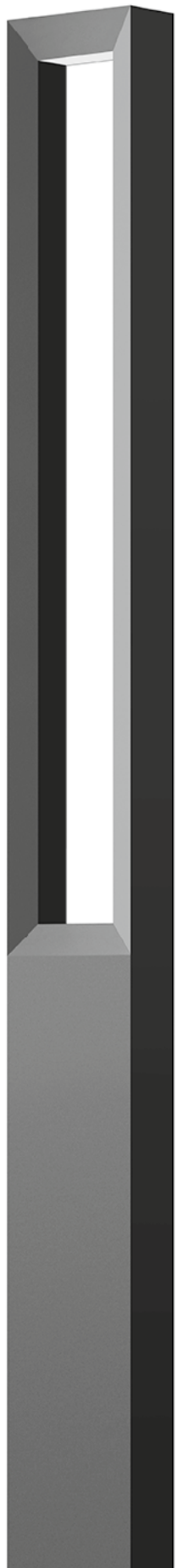


30°

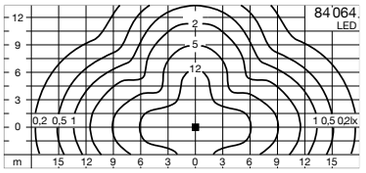


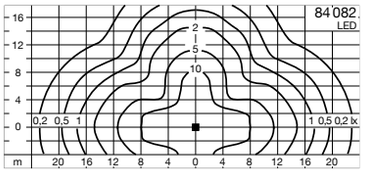
Light building elements with **adjustable** light distribution

	LED		PSU	Connection box	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 221	32.0 W	2365 lm	DALI	71 084	270 × 140	1850	3500	800	✔	**71 140**	**70 833**
99 075	40.0 W	3875 lm	DALI	70 629	400 × 180	2500	4500	800	✔	**71 139**	**70 844**









Light building elements
Directed light · Symmetrical very wide beam light distribution

Light building elements with different mounting heights and directed light for a high degree of illuminance on the ground surface.
Light building elements are illuminating design elements for public spaces; they can be used to guide pedestrians and vehicles. Their attention-drawing power is considerably greater than that of pole-top luminaires. Light building elements can be used to serve the architectonic structure or even to highlight it spectacularly.
We can also supply these luminaires in safety class II as custom-made products.

Bollards that match the design and construction of the luminaires in this series can be found on Page 270.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

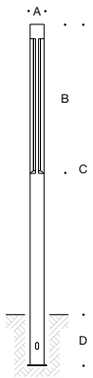
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2415 · 4920 lm
Connected wattage	43.5 · 64.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical very wide beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Bollards Page 270

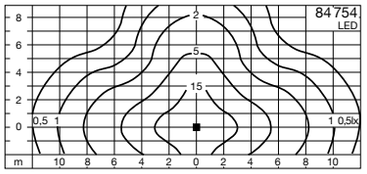


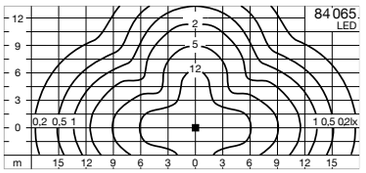
Light building elements · **Directed** light

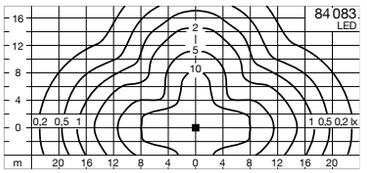
	LED		PSU	Connection box	A	B	C	D	AC/DC
84 064	43.5 W	2415 lm	DALI	71 084	Ø 220	2300	4500	800	✔
84 082	64.5 W	4920 lm	DALI	71 084	Ø 300	3000	6000	1000	✔











Light building elements
Directed light · Symmetrical very wide beam light distribution

Light building elements with different mounting heights and directed light for a high degree of illuminance on the ground surface.
Light building elements are illuminating design elements for public spaces – they are ideal for dividing up and structuring outdoor spaces. Their attention-drawing power is considerably greater than that of pole-top luminaires. Light building elements can be used to serve the architectural structure or to highlight it spectacularly.

Bollards that match the design and construction of the luminaires in this series can be found on Page 272.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories.
Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

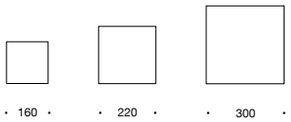
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

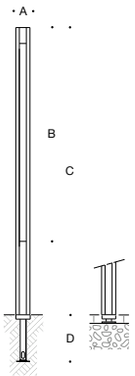
Luminaire data

Luminaire luminous flux	1500 to 5360 lm
Connected wattage	22.0 bis 65.2 W
Protection class	IP 65
Safety class	II
Cast aluminium, aluminium and stainless steel	
Crystal glass · 84 083 Safety glass	
Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical very wide beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Bollards Page 272





Light building elements · **Directed** light

	LED		PSU	Connection box	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 754	22.0 W	1500 lm	DALI	71 084	160 × 160	2800	3500	730	✔	**71 242**	**71 243**
84 065	43.5 W	2715 lm	DALI	70 632	220 × 200	3600	4500	800	✔	**71 137**	**70 829**
84 083	65.2 W	5360 lm	DALI	70 629	300 × 300	4800	6000	1000	✔	**71 135**	**70 848**







Light building elements
Unshielded light

Light building elements with a square layout. They have unshielded light emission on four sides and are available in different mounting heights.
Light building elements are luminous design elements for public areas.
They are particularly suitable for dividing and structuring outdoor spaces. Their ability to attract attention is considerably greater than that of pole-top luminaires.
Light building elements can be used to serve the architectural structure or to highlight it spectacularly.
We can also supply these luminaires in safety class II as custom-made products.

Bollards that match the design and construction of the luminaires in this series can be found on Page 276 – wall luminaires on Page 146.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories.
Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	6040 to 10 020 lm
Connected wattage	51.0 to 96.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cover, translucent white	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

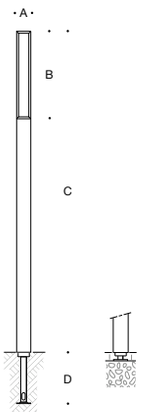


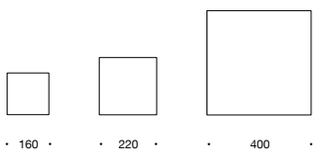
Bollards Page 276



Wall luminaires Page 146







Light building elements · **Unshielded** light

	LED		PSU	Connection box	A	B	C	D	AC/DC	Anchorage unit	Screw-on base
84 875	51.0 W	6040 lm	DALI	71 084	160 × 160	1250	4000	800	✔	**71 136**	**70 819**
84 876	60.7 W	7210 lm	DALI	71 084	220 × 220	1350	5000	800	✔	**71 137**	**70 829**
99 877	96.0 W	10 020 lm	DALI	71 084	400 × 400	1350	5000	1200	✔	**71 138**	—



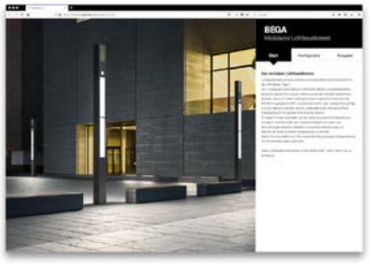
Modular light building elements
On one side or on two sides

Light building elements are illuminating components that give structure to public spaces such as pedestrian zones, public squares in inner-city areas and anywhere else illuminating design elements are required. It is precisely in these places that additional functions, such as publicly accessible WiFi, additional floodlights or speakers, are now in demand and almost expected. BEGA light building elements are perfect for installing the necessary technology.
We have developed a new modular light building element for these requirements.
In addition to the lighting functions, the concept makes it possible to fulfil other technical requirements in public spaces in one installation.
Use the configurator on our website to design a light building element according to your requirements.
These light building elements are available in three heights, 4500 · 5000 · 5500 mm.

The following functions can be integrated:
- Unshielded lighting modules in the lengths 250 · 500 · 1000 · 1500 mm
- WiFi module with aerial unit
- Adjustable floodlight for illuminating architectural details
- Camera module
- Loudspeaker module
- Lighting modules with different light characteristics

Protection class IP 65 · BEGA Thermal Management®
Cast aluminium, aluminium and stainless steel · Safety glass
BEGA Ultimate Driver®

The technical data for the modular light building element and its individual modules can be found in the configurator on our website.



Configurator

Plan how you will combine these light building elements using the configurator on our website (https://mlbe.bega.com/).
Choose one of the three height options and simply combine the light building element with the desired modules to suit your requirements.

Modular light building elements

84 688	Light building element height 4500 mm
84 679	Light building element height 5000 mm
84 689	Light building element height 5500 mm

Modules · Short description



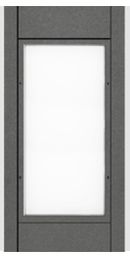
WiFi module with aerial unit
The WiFi module for publicly accessibly WiFi is installed together with an aerial unit.
The planning and commissioning service is provided by our telecommunications system partners: “The Cloud Networks Germany GmbH” and “Telekom Deutschland GmbH”.



Camera module
The camera module is designed to accommodate cameras for the identification of persons, objects and vehicles.



Adjustable floodlight module
The LED floodlight has an adjustable inclination angle and is used to illuminate architectural details, trees or plants.
Connected wattage 26.5 W · 2800 lm
Half beam angle 18°
Can be rotated 360°,
adjustable inclination angle of 0°-30°



Unshielded lighting modules
Unshielded LED lighting modules are the primary light source of a light building element.
Available lengths 250 · 500 · 1000 · 1500 mm.

Connected wattage · Luminaire luminous flux
250 mm lighting module · 6.7 W · 360 lm
500 mm lighting module · 13.6 W · 1135 lm
1000 mm lighting module · 27.0 W · 2290 lm
1500 mm lighting module · 40.0 W · 3580 lm



Loudspeaker module
We can optionally supply the sound module with an integrated non-visible flat-panel loudspeaker for connection to an external amplifier unit or with a built-in amplifier unit.



Lighting modules
Lighting modules with two different light distributions, designed primarily for installation in the lower part of the light building element.
They are also suitable for marking danger points or illuminating paths.

WiFi module
with aerial unit

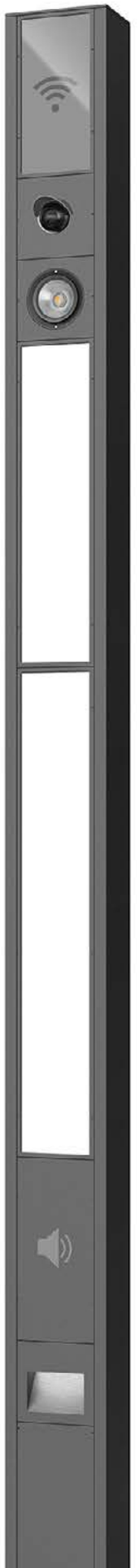
Camera module

Adjustable floodlight module

Unshielded lighting modules

Loudspeaker module

Lighting modules with
different light distributions





Profile poles for installing
up to eight BEGA performance floodlights

BEGA profile poles provide the perfect solution for a wide range of lighting applications with directed light from a single location with up to eight floodlights.

Two BEGA performance floodlights fit into each profile groove on the pole.
Up to eight floodlights with different outputs and half beam angles can therefore be arranged for the desired illumination.

The poles are available with either cylindrical or square cross-sections in heights of 4000 and 6000 millimetres.
The poles can either be installed by means of an anchorage unit or a screw-on base. Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

We manufacture profile poles with laminated wood from finger-jointed pine slats.
Their static characteristic values and strength classes comply with the requirements of DIN EN 14 080. The use of high-quality aluminium at the base of the pole means the wood has no direct contact with the ground. The BEGA Coating Technology® used on the aluminium parts also ensures maximum protection in this critical area.

BEGA light building elements from this series are secured in the ground by means of an anchorage unit or bolted onto a foundation provided by the customer by means of a screw-on base. Please order anchorage units and screw-on bases separately as accessories. Additional information on BEGA anchorage units and screw-on bases can be found on Page 582.

Diffuser lenses for changing the light distribution, shields and louvres are available as accessories for the floodlights on this Page.
These can be used individually or in combination. Please order accessories separately.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	395 to 3910 lm
Connected wattage	10.2 to 41.0 W
Protection class	IP 65

Cast aluminium, aluminium and stainless steel
Safety glass
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Hybrid Optics®

on/off or
DALI-controllable power supply units

BEGA Thermal Management®

Focussed light distribution with reduced diffuse light percentage, symmetrical very wide beam or symmetrical very wide beam light distribution

LED colour temperature
3000 K – article number + **K3**
4000 K – article number + **K4**

Luminaire colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

20-year availability guarantee for LED modules

Light distribution

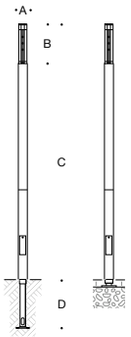


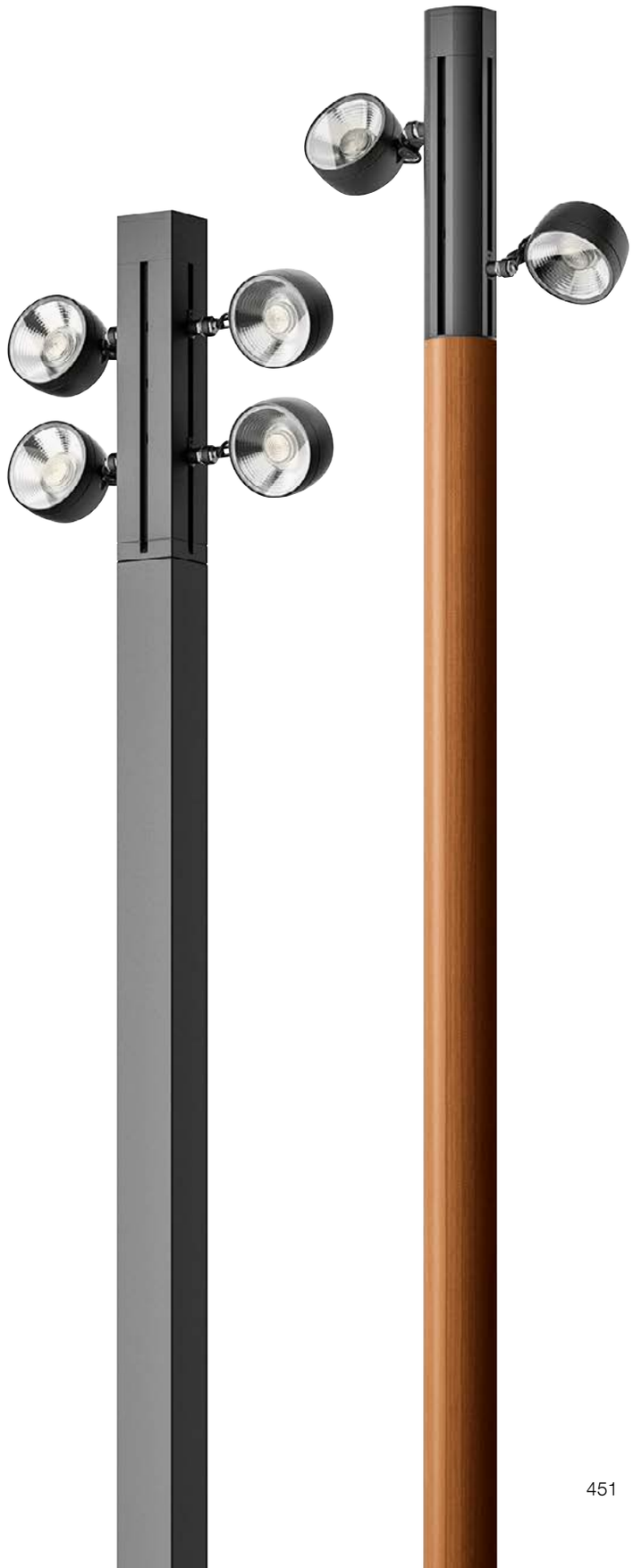
Profile pole technical data

Aluminium or
Aluminium and laminated wood in accordance with DIN EN 14 080
Laminated wood made from finger-jointed pine slats

With a four-sided profile groove for mounting of up to eight floodlights

Aluminium part colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**





Aluminium profile poles

		Connection box		A	B	C	D	Anchorage unit	Screw-on base
84 702	Cylindrical	71 084	Ø	135	620	4000	1140	**71 207**	**71 199**
84 703	Cylindrical	71 084	Ø	135	620	6000	1140	**71 207**	**71 199**
84 700	Square	71 084	120 x	120	620	4000	1140	**71 207**	**71 199**
84 701	Square	71 084	120 x	120	620	6000	1140	**71 207**	**71 199**

Aluminium profile poles with **laminated wood**

		Connection box		A	B	C	D	Anchorage unit	Screw-on base
84 698	Cylindrical	71 084	Ø	135	590	4000	1140	**71 207**	**71 199**
84 699	Cylindrical	71 084	Ø	135	590	6000	1140	**71 207**	**71 199**
84 696	Square	71 084	120 x	120	590	4000	1140	**71 207**	**71 199**
84 697	Square	71 084	120 x	120	590	6000	1140	**71 207**	**71 199**



Performance floodlights suitable for mounting on profile poles

Focused	LED		PSU	β	A	B	C	AC/DC
84 660	10.2 W	395 lm	on/off	5°	145	225	120	✔
84 661	20.3 W	1245 lm	DALI	8°	145	225	100	✔
84 692	16.4 W	495 lm	DALI	5°	175	255	125	✔
84 693	41.0 W	2115 lm	DALI	10°	175	255	100	✔
Wide beam								
84 662	19.0 W	1935 lm	DALI	18°	145	225	100	✔
84 694	40.0 W	3885 lm	DALI	24°	175	255	100	✔
Very wide beam								
84 663	19.0 W	1940 lm	DALI	46°	145	225	100	✔
84 695	40.0 W	3910 lm	DALI	64°	175	255	100	✔

Accessories

—	—	Integrated
71 120	**71 118**	Integrated
—	—	Integrated
71 113	**71 111**	Integrated
71 120	**71 118**	**71 119**
71 113	**71 111**	**71 112**
71 120	**71 118**	—
71 113	**71 111**	—

β = Half beam angle · Diffuser lens · Flat beam · Shield · Louvres



BEGA system light building elements · Overview

Light building elements are illuminating design elements that give structure to public spaces. The new BEGA system light building elements enable different light building element heads to be combined with light building element tubes in different materials and with integrated floodlights.

In addition to purely functional lighting, a choice of one or two integrated floodlights means that trees, advertising spaces and building details can also be illuminated.
For the light building element tubes, you can choose between tubes made of painted aluminium or laminated wood and aluminium. Both versions are available with either an anchorage unit or a base plate.

To plan your lighting system, first select a light building element head with your desired light distribution. When choosing a light building element, you select the material, any additional floodlights and the design of the base.

	BEGA light building element heads for system light building elements								
	Catalogue page		454			456			458	458
	Light distribution		Unshielded			Symmetrical / asymmetrical flat beam			Unshielded	Symmetrical / asymmetrical flat beam
	BEGA light building element tubes for system light building elements Ø in mm		Ø 140	Ø 170	Ø 220	Ø 140	Ø 170	Ø 220	Ø 140	Ø 140
A	**Without components · Aluminium** Light building element tubes without any additional components form the basic tubes of the system light building elements.		•	•	•	•	•	•	•	•
A	**Without components · Laminated wood + aluminium** Light building element tubes without any additional components form the basic tubes of the system light building elements.		•	•	•	•	•	•	•	•
B	**With one floodlight · BEGA Hybrid Optics®** Light building element tubes made of aluminium with a built-in floodlight. The floodlight has an adjustable inclination angle of ± 30°, can be rotated through 360° and adds an additional function to a system light building element that enables it to illuminate architectural details, trees or information signs, for example. LED colour temperature 3000 K or 4000 K			•	•		•	•		
C	**With two floodlights · BEGA Hybrid Optics®** Light building element tubes made of aluminium with two built-in floodlights. Every floodlight has an adjustable inclination angle of ± 30°, can be rotated through 360° and adds an additional function to a system light building element that enables it to illuminate architectural details, trees or information signs, for example. LED colour temperature 3000 K or 4000 K			•	•		•	•		

BEGA light building element tubes for system light building elements

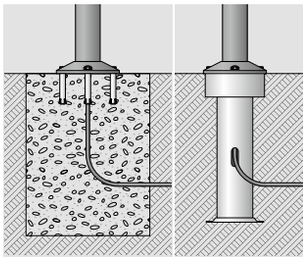
On this page, you will find all the light building element tubes for the system light building elements listed on Pages 454 to 461.
A brief description on Page 452 gives you a compact overview of the light building element tubes and their functions. A detailed technical lighting description can be found in the data sheets and instructions for use on our website.

Our light building element tubes are optionally available with either a base plate or an anchorage section.

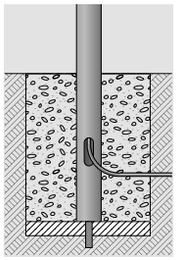
- **Light building element tubes with a base plate** are bolted directly onto an on-site foundation or onto an anchorage unit made of hot-dip galvanised steel.
  For installation on a foundation provided by the customer, general fasteners must also be provided by the customer.
  Anchorage units are accessories and must be ordered separately. Additional information can be found on Page 583.
- **Light building element tubes with an anchorage section** are installed directly in the soil. Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

Simply order the luminaire head and your preferred light building element tube to go with it. The two modules can be quickly and easily connected to one another during installation.

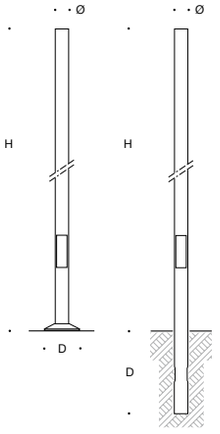
Light building element tube · BEGA Unidure®
Graphite – article number
Silver – article number + **A**



Light building element tubes with base plate



Light building element tubes with anchorage section



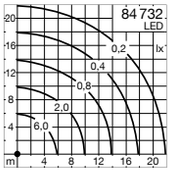
		Light building element tubes for system light building elements			Connection box	H	D	Anch. unit
Ø 140	**A**	**84 709**	With base plate	Aluminium without components	71 084	3500	340	**70 899**
		84 708	With anchorage section	Aluminium without components	71 084	3500	800	—
		84 711	With base plate	Laminated wood + aluminium without components	71 084	3500	340	**70 899**
		84 710	With anchorage section	Laminated wood + aluminium without components	71 084	3500	800	—

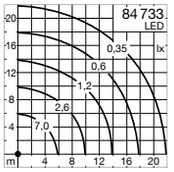
		Light building element tubes for system light building elements			Connection box	H	D	Anch. unit	Accessories	
Ø 170	**A**	**84 713**	With base plate	Aluminium without components	71 084	3900	340	**70 899**	—	—
		84 712	With anchorage section	Aluminium without components	71 084	3900	800	—	—	—
		84 719	With base plate	Laminated wood + aluminium without components	71 084	3900	340	**70 899**	—	—
		84 718	With anchorage section	Laminated wood + aluminium without components	71 084	3900	800	—	—	—
	B	**84 715**	With base plate	Aluminium with one floodlight 13.5 W · 1400 lm · β = 24°	71 084	3900	340	**70 899**	**71 120**	**71 119**
		84 714	With anchorage section	Aluminium with one floodlight 13.5 W · 1400 lm · β = 24°	71 084	3900	800	—	**71 120**	**71 119**
	C	**84 717**	With base plate	Aluminium with two floodlights je 13.5 W · 1400 lm · β = 24°	71 084	3900	340	**70 899**	**71 120**	**71 119**
		84 716	With anchorage section	Aluminium with two floodlights je 13.5 W · 1400 lm · β = 24°	71 084	3900	800	—	**71 120**	**71 119**

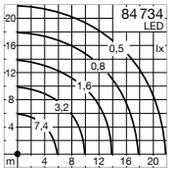
		Light building element tubes for system light building elements			Connection box	H	D	Anch. unit	Accessories	
Ø 220	**A**	**84 721**	With base plate	Aluminium without components	71 084	4300	420	**71 219**	—	—
		84 720	With anchorage section	Aluminium without components	71 084	4300	1000	—	—	—
		84 731	With base plate	Laminated wood + aluminium without components	71 084	4300	420	**71 219**	—	—
		84 730	With anchorage section	Laminated wood + aluminium without components	71 084	4300	1000	—	—	—
	B	**84 723**	With base plate	Aluminium with one floodlight 23.2 W · 2500 lm · β = 18°	71 084	4300	420	**71 219**	**71 113**	**71 112**
		84 722	With anchorage section	Aluminium with one floodlight 23.2 W · 2500 lm · β = 18°	71 084	4300	1000	—	**71 113**	**71 112**
	C	**84 725**	With base plate	Aluminium with two floodlights je 23.2 W · 5000 lm · β = 18°	71 084	4300	420	**71 219**	**71 113**	**71 112**
		84 724	With anchorage section	Aluminium with two floodlights je 23.2 W · 5000 lm · β = 18°	71 084	4300	1000	—	**71 113**	**71 112**

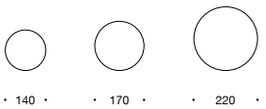
β = Half beam angle Diffuser lens · Flat beam Louvres











BEGA system light building elements
Unshielded light

BEGA system light building elements are a modular luminaire range – illuminating design elements for public spaces. They are ideal for dividing and structuring outdoor spaces, as well as guiding pedestrians and vehicles. Their attention-drawing power is considerably greater than that of pole-top luminaires. Light building elements can be used to serve the architectural structure or to highlight it spectacularly.

We can also supply these luminaires in safety class II as custom-made products. Luminaires for the illumination of squares, access roads, car parks and traffic-calmed zones.

Simply order the light building element head and your preferred light building element tube to go with it.
The two modules can be quickly and easily connected to one another during installation.

The matching light building element tubes for this light building element head can be found at the top of the next Page. Additional information on all light building element tubes can be found on Page 453.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	6030 to 11 610 lm
Connected wattage	37.0 to 73.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Synthetic cylinder translucent white	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

Matching light building element tubes Page 453



Aluminium without components



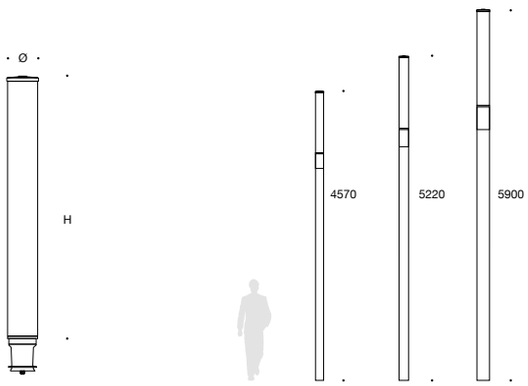
Laminated wood + aluminium without components



Aluminium with LED floodlight



Aluminium with two LED floodlights

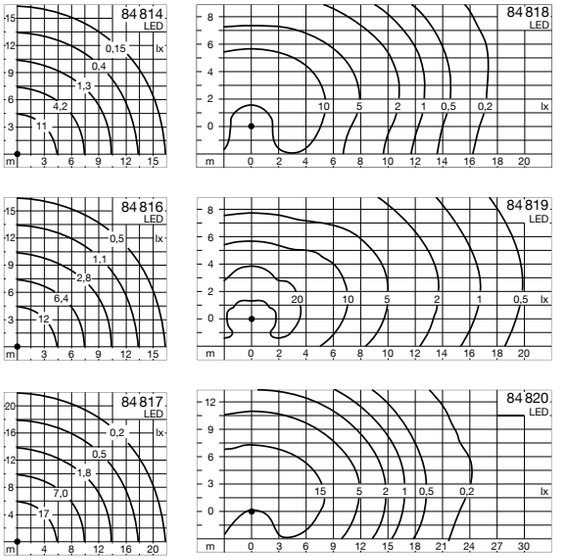


Light building element heads · **Unshielded** light

	LED		PSU	Ø	H	AC/DC
84 732	37.0 W	6030 lm	DALI	140	1070	✔
84 733	49.0 W	7880 lm	DALI	170	1320	✔
84 734	73.5 W	11 610 lm	DALI	220	1590	✔







BEGA system light building elements
Symmetrical or asymmetrical flat beam light distribution

BEGA system light building elements are a modular luminaire range.

These are optionally available with symmetrical or asymmetrical flat beam light distribution and with different mounting heights. Luminaires for a wide range of applications in public spaces.
Depending on the light distribution, they are suitable, for example, for illuminating squares, access roads, car parks and traffic-calmed zones.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Simply order the light building element head and your preferred light building element tube to go with it.
The two modules can be quickly and easily connected to one another during installation.

The matching light building element tubes for this light building element head can be found at the top of the next Page. Additional information on all light building element tubes can be found on Page 453.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2360 to 6460 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	22.5 to 52.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cylinder, clear Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

Matching light building element tubes Page 453



Aluminium
Without components



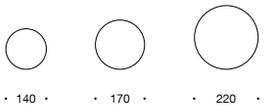
Laminated
wood + aluminium
Without components

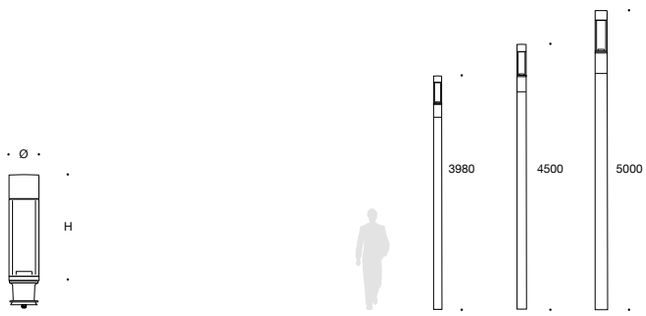


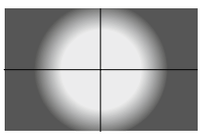
Aluminium with
LED floodlights



Aluminium with
two LED floodlights

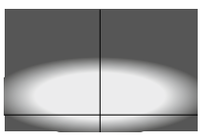






Light building element heads · **Symmetrical** light distribution

	LED		PSU	Ø	H	AC/DC
84 814	22.5 W	2440 lm	DALI	140	480	✔
84 816	33.0 W	3770 lm	DALI	170	600	✔
84 817	52.0 W	6460 lm	DALI	220	700	✔

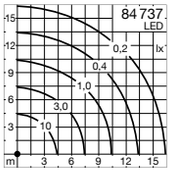


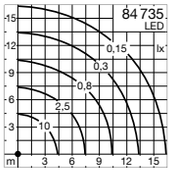
Light building element heads · **Asymmetrical flat beam** light distribution

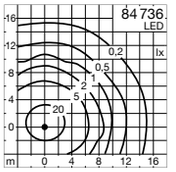
	LED		PSU	Ø	H	AC/DC
84 818	22.5 W	2360 lm	DALI	140	480	✔
84 819	33.0 W	3740 lm	DALI	170	600	✔
84 820	52.0 W	6395 lm	DALI	220	700	✔











BEGA system light building elements
Unshielded light · Symmetrical or asymmetrical flat beam light distribution

BEGA system light building elements are a modular luminaire range.

Luminaires with translucent white synthetic cover create an unshielded, symmetrical light distribution with pleasant visual comfort.
With a clear synthetic cover, they are optionally available with symmetrical or asymmetrical flat beam light distribution and a high degree of illuminance.
Luminaires for a wide range of applications in public spaces.
Depending on the light distribution, they are suitable, for example, for illuminating squares, access roads, car parks and traffic-calmed zones.

Simply order the light building element head and your preferred light building element tube to go with it.
The two modules can be quickly and easily connected to one another during installation.

The matching light building element tubes for this light building element head can be found at the top of the next page.
Additional information on all light building element tubes can be found on Page 453.

Power reduction accessories for luminaires with DALI interface and technical data for connection boxes can be found on Page 584.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2590 to 2705 lm
Connected wattage	25.8 W
Protection class	IP 65
Safety class	II
Cast aluminium, aluminium and stainless steel Synthetic cover, translucent white or clear 84 735 · 84 736 Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

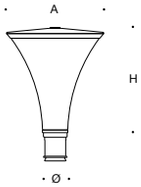
Matching light building element tubes Page 453

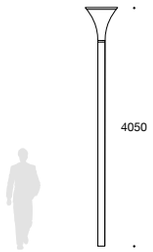


Aluminium
Without components



Laminated
wood + aluminium
Without components







Light building element heads · **Translucent white** · **Unshielded** light

	LED		PSU	Ø	A	H	AC/DC
84 737	25.8 W	2705 lm	DALI	140	510	550	✔



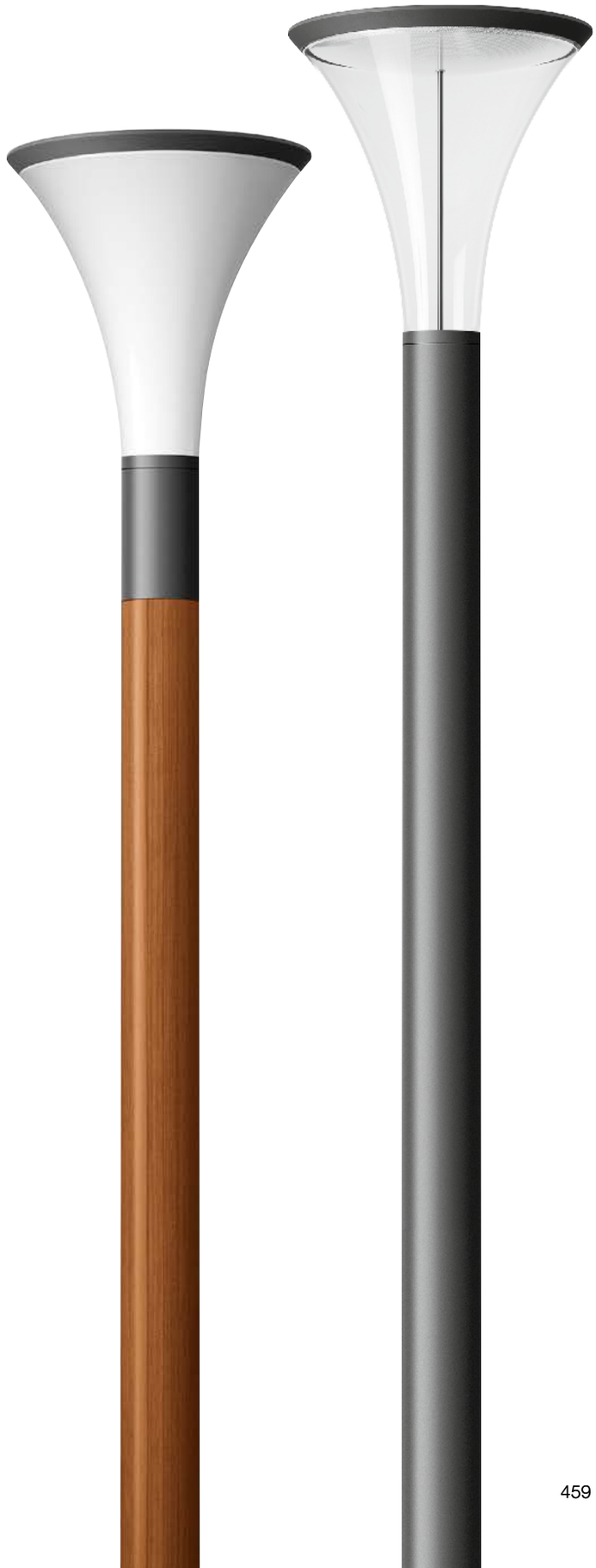
Light building element heads · **Clear** · **Symmetrical** light distribution

	LED		PSU	Ø	A	H	AC/DC
84 735	25.8 W	2610 lm	DALI	140	510	550	✔

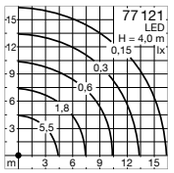


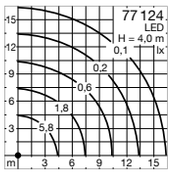
Light building element heads · **Clear** · **Asymmetrical flat beam** light distribution

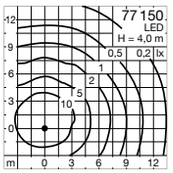
	LED		PSU	Ø	A	H	AC/DC
84 736	25.8 W	2590 lm	DALI	140	510	550	✔

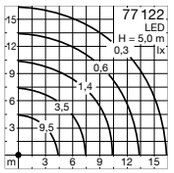


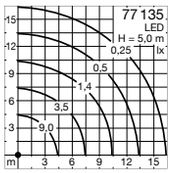


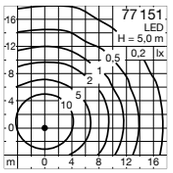












Pole-top luminaires
Unshielded light, symmetrical or asymmetrical flat beam light distribution

Economical pole-top luminaires with different dimensions, outputs and light distributions:

- Luminaires with a translucent white synthetic cover are unshielded and characterised by symmetrical and uniformly soft light distribution.
- Luminaires with a clear synthetic cover are optionally available with either symmetrical or asymmetrical flat beam light distribution.

A luminaire group that is suitable, for example, for the energy-efficient illumination of paths, service roads, car parks and traffic-calmed zones.

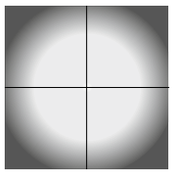
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

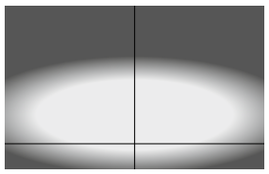
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

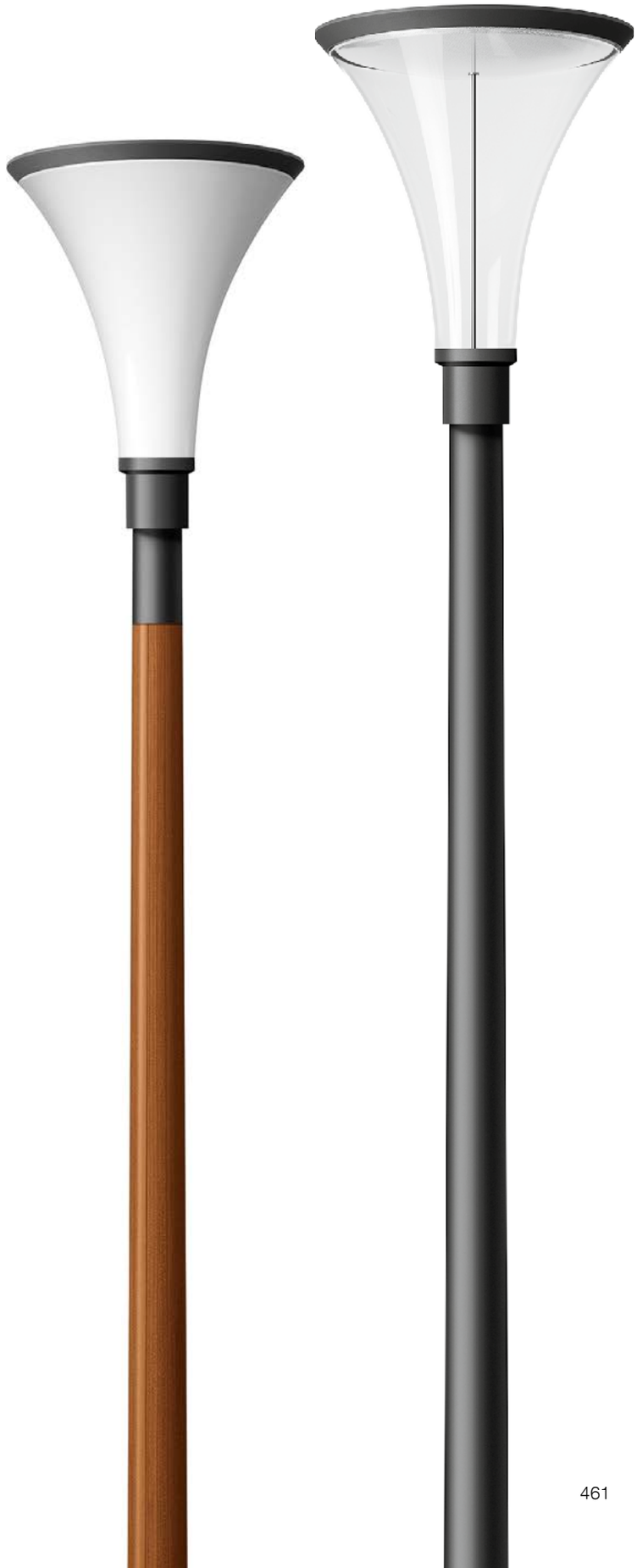
Luminaire luminous flux	1585 to 2705 lm
Connected wattage	18.0 · 25.8 W
Protection class	IP 65
Safety class	II
Cast aluminium, aluminium and stainless steel	
Synthetic cover translucent white or clear with reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Unshielded light, symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

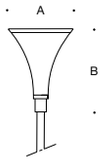


Symmetrical



Asymmetrical flat beam





Unshielded light · **Translucent white**

	LED		PSU	A	B	AC/DC
77 121	18.0 W	1700 lm	DALI	390	490	✔
77 122	25.8 W	2705 lm	DALI	510	665	✔

Luminaire poles

Pole heights	Top	Groups
3500 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 73

Symmetrical light distribution · **Clear**

	LED		PSU	A	B	AC/DC
77 124	18.0 W	1590 lm	DALI	390	490	✔
77 135	25.8 W	2610 lm	DALI	510	665	✔

Luminaire poles

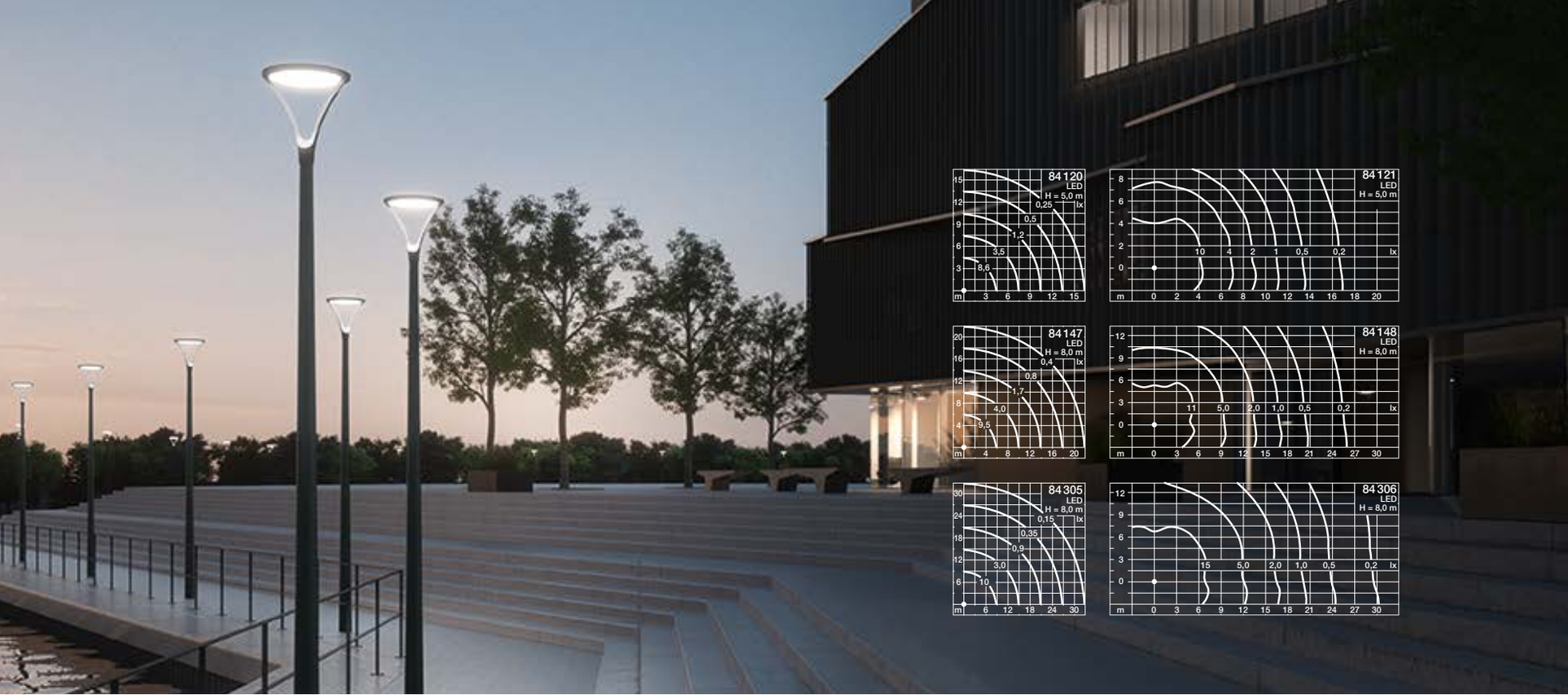
Pole heights	Top	Groups
3500 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 73

Asymmetrical flat beam light distribution · **Clear**

	LED		PSU	A	B	AC/DC
77 150	18.0 W	1585 lm	DALI	390	490	✔
77 151	25.8 W	2590 lm	DALI	510	665	✔

Luminaire poles

Pole heights	Top	Groups
3500 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 73



Pole-top luminaires
Symmetrical or asymmetrical flat beam light distribution

Economical pole-top luminaires with different dimensions, outputs and light distributions, optionally available with:

- **symmetrical** or
- **asymmetrical flat beam** light distribution

The luminaires boast high operating efficiency and a contemporary flat design. A luminaire concept whose light distribution, uniformity of light and energy efficiency are ideal for the illumination of residential streets, parking spaces and traffic-calmed areas.
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

On request, we can also supply these luminaires with synthetic covers with an IK 10 impact protection rating.
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

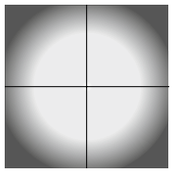
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

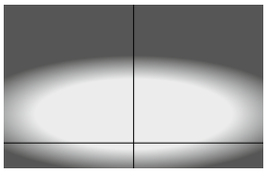
Luminaire data

Luminaire luminous flux	2490 to 8940 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	25.8 to 112.0 W
Protection class	IP 65
Safety class	II
Cast aluminium, aluminium and stainless steel	
Synthetic cover with optical texture	
Reflector made of pure anodised aluminium	
DALI-controllable power supply units	
BEGA Thermal Management®	
Symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

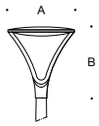




Symmetrical



Asymmetrical flat beam



Symmetrical light distribution

	LED		PSU	A	B	AC/DC
84 120	25.8 W	2670 lm	DALI	525	560	✔
84 147	51.6 W	5100 lm	DALI	750	820	✔
84 305	112.0 W	8940 lm	DALI	750	820	✔

Luminaire poles

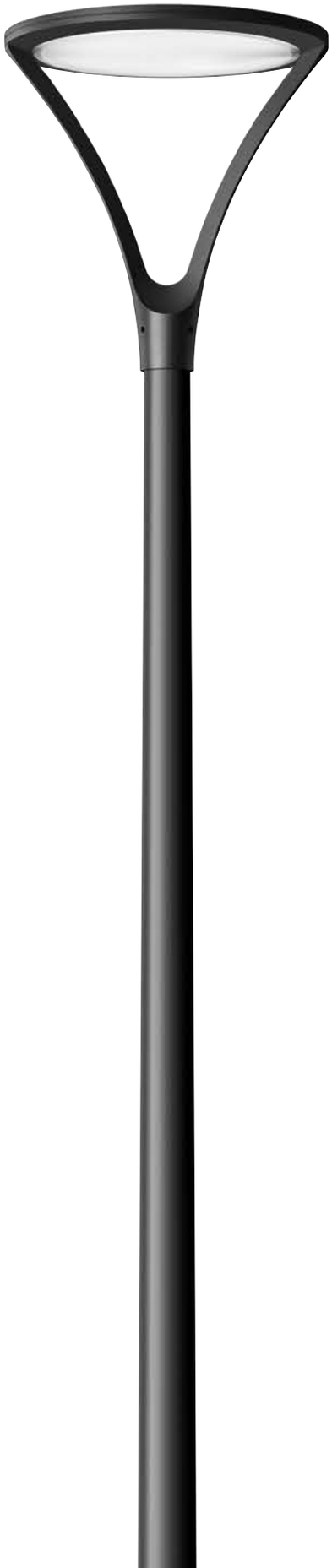
Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 72 · 17 · 33 · 13
5000 - 9000	Ø 76	34 · 14 · 72 · 17
5000 - 9000	Ø 76	34 · 14 · 72 · 17

Asymmetrical flat beam light distribution

	LED		PSU	A	B	AC/DC
84 121	25.8 W	2490 lm	DALI	525	560	✔
84 148	51.6 W	4930 lm	DALI	750	820	✔
84 306	112.0 W	8270 lm	DALI	750	820	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 72 · 17 · 33 · 13
5000 - 9000	Ø 76	34 · 14 · 72 · 17
5000 - 9000	Ø 76	34 · 14 · 72 · 17





Pole-top luminaires
Symmetrical light distribution

The two pole-top luminaires with symmetrical light distribution will convince you thanks to their high level of operating efficiency and their modern flat appearance. A luminaire concept whose light distribution, uniformity of light and energy efficiency are ideal for the illumination of residential streets, parking spaces and traffic-calmed areas.
We can supply these luminaires in safety class II as custom-made products.

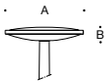
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1810 to 2870 lm
Connected wattage	19.0 · 27.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Synthetic cover with white light-diffusing matt finish	
DALI-controllable power supply units	
BEGA Thermal Management®	
Symmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

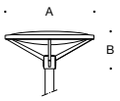


Symmetrical light distribution

	LED		PSU	A	B	AC/DC
88 100	19.0 W	1910 lm	DALI	615	130	✔
88 164	27.5 W	2870 lm	DALI	615	130	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13



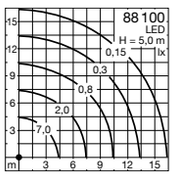
Symmetrical light distribution

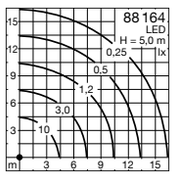
	LED		PSU	A	B	AC/DC
88 260	19.0 W	1810 lm	DALI	700	320	✔
88 263	27.5 W	2700 lm	DALI	700	320	✔

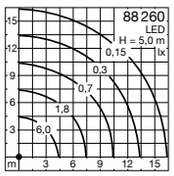
Luminaire poles

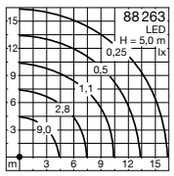
Pole heights	Top	Groups
4000 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13

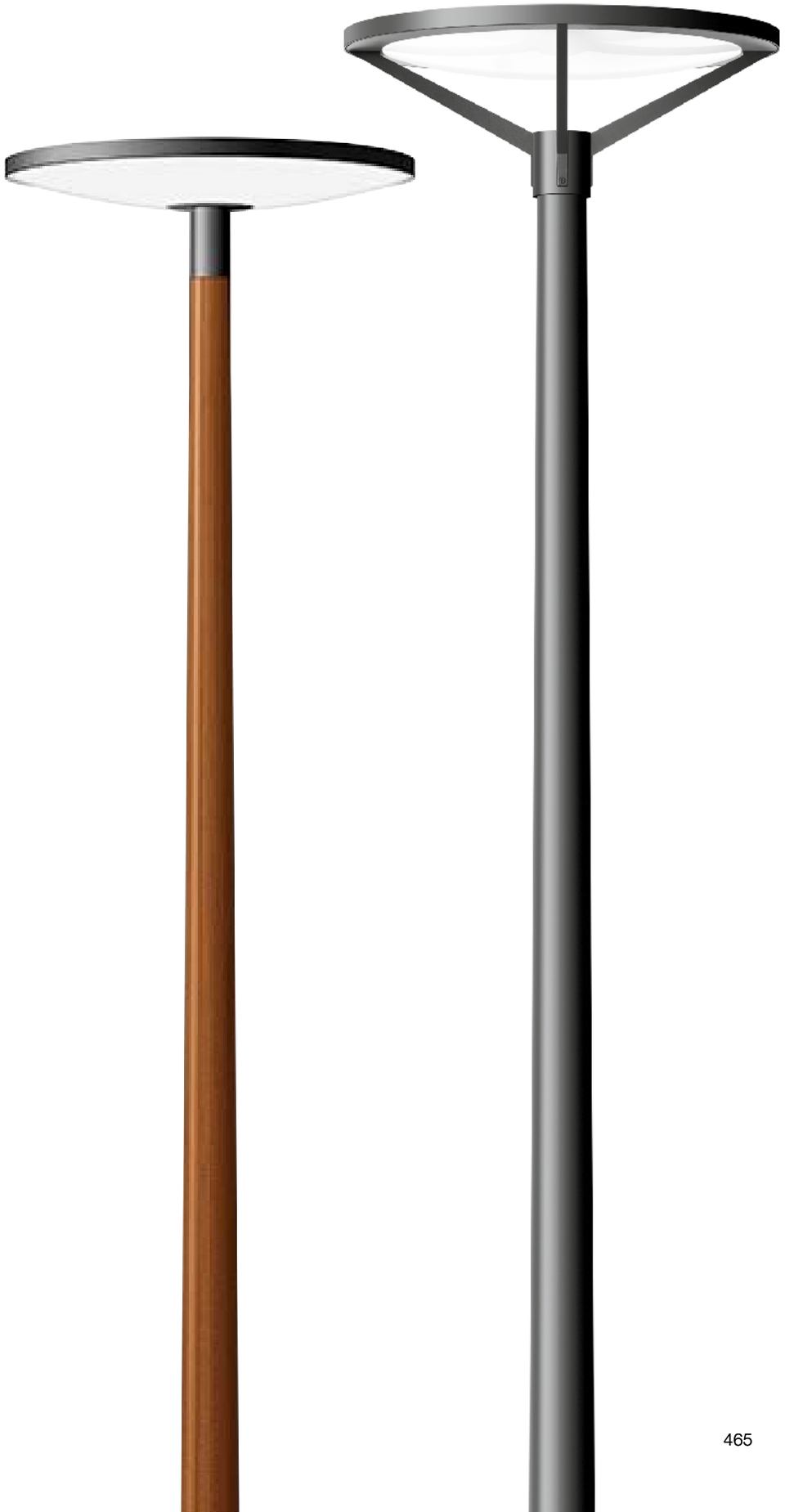



88 100
LED
H = 5,0 m
0,15 lx
0,3
0,8
2,0
7,0
15
12
9
6
3
m
3 6 9 12 15


88 164
LED
H = 5,0 m
0,25 lx
0,5
1,2
3,0
10
15
12
9
6
3
m
3 6 9 12 15


88 260
LED
H = 5,0 m
0,15 lx
0,3
0,7
1,8
6,0
15
12
9
6
3
m
3 6 9 12 15


88 263
LED
H = 5,0 m
0,25 lx
0,5
1,1
2,8
9,0
15
12
9
6
3
m
3 6 9 12 15





Pole-top luminaires
Unshielded light, symmetrical or asymmetrical flat beam light distribution

Economical pole-top luminaires with different light distributions.

- Luminaires with a **translucent white** synthetic cover produce rotationally symmetrical unshielded light and are characterised by a high degree of uniformity. The vertical degree of illuminance also makes for pleasant visual comfort.
- Luminaires with a **clear** synthetic cover are optionally available with either symmetrical or asymmetrical flat beam light distribution.

Luminaires for a wide range of applications, such as streets, pedestrian areas, paths in parks, and traffic-calmed zones.

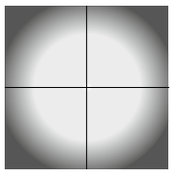
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

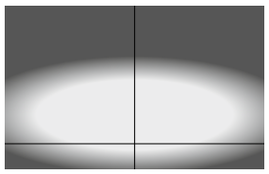
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

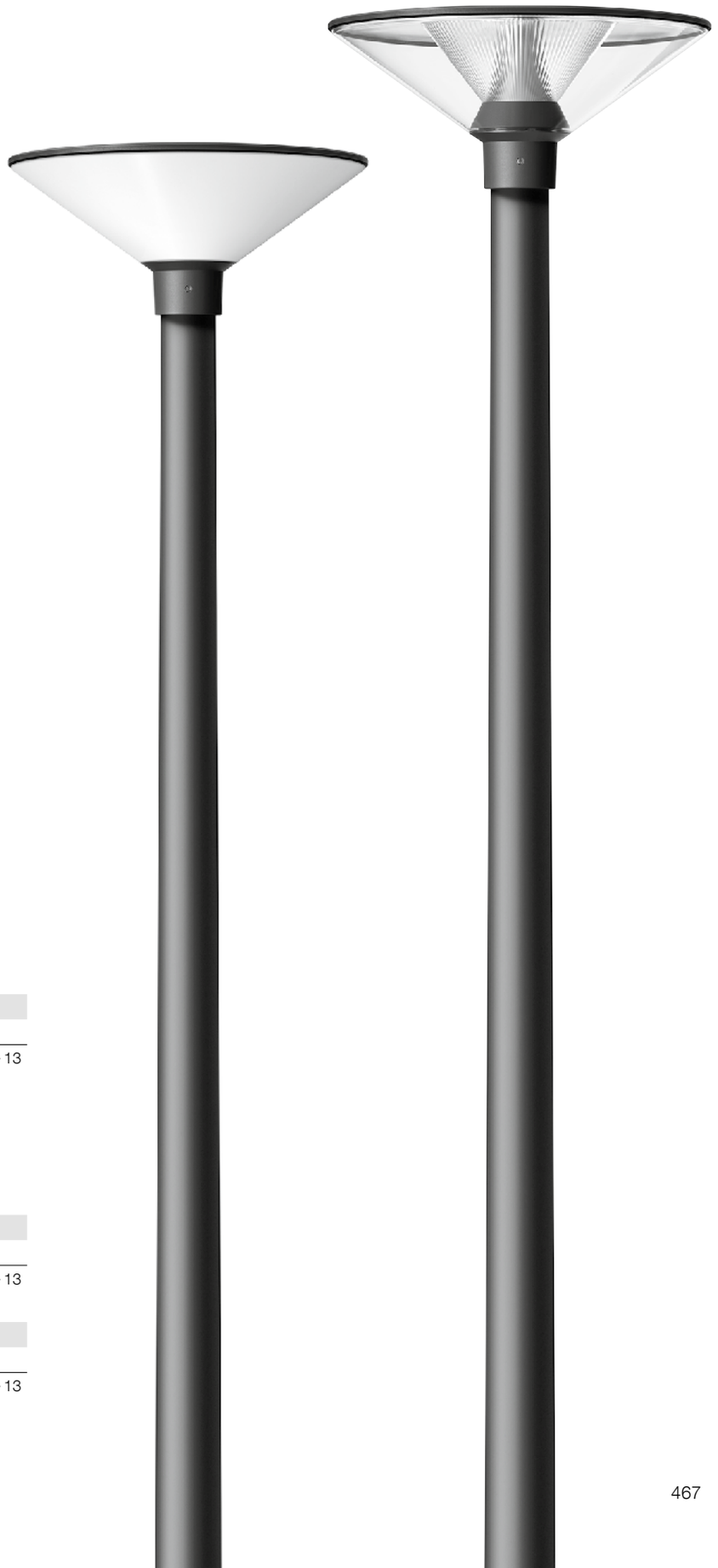
Luminaire luminous flux	2970 to 3600 lm
Connected wattage	27.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Synthetic cover translucent white or clear with reflector surface made of pure aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Unshielded light, symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

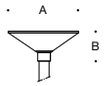


Symmetrical



Asymmetrical flat beam



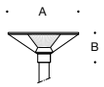


Unshielded light · **Translucent white**

	LED		PSU	A	B	AC/DC
84 483	27.0 W	2970 lm	DALI	500	230	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13



Symmetrical light distribution · **Clear**

	LED		PSU	A	B	AC/DC
84 481	27.0 W	3600 lm	DALI	500	230	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13

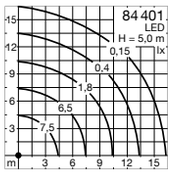
Asymmetrical flat beam light distribution · **Clear**

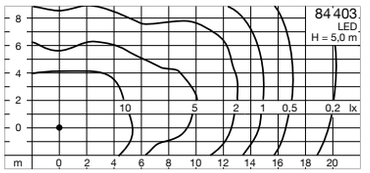
	LED		PSU	A	B	AC/DC
84 482	27.0 W	3010 lm	DALI	500	230	✔

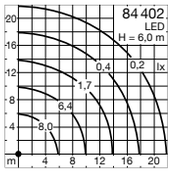
Luminaire poles

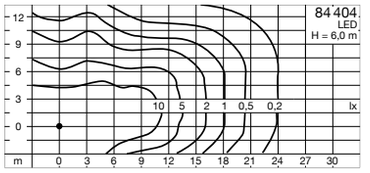
Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13











Pole-top luminaires
Symmetrical or asymmetrical flat beam light distribution

Pole-top luminaires with different outputs and light distributions, optionally available with:

- **symmetrical** or
- **asymmetrical flat beam** light distribution

Luminaires for a wide range of applications, such as streets, pedestrian areas, paths in parks, and traffic-calmed zones.
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

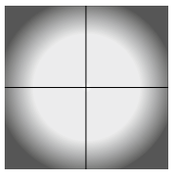
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

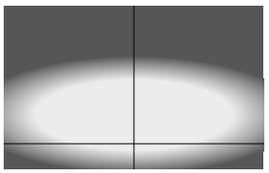
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

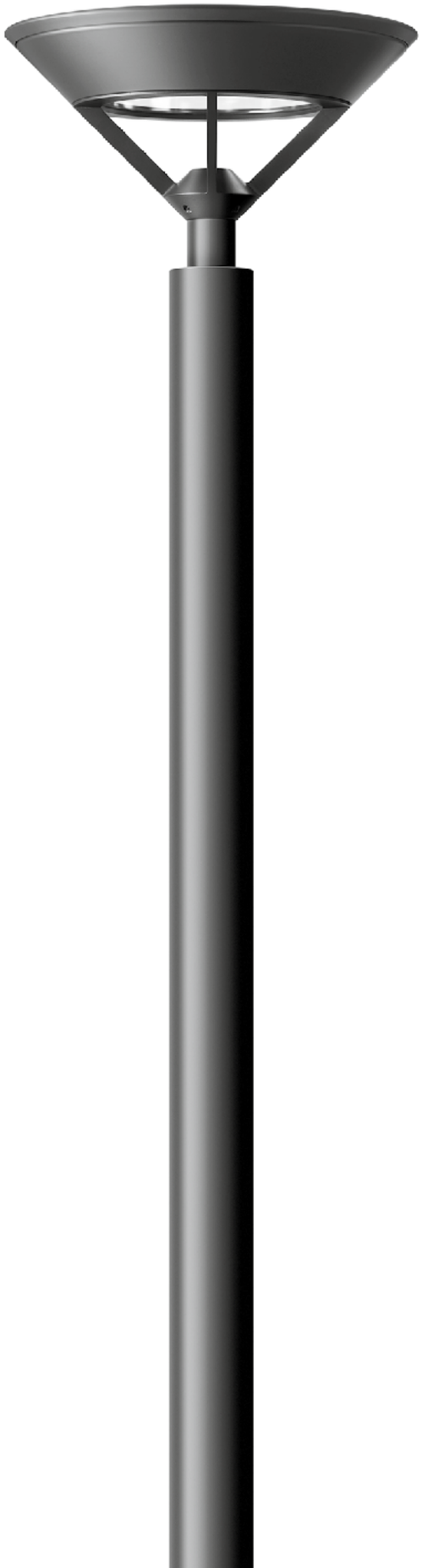
Luminaire luminous flux	2270 to 4040 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	25.4 to 57.5 W
Protection class	IP 65
Safety class	II
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

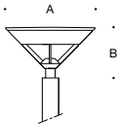


Symmetrical



Asymmetrical flat beam





Symmetrical light distribution

	LED		PSU	A	B	AC/DC
84 401	25.4 W	2270 lm	DALI	710	360	✔
84 402	52.7 W	3915 lm	DALI	710	360	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 32 · 12 · 16
4000 - 6000	Ø 76	34 · 14 · 17 · 32 · 12 · 16

Asymmetrical flat beam light distribution

	LED		PSU	A	B	AC/DC
84 403	25.8 W	2605 lm	DALI	710	360	✔
84 404	57.5 W	4040 lm	DALI	710	360	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 32 · 12 · 16
4000 - 6000	Ø 76	34 · 14 · 17 · 32 · 12 · 16



Pole-top luminaires
Symmetrical light distribution

Pole-top luminaires with different light distributions:

- Luminaires with a **translucent white** synthetic cover are unshielded and characterised by symmetrical and uniformly soft light distribution.
- Luminaires with a **clear** synthetic cover and an internal lamellar reflector emit a brilliant, directed light with a symmetrical light distribution.

For illuminating paths, streets, parking spaces, driveways and traffic-calmed areas.

We can also supply these luminaires in safety class II as custom-made products.

Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

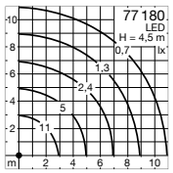
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

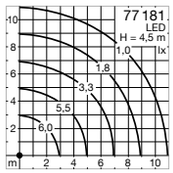
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

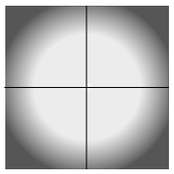
Luminaire data

Luminaire luminous flux	2125 · 2495 lm
Connected wattage	26.6 W
Protection class	IP 54
Cast aluminium, aluminium and stainless steel Synthetic cover translucent white or clear with lamellar reflector	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

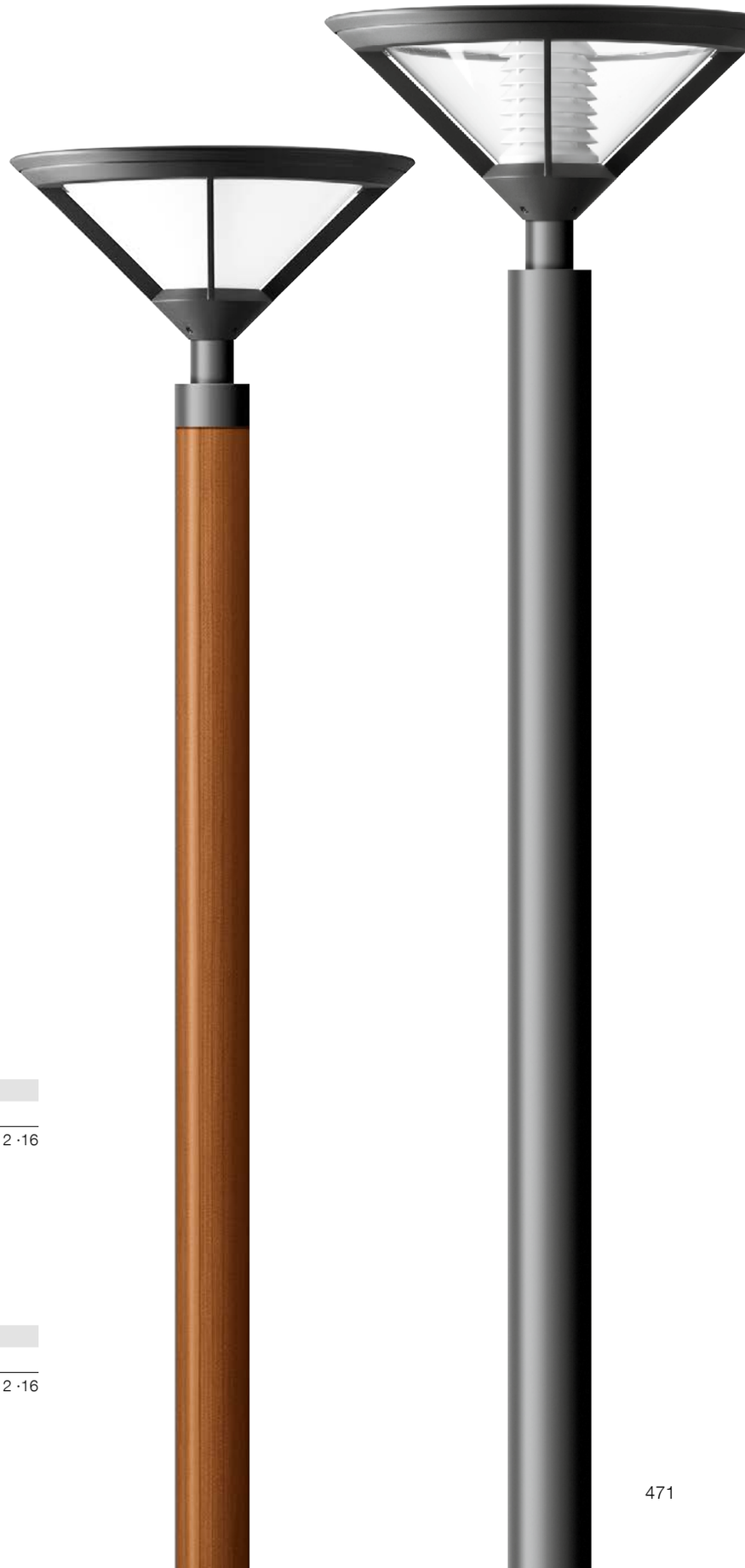


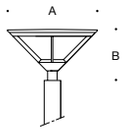






Symmetrical



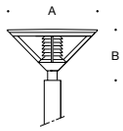


Unshielded light · **Translucent white**

	LED		PSU	A	B	AC/DC
77 180	26.6 W	2495 lm	DALI	710	360	✔

Luminaire poles

Pole heights	Top	Groups
3500 - 5000	Ø 76	34 · 14 · 17 · 32 · 12 ·16



Symmetrical light distribution · **Clear** with lamellar reflector

	LED		PSU	A	B	AC/DC
77 181	26.6 W	2125 lm	DALI	710	360	✔

Luminaire poles

Pole heights	Top	Groups
3500 - 5000	Ø 76	34 · 14 · 17 · 32 · 12 ·16



Pole-top luminaires
Adjustable light distribution

The light form the built-in performance floodlight is deflected by the top reflector. This deflection has the effect of distributing the light in an extremely soft and uniform way, effectively removing glare. The top reflector is adjustable from 0° to 30°. This means that the light distribution can be selected infinitely from 0° rotationally symmetrical to 30° asymmetrically. Luminaires for streets, open spaces and squares, for lighting scenarios in which high uniformity and low glare are required.

We can supply these luminaires in safety class II as custom-made products.

Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

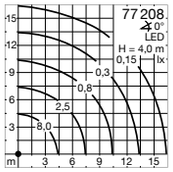
Luminaire luminous flux	3210 · 3770 lm
Connected wattage	39.7 · 46.7 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Adjustable light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Silver	
20-year availability guarantee for LED modules	

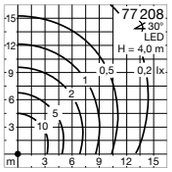


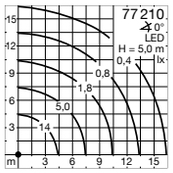
Symmetrical

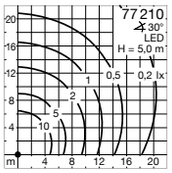


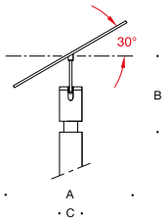
Asymmetrical











Adjustable light distribution

	LED		PSU	A	B	C	AC/DC
77 208	39.7 W	3210 lm	DALI	800	500	140	✔
77 210	46.7 W	3770 lm	DALI	1000	575	170	✔

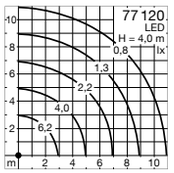
Luminaire poles

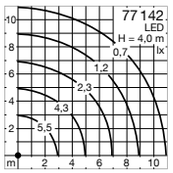
Pole heights	Top	Groups
3500 - 4000	Ø 76	32 · 12
4000 - 5000	Ø 76	32* · 12*

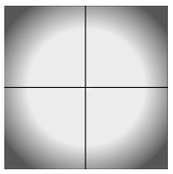
*For static reasons, only poles 70 731 and 70 734 may be used for these luminaires.











Symmetrical

Pole-top luminaires
Symmetrical light distribution

Pole-top luminaires with different light distributions:

- Luminaires with a **translucent white** synthetic cover are unshielded and characterised by symmetrical and uniformly soft light distribution.
- Luminaires with a **clear** synthetic cover and an internal lamellar reflector emit a brilliant, directed light with a symmetrical light distribution.

For illuminating paths, streets, parking spaces and traffic-calmed areas.

We can also supply these luminaires in safety class II as custom-made products.

Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

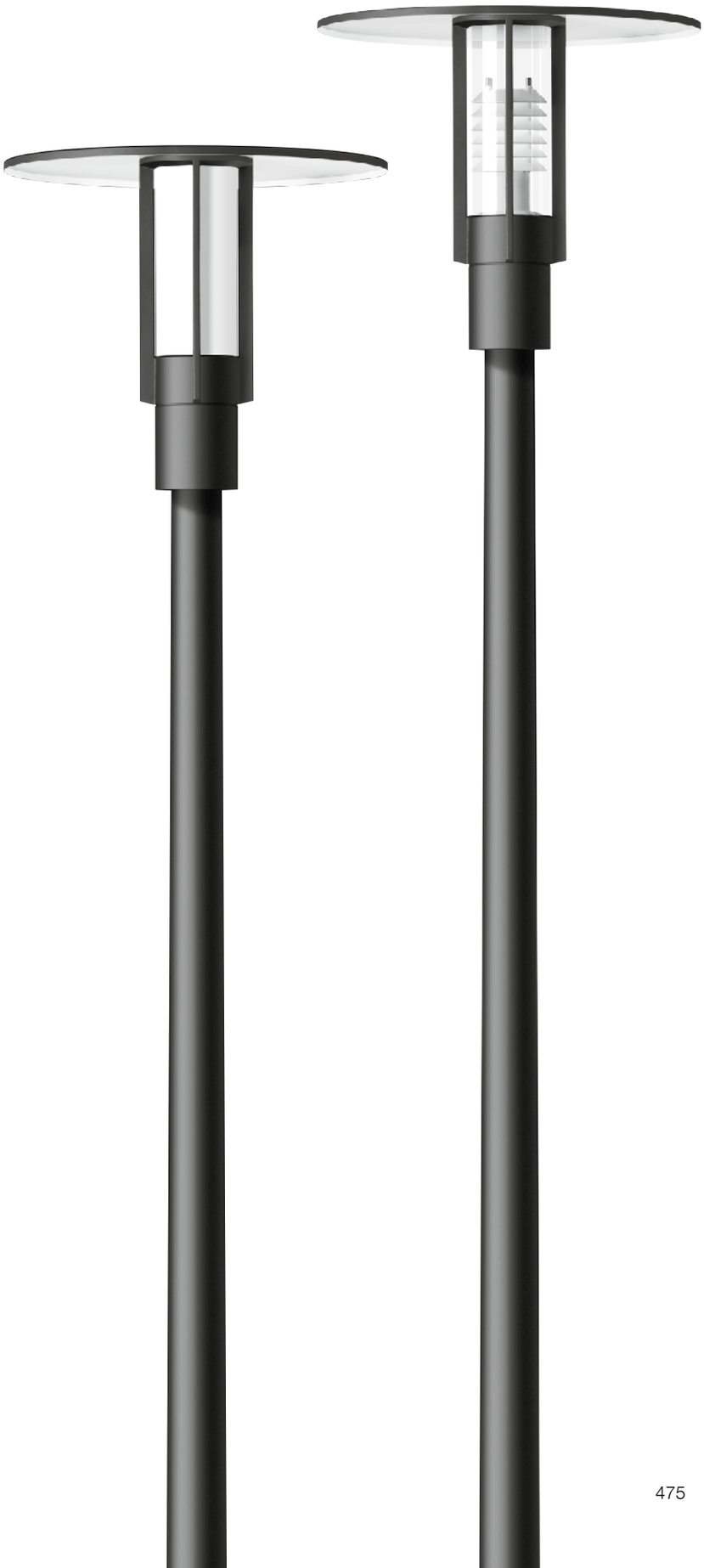
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

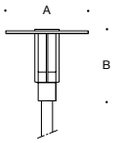
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1835 · 2875 lm
Connected wattage	25.5 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Synthetic cylinder white or clear with lamellar reflector	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





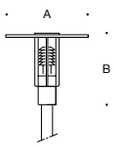


Unshielded light · **Translucent white**

	LED		PSU	A	B	AC/DC
77 120	25.5 W	2875 lm	DALI	650	600	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 73



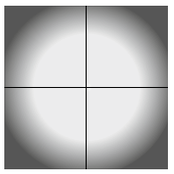
Symmetrical light distribution · **Clear** with lamellar reflector

	LED		PSU	A	B	AC/DC
77 142	25.5 W	1835 lm	DALI	650	600	✔

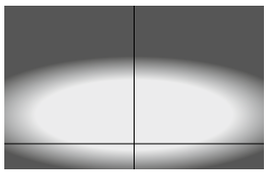
Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 73





Symmetrical



Asymmetrical flat beam

Pole-top luminaires
Symmetrical or asymmetrical flat beam light distribution

Pole-top luminaires with different dimensions, outputs and light distributions, optionally with:

- **symmetrical** or
- **asymmetrical flat beam** light distribution.

Pole-top luminaires for the energy-efficient illumination of residential streets, car parks and traffic-calmed areas.
The asymmetrical flat beam light distribution is particularly suitable for illuminating streets in accordance with EN 13201.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

We can also supply these luminaires in safety class II as custom-made products.

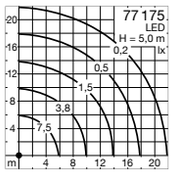
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

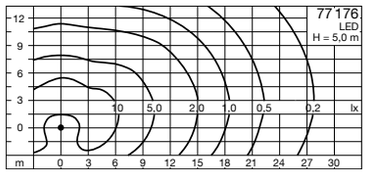
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

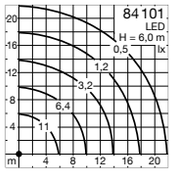
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

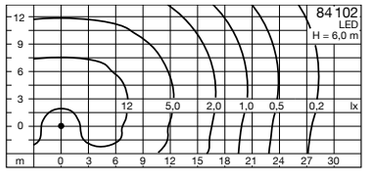
Luminaire data

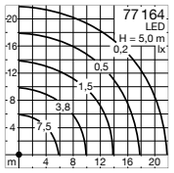
Luminaire luminous flux	3505 to 6460 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	33.0 · 52.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Synthetic cylinder, clear	
Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

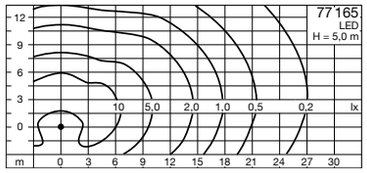


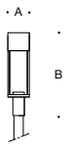












Symmetrical light distribution

	LED		PSU	A	B	AC/DC
77 175	33.0 W	3770 lm	DALI	170	660	✔
84 101	52.0 W	6460 lm	DALI	220	875	✔

Luminaire poles

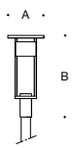
Pole heights	Top	Groups
3500 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 7000	Ø 76	34 · 14 · 17 · 72

Asymmetrical flat beam light distribution

	LED		PSU	A	B	AC/DC
77 176	33.0 W	3740 lm	DALI	170	660	✔
84 102	52.0 W	6395 lm	DALI	220	875	✔

Luminaire poles

Pole heights	Top	Groups
3500 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 7000	Ø 76	34 · 14 · 17 · 72



Symmetrical light distribution

	LED		PSU	A	B	AC/DC
77 164	33.0 W	3535 lm	DALI	260	660	✔

Luminaire poles

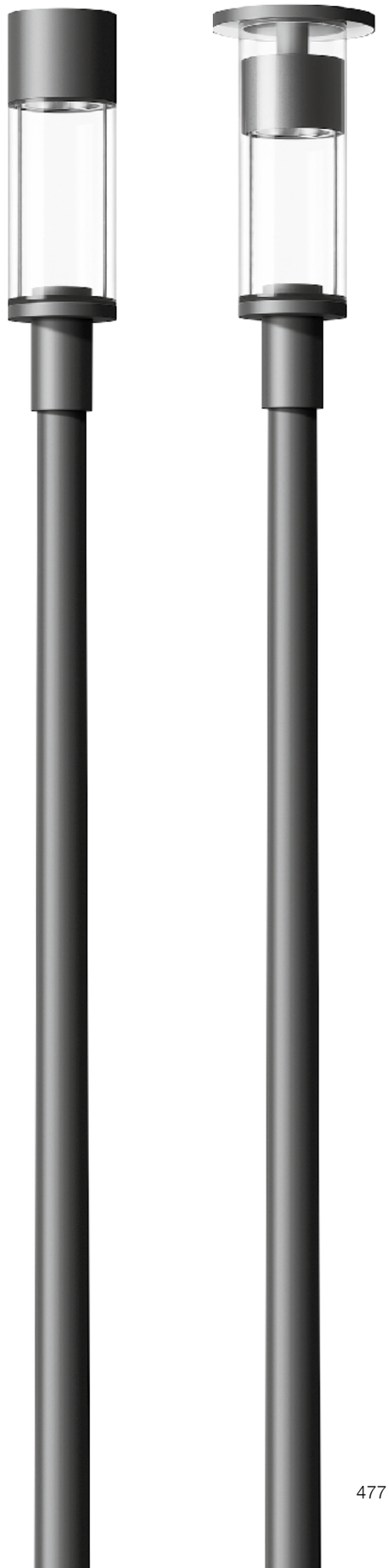
Pole heights	Top	Groups
3500 - 6000	Ø 76	34 · 14 · 17 · 33 · 13

Asymmetrical flat beam light distribution

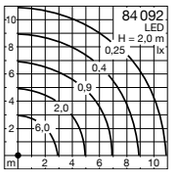
	LED		PSU	A	B	AC/DC
77 165	33.0 W	3505 lm	DALI	260	660	✔

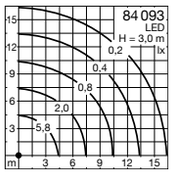
Luminaire poles

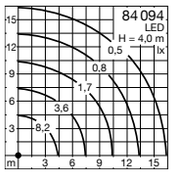
Pole heights	Top	Groups
3500 - 6000	Ø 76	34 · 14 · 17 · 33 · 13











The sphere · Pole-top luminaires
Unshielded light

The sphere, in its many different forms, is a classic among unshielded luminaires. This timeless luminaire design has lost none of its topicality. These luminaires have been integral components of our outdoor and indoor luminaire ranges for decades. They create unshielded light with a high degree of uniformity and ensure good visual comfort on pathways, in parks, gardens, driveways, traffic-calmed areas and car parks.

We supply the luminaires with built-in LED modules or as an E 27 screw base version with corresponding LED lamp.

Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

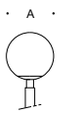
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1215 to 6785 lm
Connected wattage	12.0 to 54.6 W
Protection class 99 282 Protection class	IP 65 IP 44
Cast aluminium, aluminium and stainless steel Synthetic sphere, white	
Luminaires with a BEGA LED module: DALI-controllable power supply units BEGA Thermal Management®	
Unshielded light	
Colour temperature for LED modules 3000 K – article number + **K3** 4000 K – article number + **K4**	
LED lamps · Colour temperature 3000 K are included in the delivery	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	





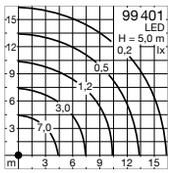
Unshielded light

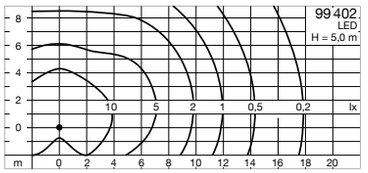
	LED		PSU	A	AC/DC
84 092	14.4 W	1975 lm	DALI	Ø 350	✔
84 093	30.8 W	4075 lm	DALI	Ø 450	✔
84 094	54.6 W	6785 lm	DALI	Ø 550	✔
	LED lamp included		Base		
99 282	12.0 W	1215 lm	E 27	Ø 300	—
84 416	12.0 W	1300 lm	E 27	Ø 350	—

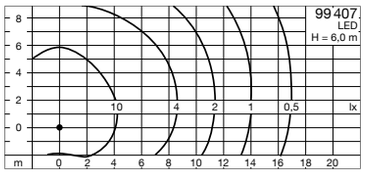
Luminaire poles

Pole heights	Top	Groups
2000	Ø 60	32 · 12
3000	Ø 60	32 · 12
4000	Ø 76	32 · 12 · 16
1700	Ø 48	31 · 11
3000	Ø 60	32 · 12









Pole-top luminaires
Symmetrical or asymmetrical flat beam light distribution

Pole-top luminaires with different dimensions, outputs and light distributions, optionally with:

- **symmetrical** or
- **asymmetrical flat beam** light distribution.

Ready-to-install pole-top luminaires in a single or double arrangement for the energy-efficient illumination of residential streets, car parks and traffic-calmed areas. The asymmetrical flat beam light distribution is particularly suitable for illuminating streets in accordance with EN 13201.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

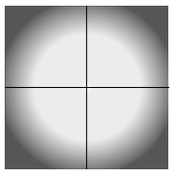
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

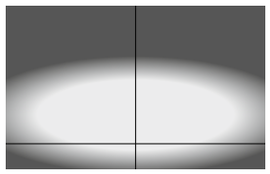
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	1855 to 6750 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.5 to 52.8 W
Protection class	IP 65
Safety class	II
Cast aluminium, aluminium and stainless steel	
Safety glass	
Reflector made of pure anodised aluminium	
DALI-controllable power supply units.	
BEGA Thermal Management®	
Symmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

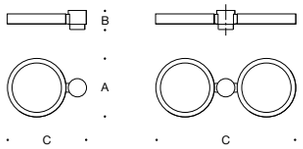


Symmetrical



Asymmetrical flat beam





Symmetrical light distribution

	LED		PSU		A	B	C	AC/DC
99 401	18,5 W	1865 lm	DALI	**Single**	300	100	410	✔
99 403	37,0 W	3730 lm	DALI	**Double**	300	100	720	✔

Luminaire poles

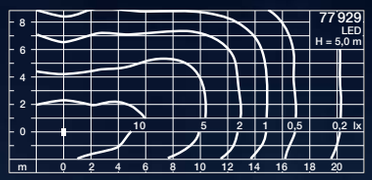
Pole heights	Top	Groups
4000 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 5000	Ø 76	34 · 14 · 17 · 33 · 13

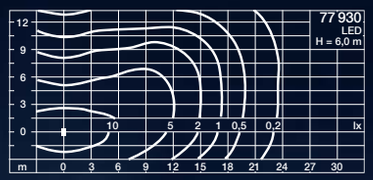
Asymmetrical flat beam light distribution

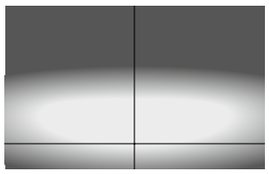
	LED		PSU		A	B	C	AC/DC
99 402	18,5 W	1855 lm	DALI	**Single**	300	100	410	✔
99 407	26,4 W	3375 lm	DALI	**Single**	470	70	610	✔
99 462	37,0 W	3710 lm	DALI	**Double**	300	100	720	✔
99 408	52,8 W	6750 lm	DALI	**Double**	470	70	1125	✔

Luminaire poles

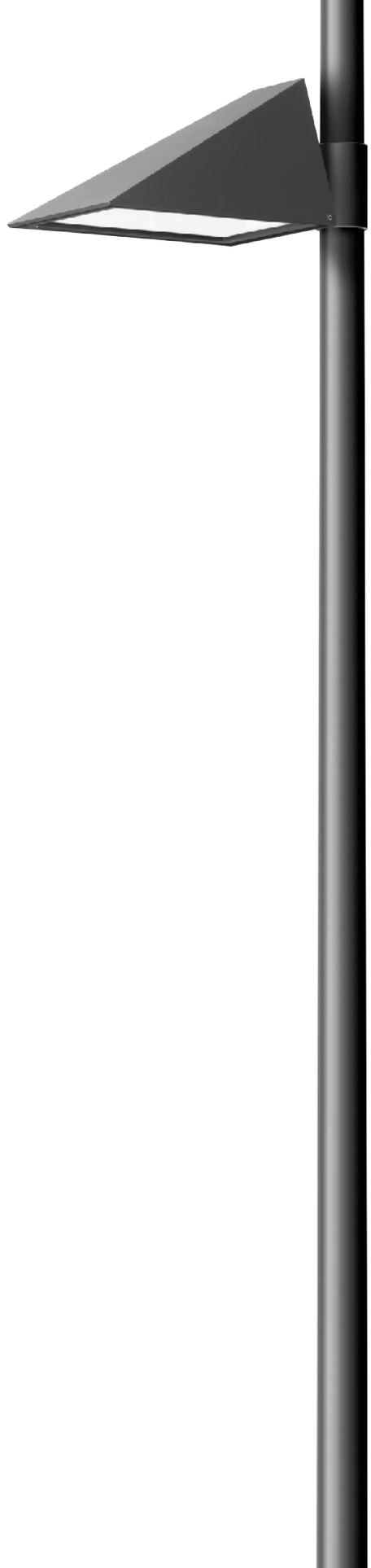
Pole heights	Top	Groups
4000 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13







Asymmetrical flat beam



Pole-top luminaires
Asymmetrical flat beam light distribution

The light distribution of these luminaires is particularly suitable for illuminating streets in accordance with EN 13201. Luminaires for the energy-efficient illumination of driveways, residential and trunk roads. Pole-top luminaires ready for installation, for single or double arrangements.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

We can also supply these luminaires in safety class II as custom-made products.

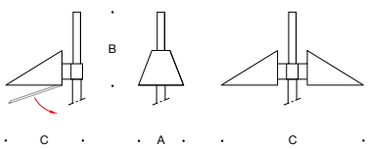
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2445 to 7340 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.5 to 52.0 W
Protection class	IP 66
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium Luminaires can be opened without tools	
DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



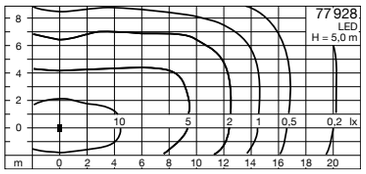
Asymmetrical flat beam light distribution

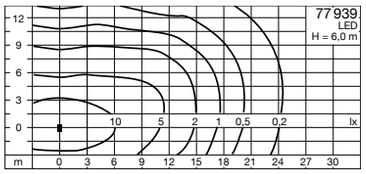
	LED		PSU		A	B	C	AC/DC
77 929	18,5 W	2445 lm	DALI	**Single**	350	585	645	✔
77 930	26,0 W	3670 lm	DALI	**Single**	350	585	645	✔
84 242	37,0 W	4890 lm	DALI	**Double**	350	585	1200	✔
84 243	52,0 W	7340 lm	DALI	**Double**	350	585	1200	✔

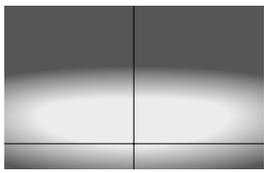
Luminaire poles

Pole heights	Top	Groups
3000 - 6000	Ø 76	34 · 14 · 17 · 72
3000 - 6000	Ø 76	34 · 14 · 17 · 72
3000 - 6000	Ø 76	34 · 14 · 72
3000 - 6000	Ø 76	34 · 14 · 72









Asymmetrical flat beam

Pole-top luminaires
Asymmetrical flat beam light distribution

Pole-top luminaires with asymmetrical flat beam light distribution for different light outputs – for the illumination of streets, squares, driveways and pedestrian zones. The light distribution is particularly suitable for illuminating streets in accordance with EN 13201. The attack angle of the luminaires can be adjusted to the surface to be illuminated.
Pole-top luminaires ready for installation, for single or double arrangements.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

We can also supply these luminaires in safety class II as custom-made products.

Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

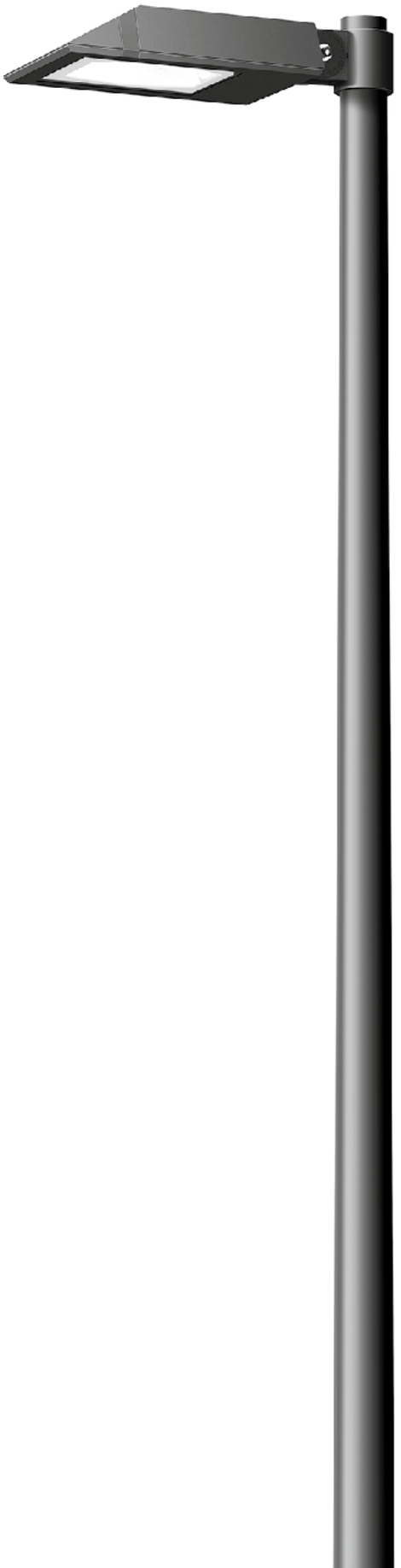
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

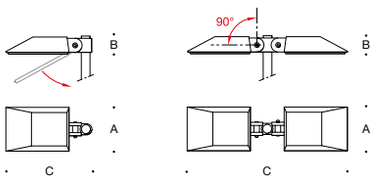
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2365 to 7060 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.5 to 52.0 W
Protection class	IP 66
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium Luminaires can be opened without tools Attack angle adjustable in 10° increments up to 90°	
DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







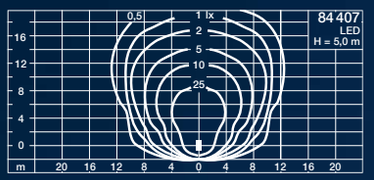
Asymmetrical flat beam light distribution

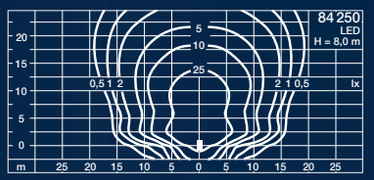
	LED		PSU		A	B	C	AC/DC
77 928	18,5 W	2365 lm	DALI	**Single**	290	110	650	✔
77 939	26,0 W	3530 lm	DALI	**Single**	290	110	650	✔
84 123	37,0 W	4730 lm	DALI	**Double**	290	110	1200	✔
84 124	52,0 W	7060 lm	DALI	**Double**	290	110	1200	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 72
4000 - 6000	Ø 76	34 · 14 · 17 · 72
4000 - 6000	Ø 76	34 · 14 · 17 · 72
4000 - 6000	Ø 76	34 · 14 · 17 · 72







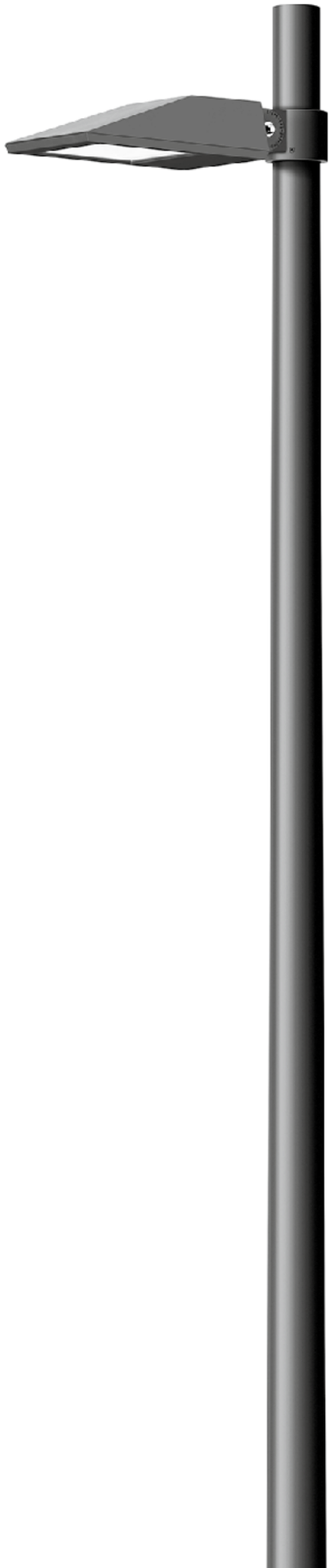


Asymmetrical





Asymmetrical light distribution



Pole-top luminaires with asymmetrical light distribution for different light outputs – for the illumination of streets, squares, driveways and pedestrian zones.

Using the adjustable attack angle of the luminaire housings, the light distribution can be adjusted exactly to the surface to be illuminated.
Luminaires ready for installation, for single or double arrangements.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

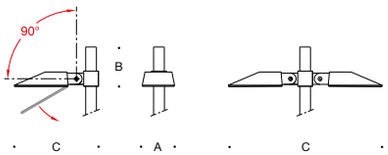
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	3350 to 21 050 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	25.0 to 216.0 W
Protection class	IP 66
Cast aluminium, aluminium and stainless steel Safety glass Reflector made of pure anodised aluminium Attack angle adjustable from up to 90° in 10° increments	
DALI-controllable power supply units	
BEGA Thermal Management®	
Asymmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical light distribution

	LED		PSU		A	B	C	AC/DC
84 247	25,0 W	3350 lm	DALI	**Single**	225	290	545	✔
84 407	60,5 W	6675 lm	DALI	**Single**	225	290	545	✔
84 250	108,0 W	10 525 lm	DALI	**Single**	315	290	630	✔
84 248	50,0 W	6700 lm	DALI	**Double**	225	290	1000	✔
84 249	121,0 W	13 350 lm	DALI	**Double**	225	290	1000	✔
84 251	216,0 W	21 050 lm	DALI	**Double**	315	290	1200	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 5000	Ø 76	34 · 14 · 17 · 72
4000 - 6000	Ø 76	34 · 14 · 17 · 72
6000 - 8000	Ø 76	34 · 17 · 72
4000 - 5000	Ø 76	34 · 14 · 17 · 72
4000 - 6000	Ø 76	34 · 14 · 17 · 72
6000 - 8000	Ø 76	34 · 17 · 72



Pole-top luminaires
Asymmetrical light distribution

These pole-top luminaires with asymmetrical light distribution are part of a new group of luminaires that also includes light building elements and floodlights.
They are particularly suitable for providing spatial illumination of surfaces, squares and parking spaces.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

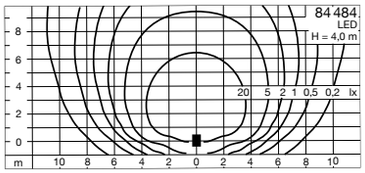
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

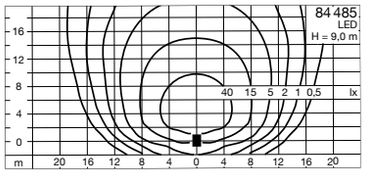
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

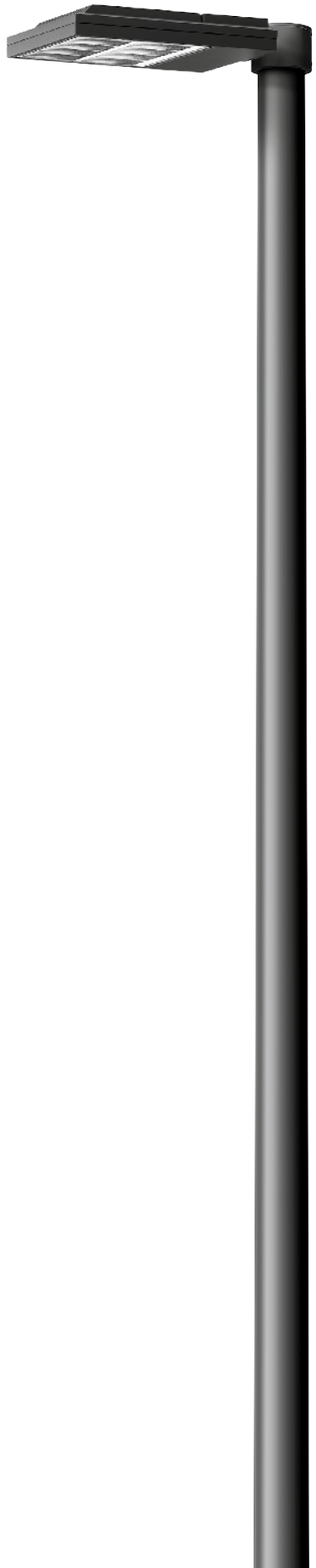
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2730 · 11 180 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	26.6 · 105.0 W
Protection class	IP 66
Cast aluminium, aluminium and stainless steel Safety glass Reflector surface made of pure aluminium Attack angle adjustable to 0° or 15°	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

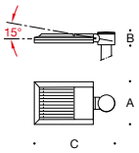








Asymmetrical



Asymmetrical light distribution

	LED		PSU	A	B	C	AC/DC
84 484	26,6 W	2730 lm	DALI	140	65	340	✔
84 485	105,0 W	11 180 lm	DALI	250	65	470	✔

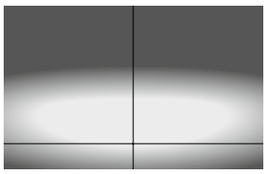
Luminaire poles

Pole heights	Top	Group
3500 - 5000	Ø 76	34 · 72 · 17
8000 - 9000	Ø 76	34 · 72





Asymmetrical



Asymmetrical flat beam

Pole-top luminaires and side-mounted pole-top luminaires
Asymmetrical or asymmetrical flat beam light distribution

These luminaires belong to a group whose performance spectrum allows them to be implemented for all lighting applications in street, square and city illumination.
They are available as pole-top luminaires or side-mounted pole-top luminaires.
Two light distributions are available:

- With **asymmetrical** light distribution for providing spatial illumination of surfaces, squares and parking spaces, or
- With **asymmetrical flat beam** light distribution, particularly suitable for illuminating streets in accordance with EN 13201.

Ready-to-install pole-top luminaires for single or double arrangements and side-mounted pole-top luminaires for bracket poles.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

For matching wall luminaires, see Page 216.

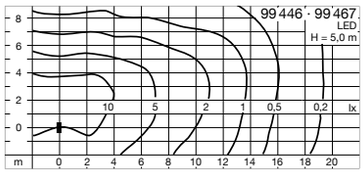
Power reduction accessories for luminaires with a DALI interface can be found on Page 284.

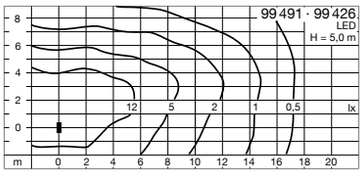
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

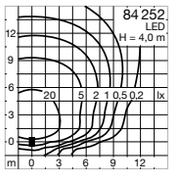
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

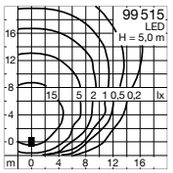
Luminaire data

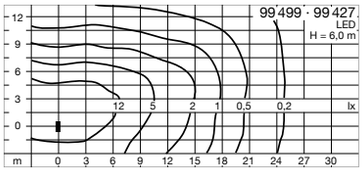
Luminaire luminous flux	1855 to 10 270 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	14.0 to 69.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Miro® reflectors made of highly reflective pure aluminium	
Luminaires in a double arrangement and side-mounted pole-top luminaires:	
Attack angle adjustable to 0° or 15°	
Luminaires can be opened without tools	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

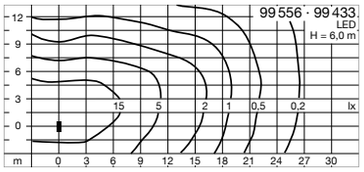


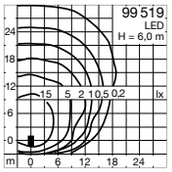




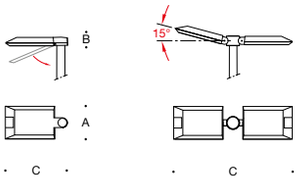












Asymmetrical light distribution

	LED		PSU		A	B	C	AC/DC
84 252	14,6 W	2060 lm	DALI	**Single**	255	60	440	✔
99 515	26,0 W	3690 lm	DALI	**Single**	255	60	440	✔
99 519	34,5 W	5135 lm	DALI	**Single**	255	60	440	✔
84 253	29,2 W	4120 lm	DALI	**Double**	255	60	815	✔
99 528	52,0 W	7380 lm	DALI	**Double**	255	60	815	✔
99 529	69,0 W	10 270 lm	DALI	**Double**	255	60	815	✔

Luminaire poles

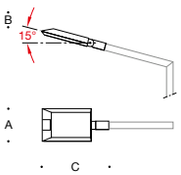
Pole heights	Top*	Groups
3500 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
3500 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13

Asymmetrical flat beam light distribution

	LED		PSU		A	B	C	AC/DC
99 446	14,0 W	1855 lm	DALI	**Single**	255	60	440	✔
99 491	17,6 W	2475 lm	DALI	**Single**	255	60	440	✔
99 499	26,1 W	3685 lm	DALI	**Single**	255	60	440	✔
99 556	34,5 W	4880 lm	DALI	**Single**	255	60	440	✔
99 447	28,0 W	3710 lm	DALI	**Double**	255	60	815	✔
99 473	52,2 W	7370 lm	DALI	**Double**	255	60	815	✔
99 474	69,0 W	9760 lm	DALI	**Double**	255	60	815	✔

Lichtmaste

Pole heights	Top*	Groups
3500 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 7000	Ø 76	34 · 72 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
3500 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 7000	Ø 76	34 · 72 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13





Side-mounted pole-top luminaires · **Asym. flat beam** light distr.

	LED		PSU	A	B	C	AC/DC
99 467	14,0 W	1855 lm	DALI	255	60	490	✔
99 426	17,6 W	2475 lm	DALI	255	60	490	✔
99 427	26,1 W	3685 lm	DALI	255	60	490	✔
99 433	34,5 W	4880 lm	DALI	255	60	490	✔

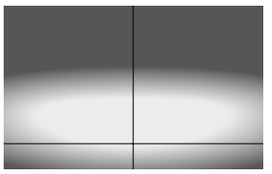
Pole heights	Connection*
3500 - 5000	Ø 42
4000 - 6000	Ø 42
5000 - 7000	Ø 42
5000 - 8000	Ø 42

*Also available for Ø 60 mm pole top/connection on request.





Asymmetrical



Asymmetrical flat beam

Pole-top luminaires and side-mounted pole-top luminaires
Asymmetrical or asymmetrical flat beam light distribution

These luminaires belong to a group whose performance spectrum covers all lighting applications in the areas of street, square and city illumination.
They are available as pole-top luminaires or as side-mounted pole-top luminaires.
Two light distributions are available:

- With **asymmetrical** light distribution for providing spatial illumination of surfaces, squares and parking spaces, or
- With **asymmetrical flat beam** light distribution, particularly suitable for illuminating streets in accordance with EN 13201.

Ready-to-install pole-top luminaires for single or double arrangements and side-mounted pole-top luminaires for bracket poles.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Matching wall luminaires can be found on Page 216.

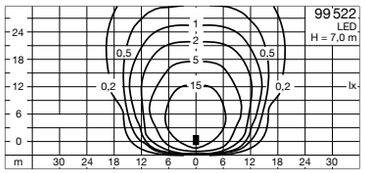
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

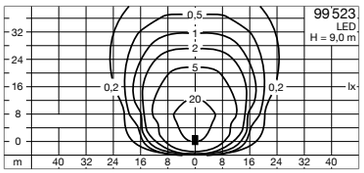
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

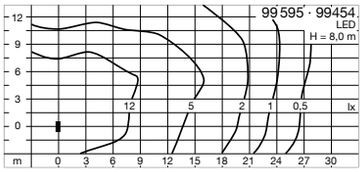
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

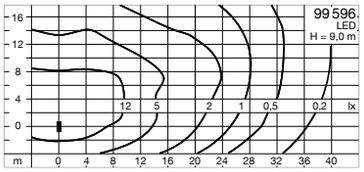
Luminaire data

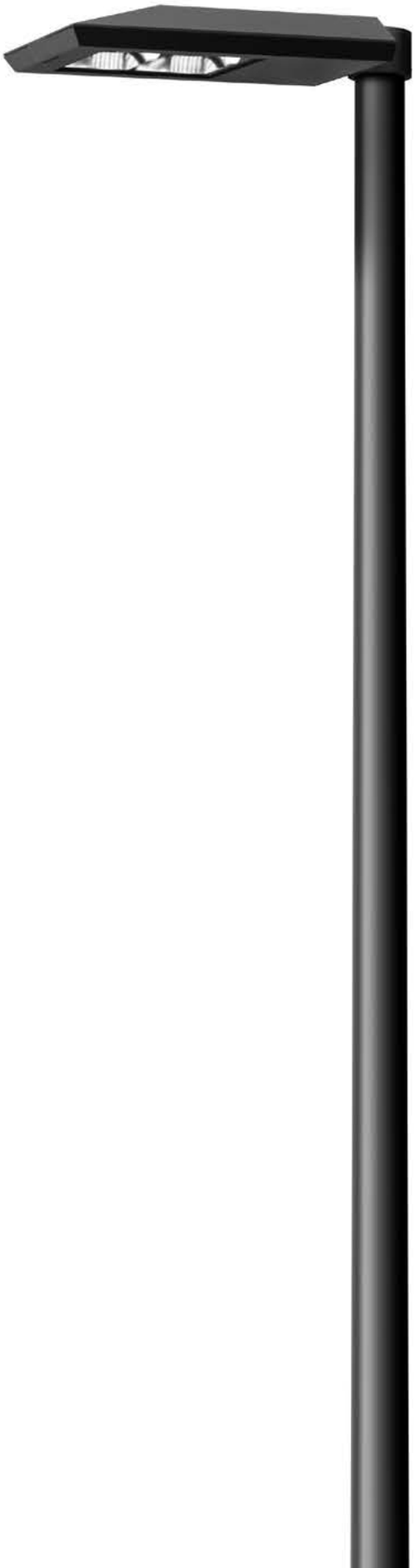
Luminaire luminous flux	7265 to 19 830 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	53.0 to 134.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Miro® reflectors made of highly reflective pure aluminium	
Attack angle adjustable to 0° or 15°	
Luminaires can be opened without tools	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	

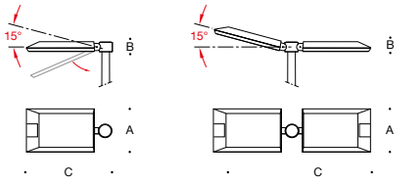












Asymmetrical light distribution

	LED		PSU		A	B	C	AC/DC
99 522	53.0 W	7265 lm	DALI	**Single**	340	75	660	✔
99 523	67.0 W	9915 lm	DALI	**Single**	340	75	660	✔
99 532	106.0 W	14 530 lm	DALI	**Double**	340	75	1215	✔
99 533	134.0 W	19 830 lm	DALI	**Double**	340	75	1215	✔

Luminaire poles

Pole heights	Top*	Groups
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72

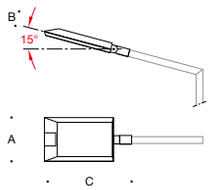
Asymmetrical flat beam light distribution

	LED		PSU		A	B	C	AC/DC
99 595	53.0 W	7770 lm	DALI	**Single**	340	75	660	✔
99 596	67.0 W	9885 lm	DALI	**Single**	340	75	660	✔
99 479	134.0 W	19 770 lm	DALI	**Double**	340	75	1215	✔

Luminaire poles

Pole heights	Top*	Groups
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72

* Also available for Ø 60 mm pole top on request.



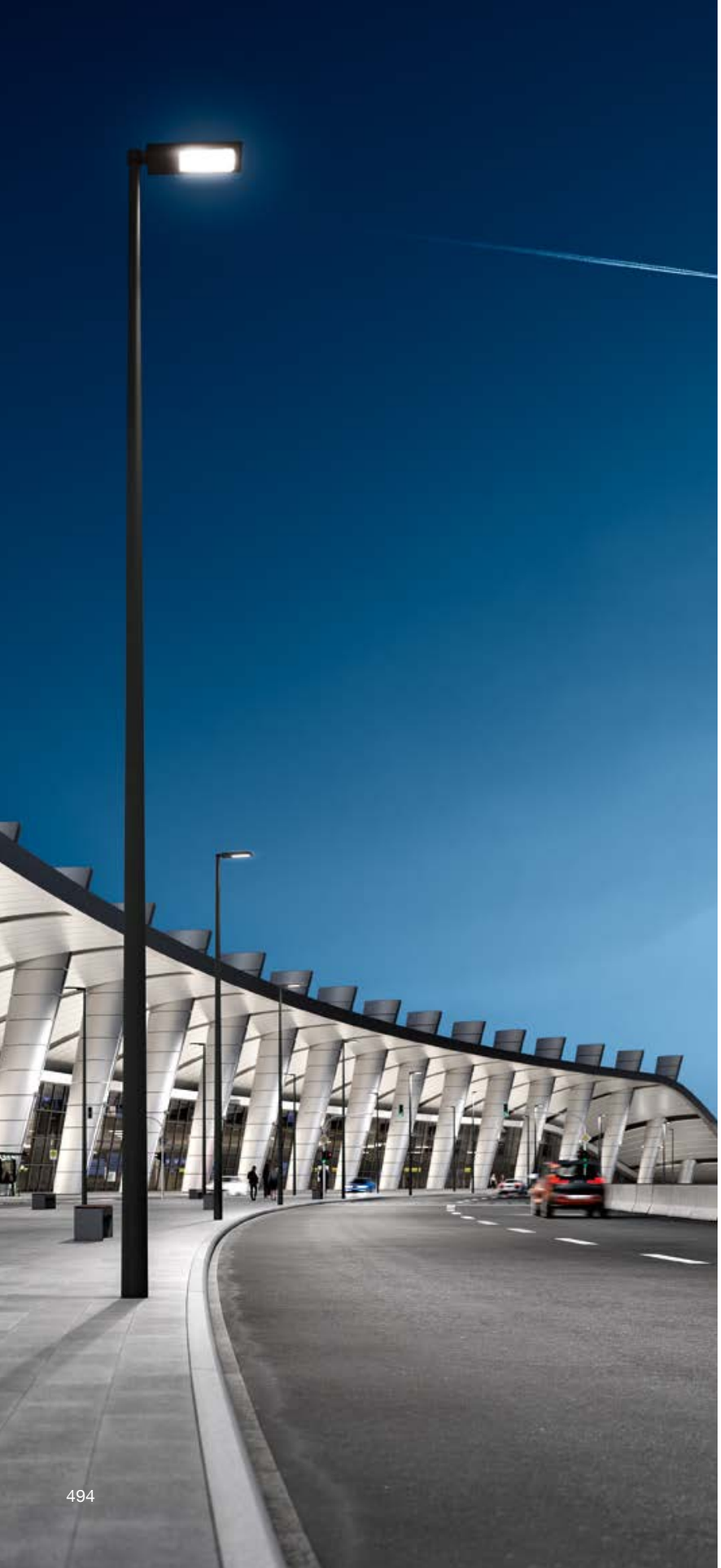


Side-mounted pole-top luminaires · **Asym. flat beam** light distr.

	LED		PSU	A	B	C	AC/DC
99 454	53.0 W	7770 lm	DALI	340	75	695	✔

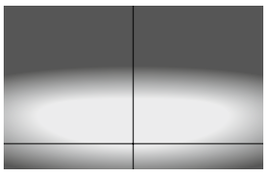
Pole heights	Connection*
7000 - 9000	Ø 60

* Also available for Ø 42 mm connection on request.





Asymmetrical



Asymmetrical flat beam

Pole-top luminaires
Asymmetrical or asymmetrical flat beam light distribution

These luminaires belong to a group whose performance spectrum allows them to be implemented for all lighting applications in street, square and city illumination. They are available as pole-top luminaires with two different light distributions to choose from:

- With **asymmetrical** light distribution for providing spatial illumination of surfaces, squares and parking spaces, or
- With **asymmetrical flat beam** light distribution, particularly suitable for illuminating streets in accordance with EN 13201.

Ready-to-install pole-top luminaires for bracket poles in a single or double arrangement.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Matching wall luminaires can be found on Page 216.

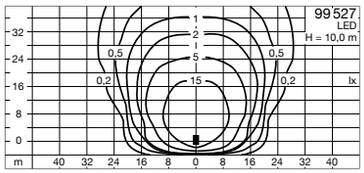
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

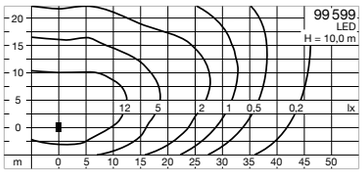
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

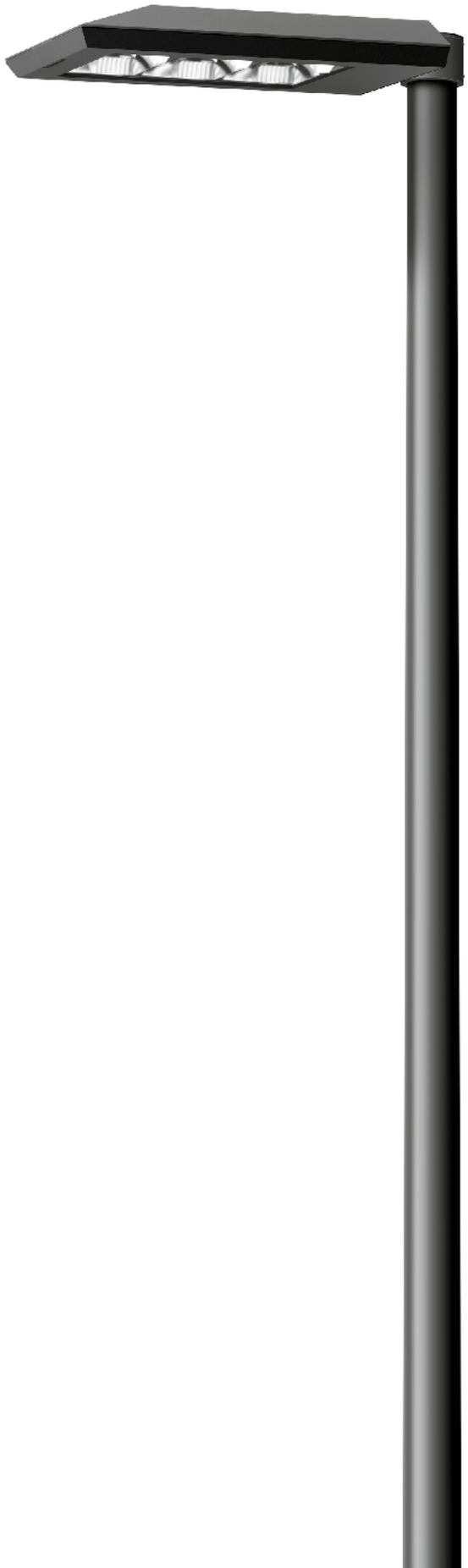
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

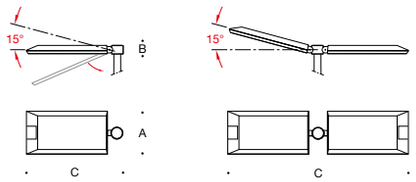
Luminaire data

Luminaire luminous flux	13590 to 29730 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	103.0 · 206.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Miro® reflectors made of highly reflective pure aluminium	
Attack angle adjustable to 0° or 15°	
Luminaires can be opened without tools	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	









Asymmetrical light distribution

	LED		PSU		A	B	C	AC/DC
99 527	103.0 W	13 590 lm	DALI	**Single**	340	75	820	✔
99 534	206.0 W	27 180 lm	DALI	**Double**	340	75	1535	✔

Luminaire poles

Pole heights	Top	Group
8000 - 10 000	Ø 76	72
8000 - 10 000	Ø 76	72

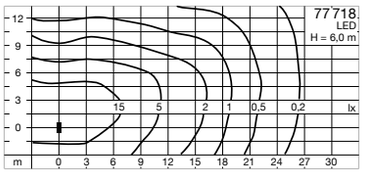
Asymmetrical flat beam light distribution

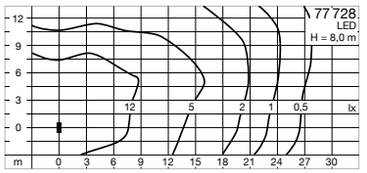
	LED		PSU		A	B	C	AC/DC
99 599	103.0 W	14 865 lm	DALI	**Single**	340	75	820	✔
99 481	206.0 W	29 730 lm	DALI	**Double**	340	75	1535	✔

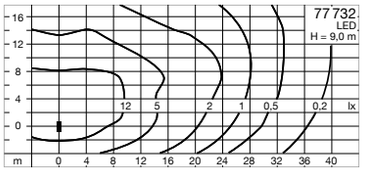
Luminaire poles

Pole heights	Top	Group
8000 - 10 000	Ø 76	72
8000 - 10 000	Ø 76	72









Pole-top luminaires **with outrigger arm**
Asymmetrical flat beam light distribution

These luminaires belong to a group whose performance spectrum allows them to be implemented for all lighting applications in street, square and city illumination.
The asymmetrical flat beam light distribution is particularly suitable for illuminating streets in accordance with EN 13201.
Ready-to-install pole-top luminaires for single or double arrangements.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

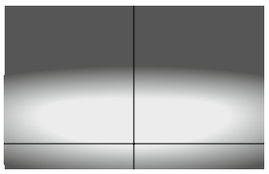
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

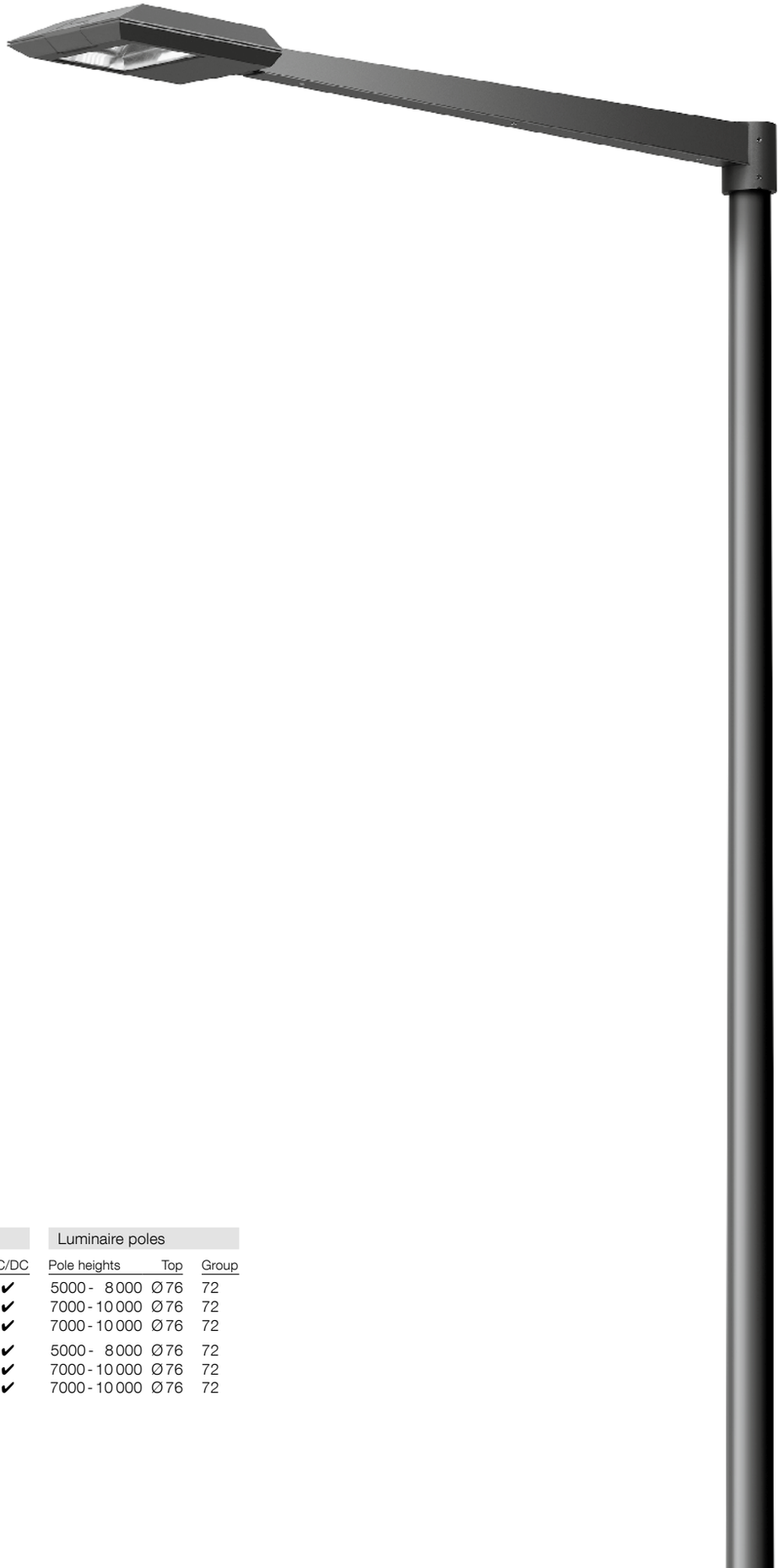
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

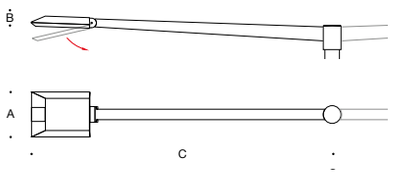
Luminaire data

Luminaire luminous flux	4880 to 19 770 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	34.5 to 134.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Miro® reflectors made of highly reflective pure aluminium	
Luminaires can be opened without tools	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical flat beam





Asymmetrical flat beam light distribution

	LED		PSU		A	B	C	AC/DC
77 718	34.5 W	4880 lm	DALI	**Single**	255	60	1700	✔
77 728	53.0 W	7770 lm	DALI	**Single**	340	75	1900	✔
77 732	67.0 W	9885 lm	DALI	**Single**	340	75	1900	✔
77 736	69.0 W	9760 lm	DALI	**Double**	255	60	3400	✔
77 758	106.0 W	15 540 lm	DALI	**Double**	340	75	3800	✔
77 759	134.0 W	19 770 lm	DALI	**Double**	340	75	3800	✔

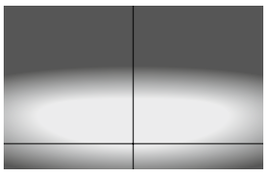
Luminaire poles

Pole heights	Top	Group
5000 - 8 000	Ø 76	72
7000 - 10 000	Ø 76	72
7000 - 10 000	Ø 76	72
5000 - 8 000	Ø 76	72
7000 - 10 000	Ø 76	72
7000 - 10 000	Ø 76	72





Asymmetrical



Asymmetrical flat beam

Pole-top luminaires and side-mounted pole-top luminaires
Asymmetrical or asymmetrical flat beam light distribution

These luminaires belong to a group whose performance spectrum allows them to be implemented for all lighting applications in street, square and city illumination. Economical pole-top luminaires with different dimensions, outputs and light distributions.
BEGA Koffer luminaires (box luminaires) have been an established design element in public areas for more than fifty years – a classic that we have updated in the new range of this series to meet the lightest lighting requirements.
The luminaires are DALI-controllable and available with two different light distributions.

- With **asymmetrical** light distribution for spatial illumination of surfaces, squares and parking spaces
- With **asymmetrical flat beam** light distribution for illumination of streets and traffic areas in accordance with EN 13201.

Ready-to-install pole-top luminaires for single or double arrangements and side-mounted pole-top luminaires for bracket poles.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Luminaires in this series with two Zhaga interfaces as per Zhaga Book 18 Ed 2.0 can be found on Page 500; wall luminaires on Page 214.

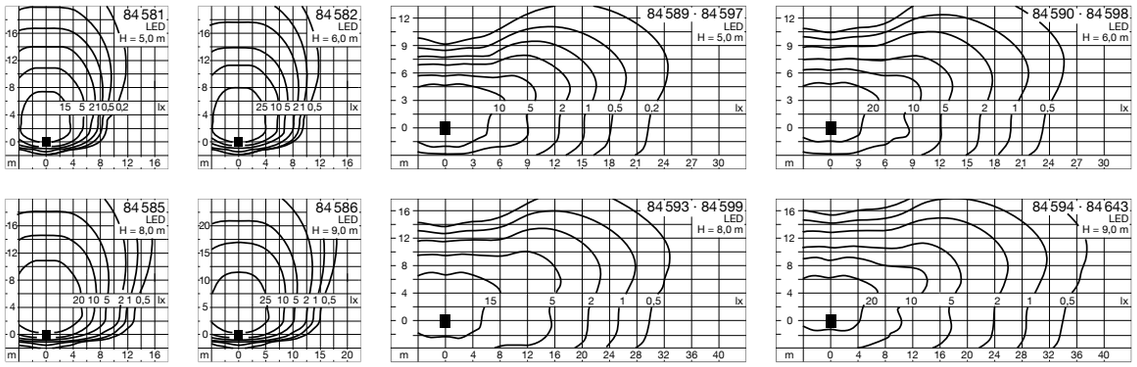
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

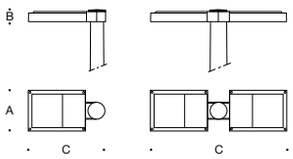
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2400 to 19 200 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	17.8 to 134.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Reflector surface made of pure aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	





Asymmetrical light distribution

	LED		PSU		A	B	C	AC/DC
84 581	17.8 W	2400 lm	DALI	**Single**	240	60	450	✔
84 582	33.5 W	4800 lm	DALI	**Single**	240	60	450	✔
84 585	51.0 W	7200 lm	DALI	**Single**	320	75	520	✔
84 586	67.0 W	9600 lm	DALI	**Single**	320	75	520	✔
84 583	35.6 W	4800 lm	DALI	**Double**	240	60	805	✔
84 584	67.0 W	9600 lm	DALI	**Double**	240	60	805	✔
84 587	102.0 W	14 200 lm	DALI	**Double**	320	75	935	✔
84 588	134.0 W	19 200 lm	DALI	**Double**	320	75	935	✔

Luminaire poles

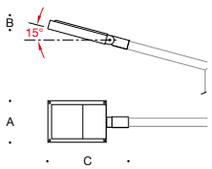
Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72

Asymmetrical flat beam light distribution

	LED		PSU		A	B	C	AC/DC
84 589	17.8 W	2400 lm	DALI	**Single**	240	60	450	✔
84 590	33.5 W	4800 lm	DALI	**Single**	240	60	450	✔
84 593	51.2 W	7200 lm	DALI	**Single**	320	75	520	✔
84 594	67.0 W	9600 lm	DALI	**Single**	320	75	520	✔
84 591	35.6 W	4800 lm	DALI	**Double**	240	60	805	✔
84 592	67.0 W	9600 lm	DALI	**Double**	240	60	805	✔
84 595	102.4 W	14 200 lm	DALI	**Double**	320	75	935	✔
84 596	134.0 W	19 200 lm	DALI	**Double**	320	75	935	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72



Side-mounted pole-top luminaires · **Asymmetrical flat beam** light distribution

	LED		PSU		A	B	C	AC/DC
84 597	17.8 W	2400 lm	DALI	**Single**	240	60	535	✔
84 598	33.5 W	4800 lm	DALI	**Single**	240	60	535	✔
84 599	51.2 W	7200 lm	DALI	**Single**	320	75	600	✔
84 643	67.0 W	9600 lm	DALI	**Single**	320	75	600	✔

Luminaire poles

Pole heights	Connection*
4000 - 6000	Ø 42
5000 - 8000	Ø 42
7000 - 9000	Ø 60
7000 - 9000	Ø 60

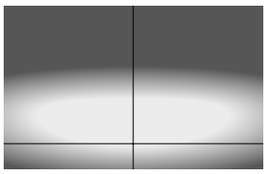
*Ø 42 mm connection also available in Ø 60 mm, and Ø 60 mm available in Ø 42 mm on request.







Asymmetrical



Asymmetrical flat beam

Pole-top luminaires with **Zhaga interfaces**
Asymmetrical or asymmetrical flat beam light distribution

In all technical characteristics, these luminaires are identical to the luminaires in the group on Page 498, but additionally feature two Zhaga interfaces as per Zhaga Book 18 Ed 2.0.

Optionally available with:

- **asymmetrical** light distribution for providing spatial illumination of surfaces, squares and parking spaces or
- **asymmetrical flat beam** light distribution for illumination of streets and traffic areas in accordance with EN 13201.

The Zhaga modules depicted are not included in the delivery.

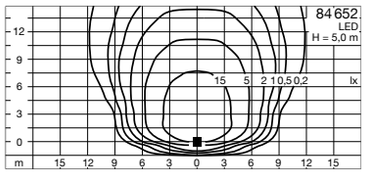
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

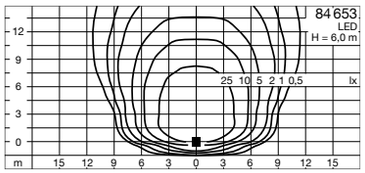
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

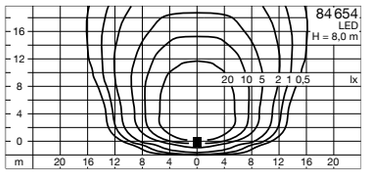
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

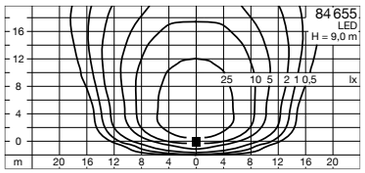
Luminaire data

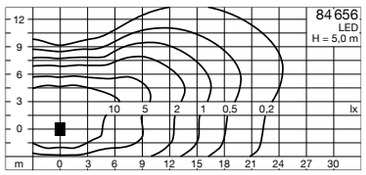
Luminaire luminous flux	2400 to 9600 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.4 to 69.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Reflector surface made of pure aluminium	
Two Zhaga interfaces as per Zhaga Book 18 Ed 2.0	
BEGA Thermal Management®	
Asymmetrical or asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

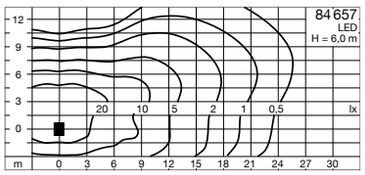


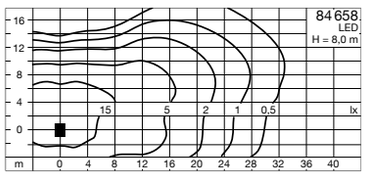


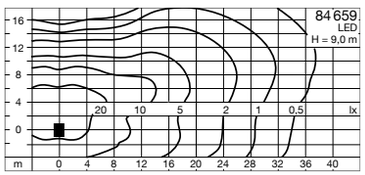




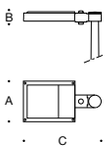












Asymmetrical light distribution

	LED		PSU	A	B	C	AC/DC
84 652	18.4 W	2400 lm	Zhaga	240	60	340	✔
84 653	34.5 W	4800 lm	Zhaga	240	60	340	✔
84 654	50.5 W	7200 lm	Zhaga	320	75	405	✔
84 655	69.0 W	9600 lm	Zhaga	320	75	405	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72

Asymmetrical flat beam light distribution

	LED		PSU	A	B	C	AC/DC
84 656	18.4 W	2400 lm	Zhaga	240	60	340	✔
84 657	34.5 W	4800 lm	Zhaga	240	60	340	✔
84 658	50.5 W	7200 lm	Zhaga	320	75	405	✔
84 659	69.0 W	9600 lm	Zhaga	320	75	405	✔

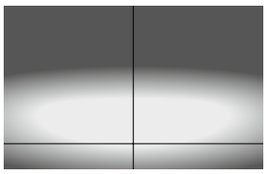
Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	34 · 72 · 17 · 33 · 13
7000 - 9000	Ø 76	34 · 72
7000 - 9000	Ø 76	34 · 72



The Zhaga modules depicted are not included in the delivery.





Asymmetrical flat beam

Pole-top luminaires and side-mounted pole-top luminaires
Asymmetrical flat beam light distribution

Luminaires with a high protection class and in safety class II whose comprehensive performance spectrum allows them to be implemented for numerous lighting applications in street, square and city illumination. They are available as pole-top luminaires or side-mounted pole-top luminaires. The asymmetrical flat beam light distribution is particularly suitable for illuminating streets in accordance with EN 13201.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

Ready-to-install pole-top luminaires for single or double arrangements and side-mounted pole-top luminaires for bracket poles.

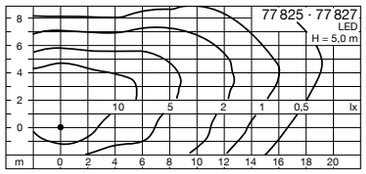
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

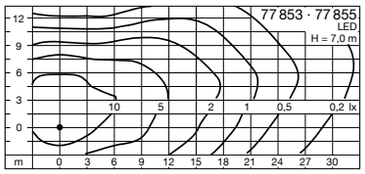
In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

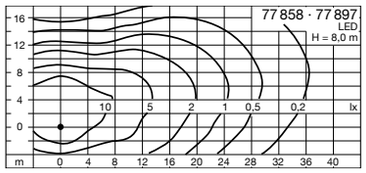
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

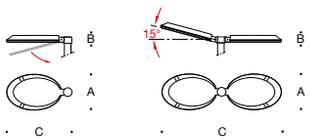
Luminaire data

Luminaire luminous flux	1950 to 9570 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	13.5 to 68.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Miro® reflectors made of highly reflective pure aluminium	
Attack angle adjustable to 0° or 15°	
Luminaires can be opened without tools	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	







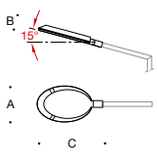


Asymmetrical flat beam light distribution

	LED		PSU		A	B	C	AC/DC
77 825	13.5 W	1950 lm	DALI	**Single**	260	55	520	✔
77 853	25.5 W	3865 lm	DALI	**Single**	260	55	520	✔
77 858	34.0 W	4785 lm	DALI	**Single**	260	55	520	✔
77 826	27.0 W	3900 lm	DALI	**Double**	260	55	945	✔
77 854	51.0 W	7730 lm	DALI	**Double**	260	55	945	✔
77 859	68.0 W	9570 lm	DALI	**Double**	260	55	945	✔

Luminaire poles

Pole heights	Top*	Groups
3500 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 7000	Ø 76	72 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	72 · 14 · 17 · 33 · 13
3500 - 5000	Ø 76	34 · 14 · 17 · 33 · 13
5000 - 7000	Ø 76	72 · 14 · 17 · 33 · 13
5000 - 8000	Ø 76	72 · 14 · 17 · 33 · 13





Side-mounted pole-top luminaires · **Asym. flat beam** light distr.

	LED		PSU	A	B	C	AC/DC
77 827	13.5 W	1950 lm	DALI	260	55	560	✔
77 855	25.5 W	3865 lm	DALI	260	55	560	✔
77 897	34.0 W	4785 lm	DALI	260	55	560	✔

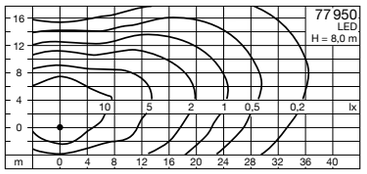
Luminaire poles

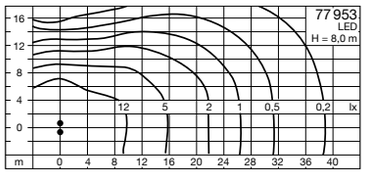
Pole heights	Connection*
3500 - 5000	Ø 42
5000 - 7000	Ø 42
5000 - 8000	Ø 42

*Also available for Ø 60 mm pole top/connection on request.









Pole-top luminaires **with outrigger arm**
Asymmetrical flat beam light distribution

These luminaires belong to a group whose performance spectrum allows them to be implemented for all lighting applications in street, square and city illumination.
The asymmetrical flat beam light distribution is particularly suitable for illuminating streets in accordance with EN 13201.
Ready-to-install pole-top luminaires for single and double arrangements.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

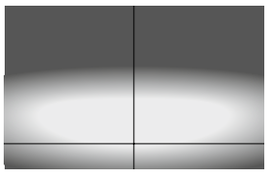
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

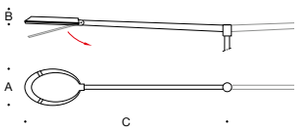
Luminaire luminous flux	4785 · 9570 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	34.0 · 68.0 W
Protection class	IP 66
Safety class	II
Cast aluminium, aluminium and stainless steel	
Anti-glare single-pane safety glass	
Miro® reflectors made of highly reflective pure aluminium	
Luminaires can be opened without tools	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical flat beam







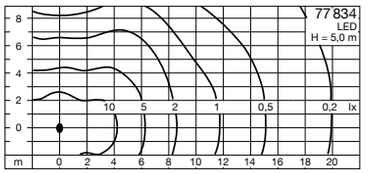
Asymmetrical flat beam light distribution

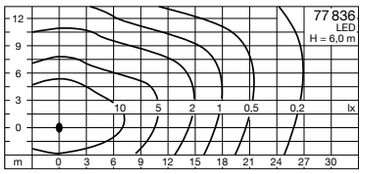
	LED		PSU		A	B	C	AC/DC
77 950	34.0 W	4785 lm	DALI	**Single**	260	55	1760	✔
77 953	68.0 W	9570 lm	DALI	**Double**	260	55	3520	✔

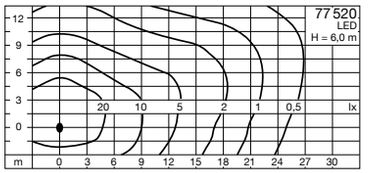
Luminaire poles

Pole heights	Top	Group
5000 - 8000	Ø 76	72
5000 - 8000	Ø 76	72









Pole-top luminaires
Asymmetrical flat beam light distribution

Pole-top luminaires with asymmetrical flat beam light distribution and three light outputs. For mounting heights of 4000 to 8000 millimetres. The attack angle of the luminaires can be set to 0° or 15°. Ready-to-install pole-top luminaires for single or double arrangements.

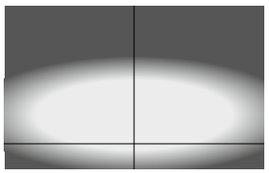
As custom-made products, the luminaires in this series are also available for Ø 60 mm pole tops and as outrigger luminaires. Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

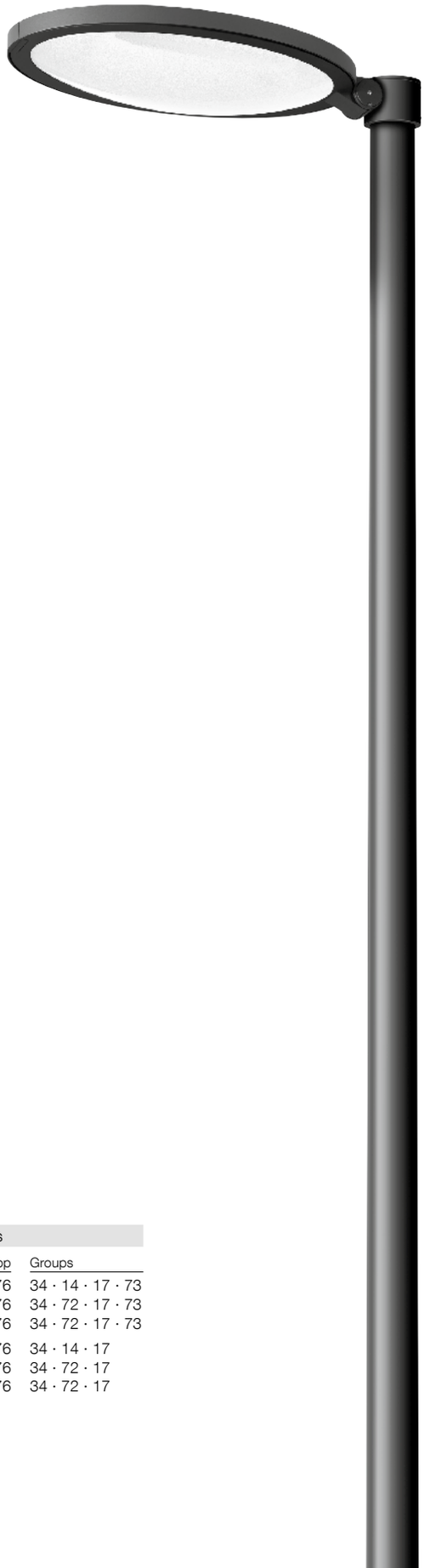
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

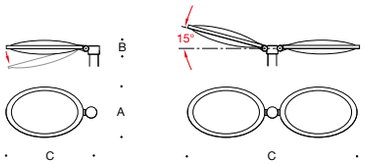
Luminaire luminous flux	1750 to 13 560 lm
Connected wattage	13.0 to 124.0 W
Protection class	IP 66
Cast aluminium, aluminium and stainless steel	
Synthetic cover with optical texture	
Attack angle adjustable to 0° or 15°	
Luminaires can be opened without tools	
Miro® reflectors made of highly reflective pure aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite – article number Silver – article number + **A**	
20-year availability guarantee for LED modules	



Asymmetrical flat beam







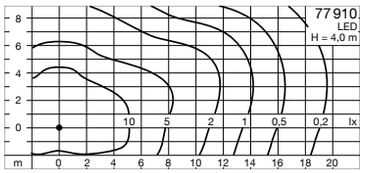
Asymmetrical flat beam light distribution

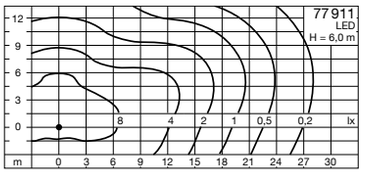
	LED		PSU		A	B	C	AC/DC
77 834	13.0 W	1750 lm	DALI	**Single**	400	135	750	✔
77 836	34.0 W	4740 lm	DALI	**Single**	400	135	750	✔
77 520	62.0 W	6780 lm	DALI	**Single**	400	135	750	✔
77 839	26.0 W	3500 lm	DALI	**Double**	400	135	1400	✔
77 841	68.0 W	9480 lm	DALI	**Double**	400	135	1400	✔
77 530	124.0 W	13 560 lm	DALI	**Double**	400	135	1400	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 5000	Ø 76	34 · 14 · 17 · 73
5000 - 8000	Ø 76	34 · 72 · 17 · 73
5000 - 8000	Ø 76	34 · 72 · 17 · 73
4000 - 5000	Ø 76	34 · 14 · 17
5000 - 8000	Ø 76	34 · 72 · 17
5000 - 8000	Ø 76	34 · 72 · 17









Also available in a double arrangement as a custom-made product

Pole-top luminaires
Asymmetrical flat beam light distribution

This luminaire series continues a line that we have been producing for 30 years. With some cautious changes, we have modernised these classics for today's technical requirements.
They are characterised by both a high protection class and modern lighting technology.
The light distribution is particularly suitable for illuminating streets in accordance with EN 13201.
These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

As custom-made products, luminaires from this series are also available in a double arrangement as double pole-top luminaires or as side-mounted pole-top luminaires with a G½ connecting thread.

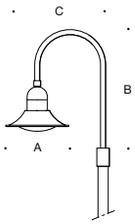
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	2520 · 3555 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	18.0 · 25.8 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Synthetic cover with optical texture	
Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Asymmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

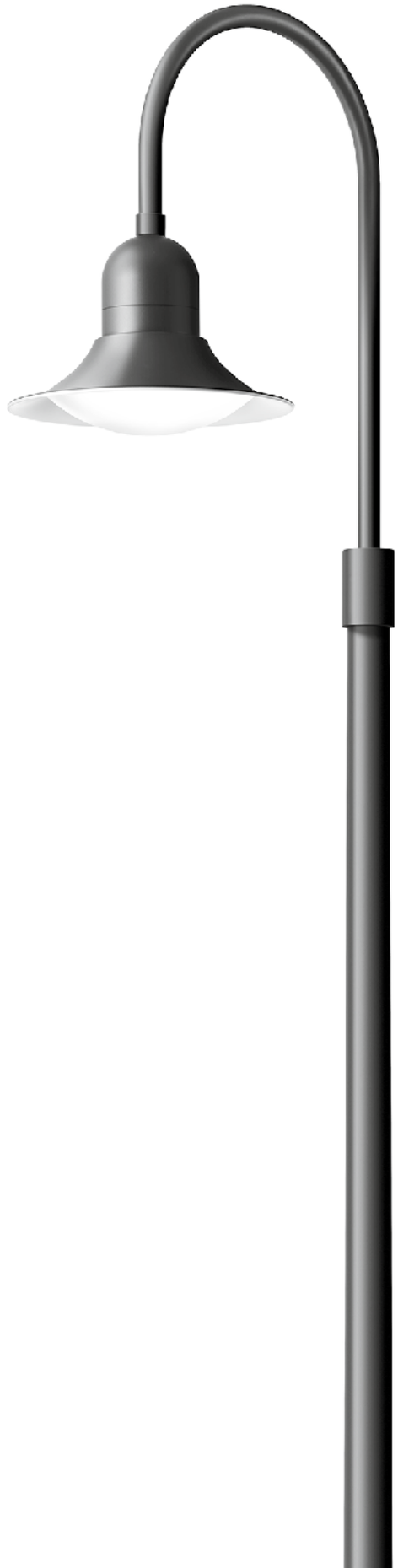


Asymmetrical flat beam light distribution

	LED		PSU	A	B	C	AC/DC
77 910	18.0 W	2520 lm	DALI	500	1030	830	✔
77 911	25.8 W	3555 lm	DALI	675	1180	1020	✔

Luminaire poles

Pole heights	Top	Groups
4000 - 6000	Ø 76	34 · 15
4000 - 6000	Ø 76	34 · 15





Pendant luminaires **for catenary systems**
Symmetrical flat beam light distribution

Pendant luminaires with symmetrical flat beam light distribution for use in catenary systems. The light distribution is particularly suitable for illuminating streets in accordance with EN 13201.
The luminaires can be installed in transverse suspension systems and longitudinal chain systems.

These luminaires emit less than 1% of the luminaire luminous flux into the upper half-space of the luminaires. The exact data can be found in the luminaire data sheets on our website.

On request we can also supply these luminaires in safety class II.

You can find wall luminaires with the same design features on Page 216; pole-top and side-mounted pole-top luminaires on Pages 490 to 497.

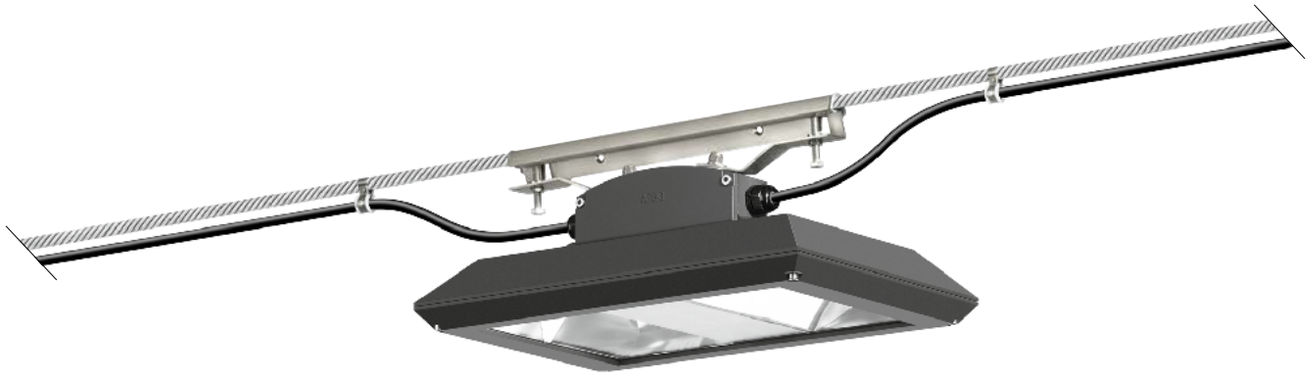
Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

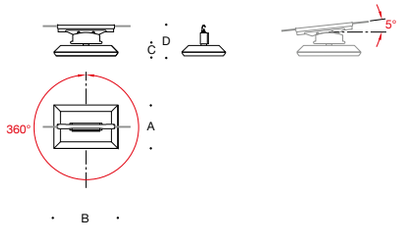
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

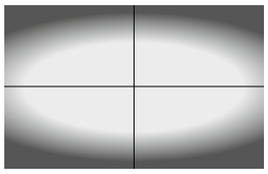
Luminaire data

Luminaire luminous flux	5170 to 10 260 lm
Luminous flux in the upper half-space	< 1%
Connected wattage	34.6 to 69.0 W
Protection class	IP 66
Cast aluminium, aluminium and stainless steel Anti-glare single-pane safety glass Miro® reflectors made of highly reflective pure aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Symmetrical flat beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	









Symmetrical flat beam

Symmetrical flat beam light distribution

	LED		PSU	A	B	C	D	AC/DC
99 458	34.6 W	5170 lm	DALI	310	460	75	230	✔
99 459	51.0 W	7870 lm	DALI	310	460	75	230	✔
99 460	69.0 W	10 260 lm	DALI	310	460	75	230	✔





Pendant luminaires **for catenary systems**
Shielded light, symmetrical wide beam light distribution

Pendant luminaires for catenary systems in two versions.
An integral reflector unit directs the light downwards in a rotationally symmetrical wide beam. The luminaires with their clear synthetic cylinder create a vertical light fraction in addition to the horizontal illuminance.
Parts of the building in the immediate vicinity of the luminaires are thus illuminated and persons easily identified. Luminaires for excellent visual comfort on inner-city streets and squares.

You can find pendant luminaires with the same design features on Page 52.

Power reduction accessories for luminaires with a DALI interface can be found on Page 584.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

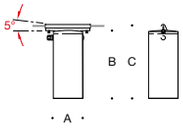
Luminaire data

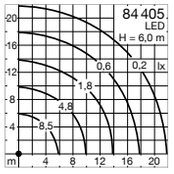
Luminaire luminous flux	4295 · 4725 lm
Connected wattage	39.0 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel 84 405 Safety glass 84 406 Sealed clear synthetic cylinder Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
Shielded light, symmetrical wide beam light distribution	
LED colour temperature 3000 K – article number + **K3** 4000 K – article number + **K4**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



For pendant luminaires, see Page 52



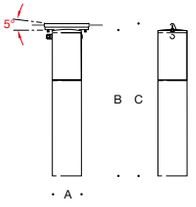


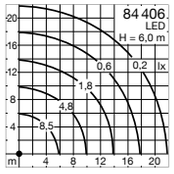


Symmetrical very wide beam light distribution

	LED		Netzteil	A	B	C	AC/DC
84 405	39.0 W	4295 lm	DALI	190	485	525	✔







Symmetrical very wide beam · Clear synthetic cylinder

	LED		Netzteil	A	B	C	AC/DC
84 406	39.0 W	4725 lm	DALI	190	1035	1075	✔



Fig.: Also available with opal glass as custom-made product



The Collection BOOM

The Collection BOOM is a selection of luminaires handcrafted from copper, cast bronze, brass, cast aluminium and hand-blown glass using traditional methods.
Stylish luminaires that not only impress with their high-quality materials and workmanship, but with their modern lighting technology as well. Carefully coordinated with a building's overall architecture, they help to complement sophisticated buildings and historical architecture.
The design and construction of many of our luminaires are reminiscent of the materials and production techniques of times gone by and result in a distinctive product.
Copper and cast bronze are among the oldest materials known to man. These materials are especially important to us because they are highly resistant to corrosion and sea-water, and very resistant to wear and tear.
Over time, the elements cause copper, cast bronze and brass to change their appearance. A distinctive patina forms on the surface, giving the material a unique aesthetic effect. Copper and bronze radiate durability and lasting value. They are timeless.
Aluminium and cast aluminium parts are pre-treated and powder-coated with our BEGA Unidure® technology to fulfil the highest standards in weathering and light stability.



The flame: the original form of light.
Lively and remarkably fascinating.
Protected from the wind – for when artificial light is having a break.
For indoors and outdoors.
The copper and crystal glass lantern comes in a gift box complete with candle.

		Ø	Height
31 500	Lantern	80	150



Wall luminaires made of cast bronze
Unshielded and shielded light

Wall luminaires made of cast bronze for unshielded light or light shielded upwards. It is thought that bronze, an alloy of copper and tin, was first used around 2500 BC. The appearance of this impressive material changes over time, resulting in a fascinating aesthetic that radiates durability and lasting value.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	380 to 960 lm
Connected wattage	6.0 to 15.5 W
Protection class	IP 65
Cast bronze and aluminium Crystal glass, inside white	
On/off or DALI-controllable power supply units BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
20-year availability guarantee for LED modules	

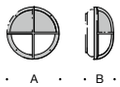






Wall luminaires · **Unshielded** light

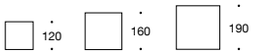
	LED		PSU	A	B	AC/DC
31 045	9.0 W	550 lm	on/off	210	120	✔
31 047	15.5 W	960 lm	DALI	265	135	✔



Wall luminaires · **Shielded** light

	LED		PSU	A	B	AC/DC
31 049	6.0 W	380 lm	on/off	210	120	✔
31 050	11.3 W	750 lm	DALI	265	135	✔





Wall luminaires
Light emission on two sides

Luminaires shielded to the front, in three sizes, made of copper and hand-blown crystal bubble glass. Copper is used to shield the luminaires and protect the glass. The brilliant light from the lamps is radiated directly upwards and downwards, projecting impressive light graphics onto the wall.
As single luminaires or arranged in groups, these luminaires produce expressive light for the effective highlighting of surfaces and vertical architectural details.

We supply the luminaires with an E 14 or E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

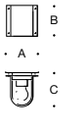
Luminaire data

Luminaire luminous flux	160 to 320 lm
Connected wattage	4.0 to 8.0 W
Protection class	IP 64
Copper and brass Wall mounting made of stainless steel Hand-blown crystal bubble glass with thread	
LED lamps with a colour temperature of 3000 K are included in the delivery	









Wall luminaires

	LED lamp included		Base	A	B	C
31 206	1 × 4.0 W	160 lm	E 14	120	120	170
31 207	1 × 7.0 W	300 lm	E 27	160	160	200
31 208	1 × 8.0 W	320 lm	E 27	190	190	220

Technical data for BEGA LED lamps can be found on Page 564.



Wall luminaires

Versatile luminaires designed for use around the house, next to doors and gates, or on pillars. Copper forms its own protective coating and develops its distinctive character only gradually through the resulting patina. Quality, durability and beauty are attributes which have characterized this material for centuries.

Wall luminaires in a choice of two versions.

Shielded luminaires made of copper and brilliant crystal bubble glass in two sizes, available in single or double version. A ring louvre made of copper suppresses glare from the luminaires, without affecting the impressive brilliance of the crystal bubble glass. The light from these luminaires is strikingly expressive.

We supply the luminaires with an E 14 or E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

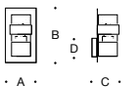
Luminaire luminous flux	195 to 660 lm
Connected wattage	4.0 to 14.0 W
Protection class	IP 44

Copper and cast bronze
Hand-blown crystal bubble glass with thread
Mounting plate made of stainless steel

LED lamps with a colour temperature of 3000 K are included in the delivery

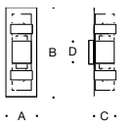






Wall luminaires · **Single** · **Shielded** light

	LED lamp included		Base	A	B	C	D
31 222	1 × 4.0 W	195 lm	E 14	115	200	105	90
31 223	1 × 7.0 W	345 lm	E 27	150	265	135	90



Wall luminaires · **Double** · **Shielded** light

	LED lamp included		Base	A	B	C	D
31 225	2 × 4.0 W	365 lm	E 14	115	320	105	90
31 226	2 × 7.0 W	660 lm	E 27	150	435	135	90

Technical data for BEGA LED lamps can be found on Page 564.





Wall luminaires
Shielded light

Luminaires shielded upwards, made of copper with hand-blown, three-ply opal glass.
These robust and reliable lighting tools retain their aesthetic quality over a long period of time. With a classic shape of discreet elegance. Luminaires for a host of lighting applications – indoors and outdoors.

We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

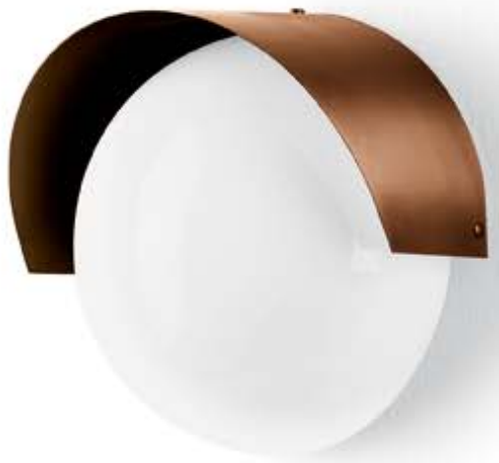
Luminaire luminous flux	370 to 660 lm
Connected wattage	7.0 to 12.0 W
Protection class	IP 44

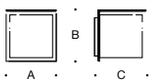
Hand-blown opal glass

31 311 · 31 312 Fitting made of cast aluminium, colour graphite · Shield made of copper

31 470 Fitting and shield made of copper

LED lamps with a colour temperature of 3000 K are included in the delivery





Wall luminaires · **square**

	LED lamp included		Base	A	B	C
31 311	1 × 8.0 W	540 lm	E 27	200	200	210
31 312	1 × 12.0 W	660 lm	E 27	250	250	265



Wall luminaire · **round**

	LED lamp included		Base	A	B	C
31 470	1 × 7.0 W	370 lm	E 27	245	235	140

Technical data for BEGA LED lamps can be found on Page 564.



Ceiling and wall luminaires

Ceiling and wall luminaires made of copper and crystal glass in various sizes.
The various dimensions and light outputs of the luminaires cover a host of lighting applications with the same luminaire series. Classic and yet at the same time modern, these luminaires are also effective design elements.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	385 to 985 lm
Connected wattage	5.0 to 9.2 W
Protection class	IP 64
Copper and brass Crystal glass, inside white The luminaires have stainless steel support points on the installation surface.	
Luminaires with LED module: on/off power supply units BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps with a colour temperature of 3000 K are included in the delivery	
20-year availability guarantee for LED modules	











Ceiling and wall luminaires · **With safety guard**

	LED		PSU	A	B	AC/DC
31 327	5.0 W	385 lm	on/off	220	130	✔
31 329	9.2 W	830 lm	on/off	280	155	✔
	LED lamp included		Base			
31 495	1 × 7.0 W	385 lm	E 27	220	130	—
31 497	1 × 8.0 W	570 lm	E 27	280	155	—

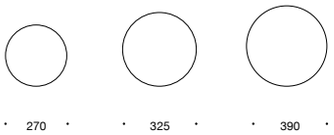


Ceiling and wall luminaires · **Unshielded** light

	LED		PSU	A	B	AC/DC
31 333	5.0 W	425 lm	on/off	220	120	✔
31 394	9.2 W	985 lm	on/off	280	145	✔
	LED lamp included		Base			
31 489	1 × 7.0 W	425 lm	E 27	220	120	—
31 491	1 × 8.0 W	610 lm	E 27	280	145	—

Technical data for BEGA LED lamps can be found on Page 564.





Ceiling and wall luminaires

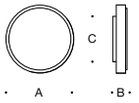
Ceiling and wall luminaires in different sizes for a host of lighting applications – both indoors and out.
These luminaires are characterised by the contrasting effect between the shield, the opal glass and the installation surface. Some of the light is emitted behind the shield and also illuminates the mounting surface. Depending on the colour of the installation surface, this creates an impressive light effect.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	885 to 2270 lm
Connected wattage	9.2 to 32.0 W
Protection class	IP 65
Copper Cast aluminium fittings, colour graphite hand-blown satin matt opal glass with bayonet closure	
on/off or DALI-controllable power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
20-year availability guarantee for LED modules	

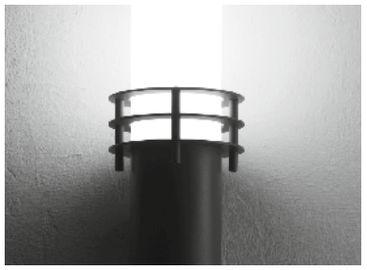


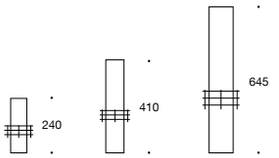


Ceiling and wall luminaires

	LED		PSU	A	B	C	AC/DC
31 041	9.2 W	885 lm	on/off	270	70	205	✔
31 042	16.7 W	1555 lm	DALI	325	90	250	✔
31 043	32.0 W	2270 lm	DALI	390	100	300	✔







Wall luminaires

Unshielded wall luminaires in various types of material and sizes. Luminaires for illuminating entrances, arcades and walkways. Clean lines and high-quality materials turn the luminaires into elements of architectural design that are both striking and long-lasting.

We supply the luminaires with built-in LED modules or with an E 14 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	225 to 1990 lm
Connected wattage	3.9 to 15.6 W
Protection class	IP 44

- Copper and brass
- Aluminium and stainless steel

Hand-blown opal glass with thread

Luminaires with LED module:
on/off power supply units
BEGA Thermal Management®

Colour temperature for LED modules
3000 K – article number + **K3**

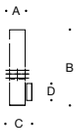
LED lamps with a colour temperature of 3000 K are included in the delivery

Luminaire colour · BEGA Unidure®
Graphite

20-year availability guarantee for LED modules

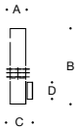






Wall luminaires made of **copper and brass**

	LED		PSU	A	B	C	D	AC/DC
31 093	4.1 W	225 lm	on/off	95	240	115	75	✔
31 094	3.9 W	380 lm	on/off	120	410	135	90	✔
31 095	15.6 W	1990 lm	on/off	160	645	170	110	✔
	LED lamp included		Base					
31 224	1 × 4.0 W	225 lm	E 14	95	240	115	75	—

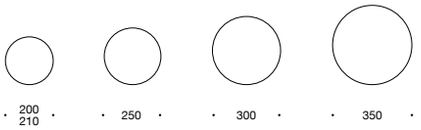


Wall luminaires made of **aluminium · Colour graphite**

	LED		PSU	A	B	C	D	AC/DC
31 068	4.1 W	230 lm	on/off	95	240	115	75	✔
31 074	3.9 W	380 lm	on/off	120	410	135	90	✔
31 075	15.6 W	1990 lm	on/off	160	645	165	110	✔
	LED lamp included		Base					
31 201	1 × 4.0 W	225 lm	E 14	95	240	115	75	—
31 203	1 × 4.0 W	255 lm	E 14	120	410	135	90	—

Technical data for BEGA LED lamps can be found on Page 564.





Ceiling, wall and pillar luminaires

Luminaires in the classic shape of a sphere for a wide variety of lighting applications. The hand-blown, three-ply opal glass is an excellent lighting material that distributes the light uniformly over the glass surface. Our opal glass has a high transparency level, is resistant to ageing, easy to clean and looks brilliant. If it is not vandalised, it can last indefinitely. Luminaires with a pleasantly soft light for a high degree of visual comfort.
There are matching corner blocks for installing these wall luminaires on the corner of a building. You can find technical information on our website in the instructions for use for all luminaires.

We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

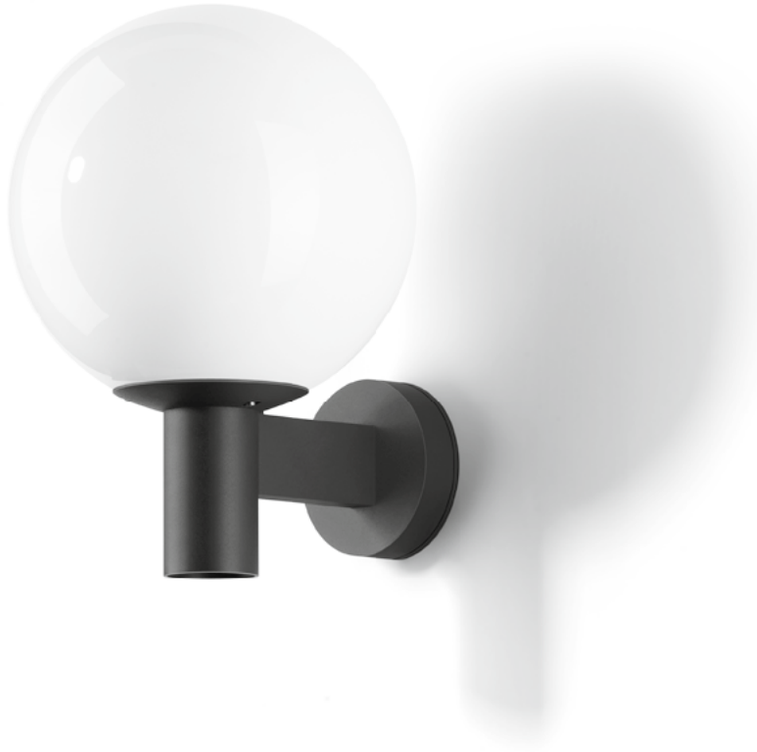
For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

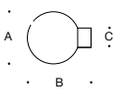
Luminaire data

Luminaire luminous flux	665 to 1205 lm
Connected wattage	7.0 to 12.0 W
Protection class	IP 44 · IP 65
Cast aluminium, aluminium and stainless steel Opal glass	
LED lamps colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	



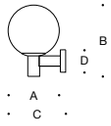






Ceiling, wall and pillar luminaires · IP 65

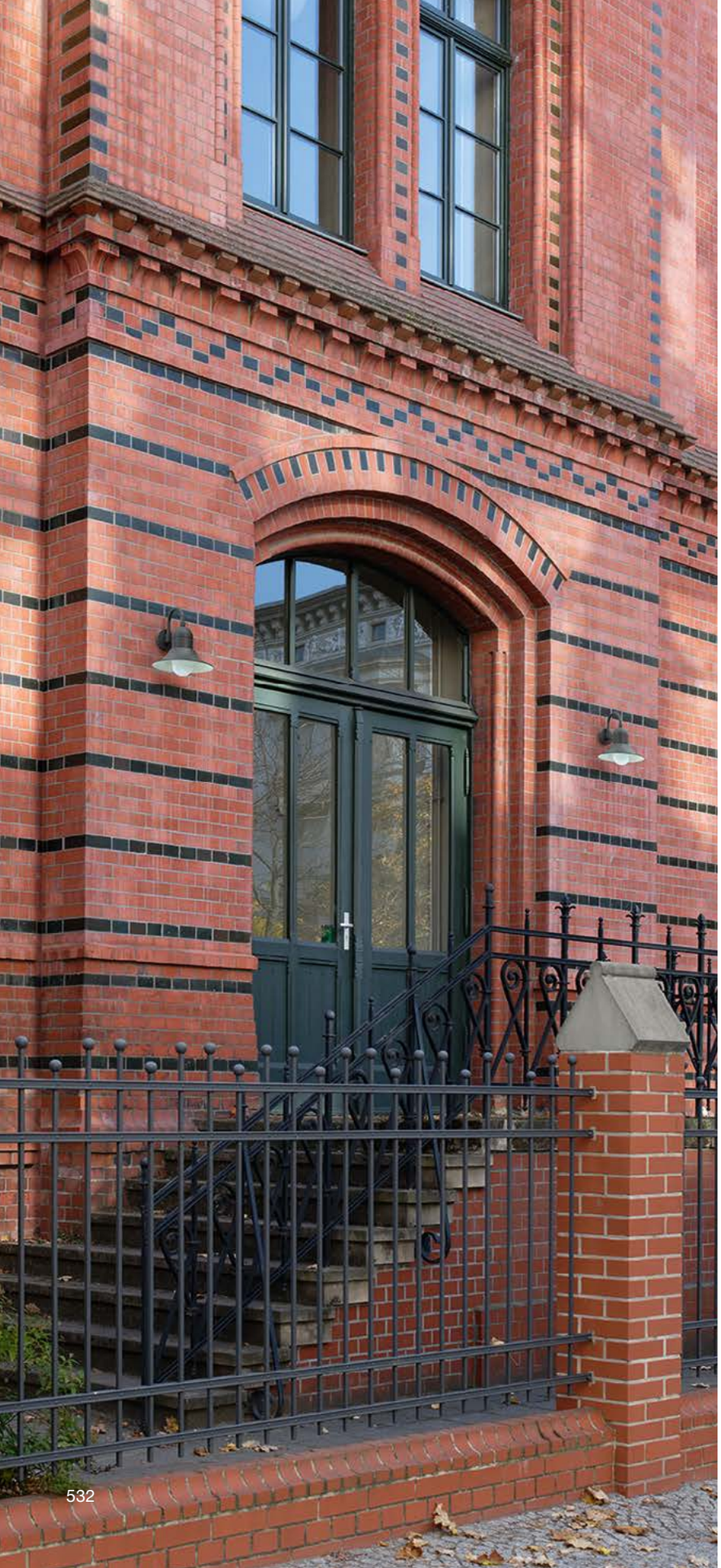
	LED lamp included		Base	A	B	C
44 568	1 × 7.0 W	690 lm	E 27	200	250	110
44 668	1 × 8.0 W	905 lm	E 27	250	310	110
44 769	1 × 12.0 W	1205 lm	E 27	300	350	120



Wall luminaires with wall arm · IP 44

	LED lamp included		Base	A	B	C	D
55 453	1 × 7.0 W	665 lm	E 27	210	300	240	110
55 454	1 × 8.0 W	905 lm	E 27	250	350	280	110
66 165	1 × 12.0 W	1160 lm	E 27	350	480	410	130

Technical data for BEGA LED lamps can be found on Page 564.





Wall luminaires

Long established as classics, for decades these luminaires have been used for all manner of lighting applications in buildings. The luminaires are inspired by traditional lanterns and today illuminate both stylish buildings and historical architecture. There are matching corner blocks for installing these wall luminaires on the corner of a building. You can find technical information on our website in the instructions for use for all luminaires.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

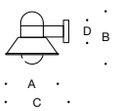
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	685 to 910 lm
Connected wattage	10.8 · 12.0 W
Protection class	IP 44
Cast aluminium, aluminium and stainless steel	
Opal glass with thread	
Luminaires with LED module: on/off power supply units BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

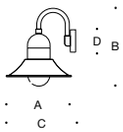






Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
66 410	10.8 W	830 lm	on/off	260	255	310	110	✔
	LED lamp included		Base					
66 290	1 × 12.0 W	685 lm	E 27	260	255	310	110	–



Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
66 411	10.8 W	910 lm	on/off	320	380	345	110	✔
	LED lamp included		Base					
66 491	1 × 12.0 W	810 lm	E 27	320	380	345	110	–

Technical data for BEGA LED lamps can be found on Page 564.





Wall luminaires

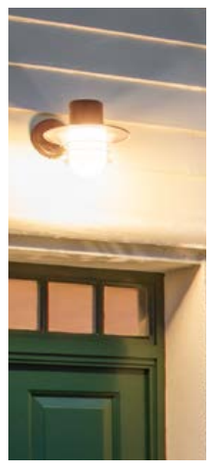
The shape of the lantern is unmatched in its diversity. Originally intended to illuminate houses and courtyards, the shape was clearly determined by function. Copper with its vivid surface accentuates the special character of these luminaires. Stylish light objects for houses and courtyards, alongside and above doors, and for a host of other lighting applications.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

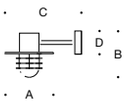
Luminaire data

Luminaire luminous flux	280 to 410 lm
Connected wattage	4.1 to 7.0 W
Protection class	IP 44
Copper and brass Hand-blown opal glass with thread Mounting plate made of stainless steel	
Luminaires with LED module: BEGA Ultimate Driver® Power supply units on/off BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps colour temperature 3000 K Included in the delivery	
20-year availability guarantee for LED modules	



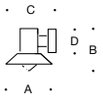






Wall luminaire

	LED		PSU	A	B	C	D	AC/DC
31 171	5.0 W	375 lm	on/off	235	225	370	110	✔



Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
31 058	4.1 W	305 lm	on/off	180	165	200	90	✔
31 060	5.0 W	410 lm	on/off	260	205	280	110	✔
	LED lamp included		Base					
31 263	1 × 7.0 W	280 lm	E 27	260	205	280	110	–

Technical data for BEGA LED lamps can be found on Page 564.



Wall luminaires · Garden luminaire

These luminaires create a pleasant lighting atmosphere with their shielded light. Arranged as single luminaires or in groups, they are stylish lighting elements for the illumination of houses and gardens, and anywhere else atmospheric light is desired.

These BEGA garden luminaires are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

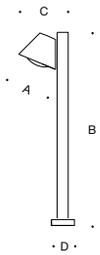
Luminaire luminous flux	255 · 420 lm
Connected wattage	7.0 · 12.0 W
Wall luminaires protection class	IP 44
Garden luminaire Protection class	IP 64
Cast aluminium, aluminium and stainless steel	
Hand-blown opal glass with thread	
LED lamps colour temperature 3000 K	
Included in the delivery	
Luminaire colour · BEGA Unidure®	
Graphite	





Wall luminaires

	LED lamp included		Base	A	B	C	D
31 035	1 × 7.0 W	255 lm	E 27	200	185	220	80
31 039	1 × 12.0 W	420 lm	E 27	260	245	275	110

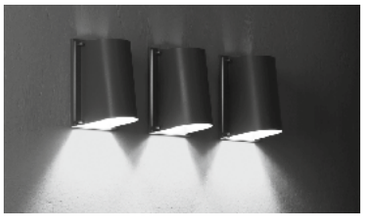


Garden luminaire

	LED lamp included		Base	Connection	A	B	C	D	Anch. unit
84 073	1 × 7.0 W	255 lm	E 27	Terminals 3 × 4□	200	1000	300	140	**70 895**

Technical data for BEGA LED lamps can be found on Page 564.





Garden luminaire · Wall luminaires

The light from the luminaires is shielded upwards and forwards by an aluminium shield, and directed onto the illuminated surface. A small slit of light highlights the contours of the luminaire.
The wall luminaires can be installed with the light emission either to the top or bottom. Whether arranged as single luminaires – around buildings – or as groups: These are stylish elements for illuminating houses, gardens and wherever else atmospheric lighting is required.

These BEGA garden luminaires are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit.
Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

We supply the luminaires with an E 14 or E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

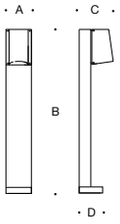
Luminaire luminous flux	60 to 105 lm
Connected wattage	4.0 · 7.0 W
Wall luminaires Protection class	IP 44
Garden luminaire Protection class	IP 64
Cast aluminium, aluminium and stainless steel	
Antique glass	
LED lamps colour temperature 3000 K	
Included in the delivery	
Luminaire colour · BEGA Unidure®	
Graphite	





Wall luminaires

	LED lamp included		Base	A	B	C
31 196	1 × 4.0 W	60 lm	E 14	135	185	120
31 197	1 × 7.0 W	105 lm	E 27	155	220	145



Garden luminaire

	LED lamp included		Base	Connection	A	B	C	D	Anch. unit
84 075	1 × 7.0 W	80 lm	E 27	Terminals 3 × 4□	160	1000	210	160	**70 895**

Technical data for BEGA LED lamps can be found on Page 564.





Bollards

Bollards with an optical cylindrical lens made of crystal glass.
The cylindrical lens with its special light emission characteristics can look back on a long tradition in marine lanterns and beacons. Bundling the light rays produces a fascinating and brilliant lighting atmosphere. Luminaires for a host of applications in the illumination of paths, flower-beds and terraces – not only in a maritime context.

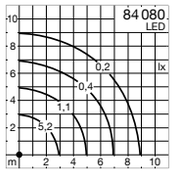
These BEGA bollards are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

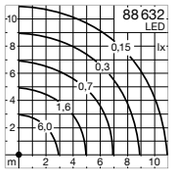
We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	750 · 900 lm
Connected wattage	8.0 · 12.0 W
Protection class	IP 55
Cast aluminium, aluminium and stainless steel	
Cylindrical lens made of crystal glass	
LED lamps colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure®	
Graphite	









Bollards

	LED lamp included		Base	Connection	A	B	Anch. unit
84 080	1 × 8,0 W	750 lm	E 27	Terminals 3 × 4□	140	800	**70 894**
88 632	1 × 12,0 W	900 lm	E 27	70 632	165	1000	**70 895**

Technical data for BEGA LED lamps can be found on Page 564.





Bollard
Shielded light

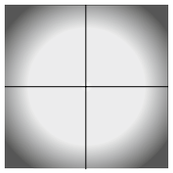
Robust bollard with rotationally symmetrical, shielded light.
The light is deflected by a reflector and directed onto the surfaces to be illuminated with rotational symmetry and free of glare. A luminaire for the wide-area illumination of footpaths, entrance areas and driveways in private and public areas.

This BEGA bollard is equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

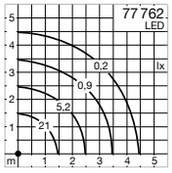
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	425 lm
Connected wattage	13.6 W
Protection class	IP 65
Cast aluminium, aluminium and stainless steel	
Borosilicate glass	
Reflector made of pure anodised aluminium	
on/off power supply units	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



Light emission 360°





Bollard

	LED		PSU	Connection box	A	B	C	AC/DC	Anch. unit
77 762	13,6 W	425 lm	on/off	70 632	165	860	220	✔	**70 896**





This luminaire series comprises wall luminaires, pendant luminaires and garden luminaires.
Shielded luminaires made of copper and hand-blown, three-ply opal glass in different sizes. These durable and aesthetically pleasing luminaires create a pleasant atmosphere with their soft light.
Whether arranged as single luminaires – around buildings – or as groups:
These luminaires are stylish elements for illuminating houses, gardens and wherever else atmospheric lighting is required.
Copper has a long and rich tradition, which we have continued in these luminaires. Copper forms its own protective coating over time, and gradually develops its distinctive character through the resulting patina.

Wall luminaires are fixed to the mounting surface with a stainless steel mounting plate.

These BEGA garden luminaires are equipped with an alignable mounting system. It can either be bolted onto a foundation provided by the customer, or onto a BEGA anchorage unit. Please order the anchorage unit as separate accessory. Additional information on BEGA anchorage units can be found on Page 583.

We supply the luminaires with an E 14 or E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	140 to 350 lm
Connected wattage	4.0 to 8.0 W
Wall luminaires and garden luminaires Protection class	IP 44
Pendant luminaires Protection class	IP 20

Copper, brass and cast brass
Hand-blown opal glass with thread
84 074 Crystal bubble glass with thread
Pendant luminaire with cable pendant
Colour black
Garden luminaires with base plate made of cast bronze

LED lamps colour temperature 3000 K
Included in the delivery



Garden luminaires

	LED lamp included		Base	A	B	C	Anch. unit
84 071	1 × 4,0 W	205 lm	E 14	220	950	130	**70 894**
84 074	1 × 7,0 W	350 lm	E 27	300	1000	150	**70 895**


Garden luminaires

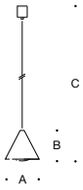

Wall luminaires


Pendant luminaire



Wall luminaires

	LED lamp included		Base	A	B	C	D
31 472	1 × 7.0 W	140 lm	E 27	210	185	245	110
31 473	1 × 8.0 W	190 lm	E 27	250	225	285	110



Pendant luminaire · **Protection class IP 20**

	LED lamp included		Base	A	B	C
31 073	1 × 8.0 W	220 lm	E 27	250	225	1500



Garden luminaire

	LED lamp included		Base	A	B	C	Anch. unit
84 072	1 × 7.0 W	250 lm	E 27	280	1000	150	**70 895**

Technical data for BEGA LED lamps can be found on Page 564.


84 071
84 074


84 072





Pillar luminaire

Wall luminaires · Pillar luminaires · Pole-top luminaire

A luminaire series comprising wall luminaires, pillar luminaires and a pole-top luminaire.
Luminaires with an appearance defined by handcrafted production. Copper, cast brass and hand-blown crystal bubble glass lend these durable luminaires their very own distinctive charm.
Whether arranged as single luminaires – around buildings – or as groups: They are stylish light elements for illuminating the house and garden.

Wall luminaires and pillar luminaires are fixed to the mounting surface with a stainless steel mounting plate.

In the table, we recommend poles made of copper with a base plate made of cast bronze, which match the design and statics of the pole-top luminaires in this series. You can find the complete overview as well as the technical data of all luminaire poles, anchorage units and connection boxes on Pages 583 to 593.

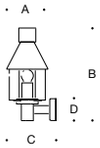
We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	850 · 965 lm
Connected wattage	12.0 W
Protection class	IP 23
Copper, cast brass and brass Pillar luminaires with base plate made of cast bronze Hand-blown crystal bubble glass	
LED lamps colour temperature 3000 K Included in the delivery	





Wall luminaires

	LED lamp included		Base	A	B	C	D
31 441	1 × 12.0 W	850 lm	E 27	210	450	240	110
31 323	1 × 12.0 W	965 lm	E 27	250	530	285	110



Pillar luminaires

	LED lamp included		Base	A	B	C
31 570	1 × 12.0 W	850 lm	E 27	210	520	130
31 623	1 × 12.0 W	965 lm	E 27	250	710	150



Pole-top luminaire

	LED lamp included		Base	A	B
84 032	1 × 12.0 W	850 lm	E 27	210	390

Luminaire poles

Pole heights	Top	Group
1700 - 2000	Ø 60	40

Technical data for BEGA LED lamps can be found on Page 564.



Wall luminaires

Wall luminaires made of copper, cast brass and brilliant crystal glass.
Handcrafted luminaires which fascinate by their high-quality materials and timeless beauty.
Whether arranged as single luminaires – around buildings – or as groups: They are stylish light elements for illuminating the house and garden.

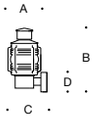
We supply the luminaires with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

For planning and installation, please refer to the technical planning data in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	800 to 925 lm
Connected wattage	8.0 · 12.0 W
Protection class	IP 44
31 019 Copper · Brass guard Cylindrical lens made of crystal glass Mounting plate made of stainless steel	
31 382 · 31 406 Copper, cast brass and brass Hand-blown crystal bubble glass Mounting plate made of stainless steel	
LED lamps colour temperature 3000 K Included in the delivery	

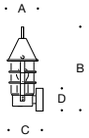




Wall luminaire

	LED lamp included		Base	A	B	C	D
31 019	1 × 12.0 W	840 lm	E 27	180	345	210	110





Wall luminaires

	LED lamp included		Base	A	B	C	D
31 382	1 × 8.0 W	800 lm	E 27	155	415	175	110
31 406	1 × 12.0 W	925 lm	E 27	210	520	240	110

Technical data for BEGA LED lamps can be found on Page 564.



Wall mounting with BEGA corner block

» Copenhagen «
Wall luminaires · Pillar luminaires · Pole-top luminaires

Stylish luminaires which will impress you by their combination of materials, high-quality workmanship and modern lighting technology. Wall luminaires, pillar luminaires and pole-top luminaires in various sizes and light outputs, either with LED or for lamps with screw base E 27.

Suitable corner blocks are available for installing these wall luminaires on the corner of a house.
You can find technical information on our website in the instructions for use for all luminaires.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

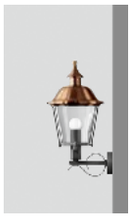
Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.



The LED luminaires in this series are available with an inside globe made of opal glass. The light from the LED is pleasantly and uniformly distributed by the opal glass.

Luminaire data

Luminaire luminous flux	405 to 1215 lm
Connected wattage	5.0 to 14.3 W
Protection class	IP 23
84 043 Protection class	IP 65
Luminaire top made of copper Fitting made of cast aluminium and aluminium Hand-blown crystal glass	
Luminaires with LED module: on/off power supply units BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps colour temperature 3000 K Included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



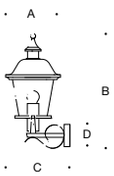
Wall luminaires
31 078 · 31 369

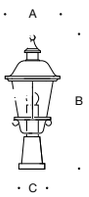


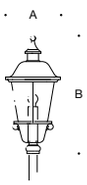
Wall luminaire
31 085



Pillar luminaires
31 805 · 31 806
31 657







Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
31 078	5.0 W	405 lm	on/off	275	570	320	110	✔
31 085	14.3 W	800 lm	on/off	360	840	525	130	✔
	LED lamp included		Base					
31 369	1 × 12.0 W	1075 lm	E 27	275	570	320	110	—

Pillar luminaires

	LED		PSU	A	B	C	AC/DC
31 805	5.0 W	405 lm	on/off	275	670	130	✔
31 806	14.3 W	800 lm	on/off	360	1030	150	✔
	LED lamp included		Base				
31 657	1 × 12.0 W	1075 lm	E 27	275	670	130	—

Pole-top luminaires

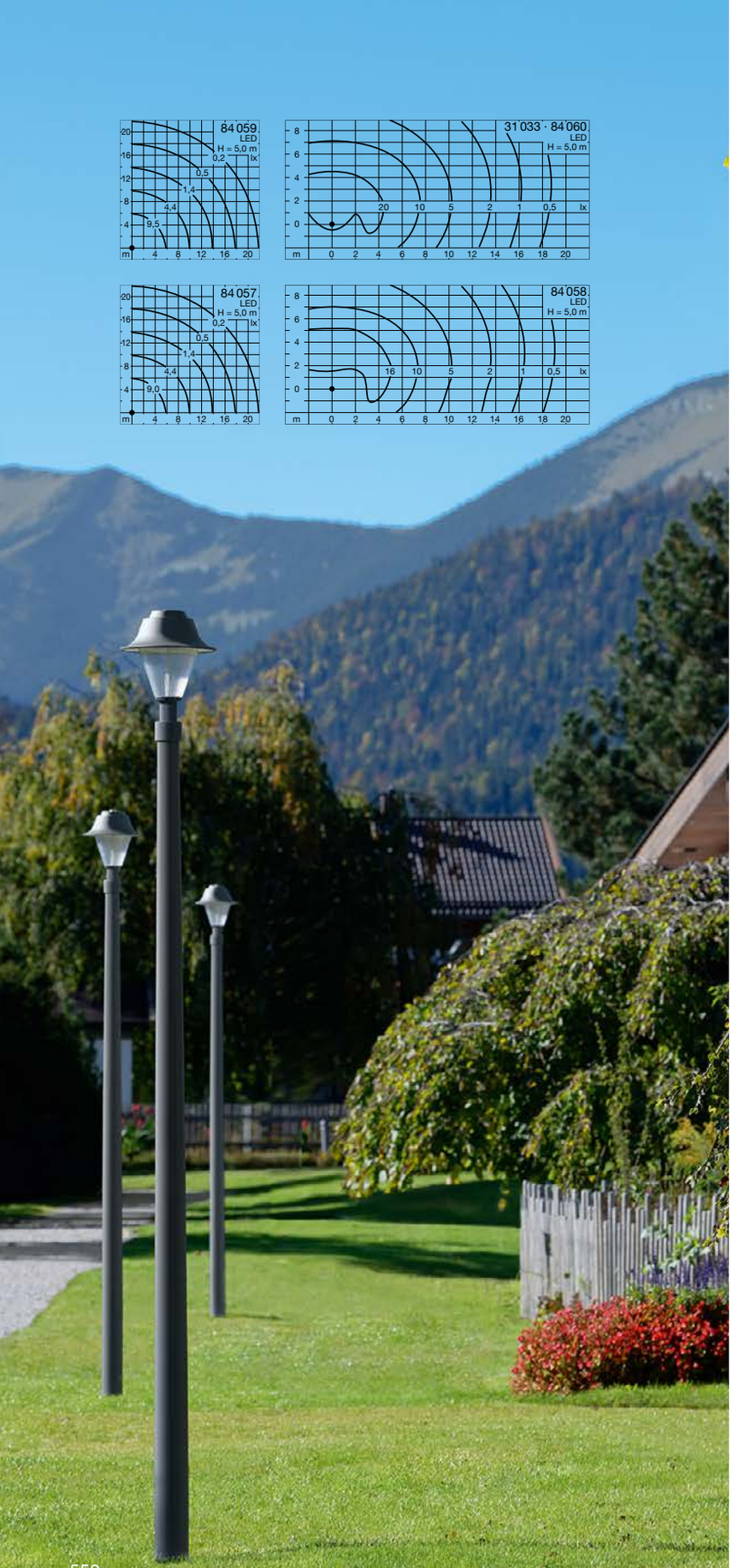
	LED		PSU	A	B	AC/DC
84 041	5.0 W	405 lm	on/off	275	500	✔
84 042	14.3 W	800 lm	on/off	360	750	✔
84 043	13.6 W	1215 lm	on/off	510	1150	✔
	LED lamp included		Base			
84 044	1 × 12.0 W	1075 lm	E 27	275	500	—

Luminaire poles

Pole heights	Top	Groups
2000	Ø 60	11 · 31
2500	Ø 60	14 · 34
3000 - 3500	Ø 76	14 · 34
2000	Ø 60	11 · 31

Technical data for BEGA LED lamps can be found on Page 564.







»Schaffhausen«
Wall luminaire · Pole-top luminaires

Stylish luminaires with symmetrical or asymmetrical light distribution.
Luminaires with tube bows for installation on walls or as pole-top luminaires.
We also supply pole-top luminaires from the “Schaffhausen” series with tube bows or for central installation on a pole.
These can be used to illuminate streets and pedestrian zones in city centres, residential areas and parks.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series.
You can find the complete overview as well as the technical data of all luminaire poles, anchorage units and connection boxes on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

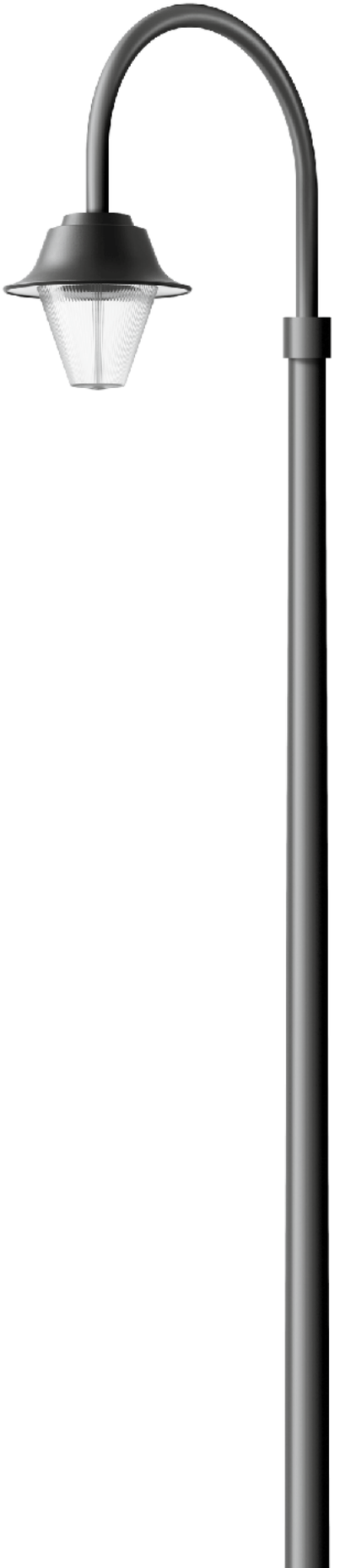
Luminaire luminous flux	4350 to 4740 lm
Connected wattage	38.5 W
Protection class	IP 65
Aluminium, cast aluminium and stainless steel	
Clear synthetic cover	
Wall luminaires: Mounting plate made of stainless steel	
Reflector made of pure anodised aluminium	
BEGA Ultimate Driver® · DALI-controllable	
BEGA Thermal Management®	
LED colour temperature 3000 K – article number + **K3**	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

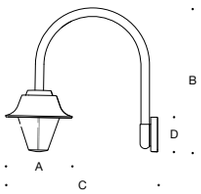


Wall luminaire



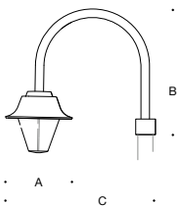
Pole-top luminaires





Wall luminaire **with tube bow**

		LED		PSU	A	B	C	D	AC/DC
31 033	**Asymmetrical**	38.5 W	4740 lm	DALI	Ø330	710	760	Ø170	✔

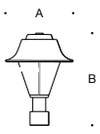


Pole-top luminaires **with tube bow**

		LED		PSU	A	B	C	AC/DC
84 059	**Symmetrical**	38.5 W	4580 lm	DALI	Ø330	710	740	✔
84 060	**Asymmetrical**	38.5 W	4740 lm	DALI	Ø330	710	740	✔

Luminaire poles

Pole heights	Top	Groups	
3500 - 5000	Ø76	13 · 14	33 · 34
3500 - 5000	Ø76	13 · 14	33 · 34



Pole-top luminaires

		LED		PSU	A	B	AC/DC
84 057	**Symmetrical**	38.5 W	4350 lm	DALI	Ø330	450	✔
84 058	**Asymmetrical**	38.5 W	4470 lm	DALI	Ø330	450	✔

Luminaire poles

Pole heights	Top	Groups	
3500 - 5000	Ø76	13 · 14	33 · 34
3500 - 5000	Ø76	13 · 14	33 · 34





The LED luminaires in this series are available with an inside globe made of opal glass.
The light from the LED is pleasantly and uniformly distributed by the opal glass.

“Strasbourg”
Wall luminaires · Pillar luminaires · Pole-top luminaires

Stylish luminaires which impress by their high-quality materials and workmanship. Wall luminaires with various overhangs and pillar luminaires as well as pole-top luminaires in various sizes.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	335 to 1005 lm
Connected wattage	7.0 to 14.3 W
Protection class 84 046 Protection class	IP 44 IP 65
Cast aluminium and stainless steel Crystal bubble glass 31 430 with antique glass panes	
Luminaires with LED module: on/off power supply unit BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps with a colour temperature of 3000 K are included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



Wall luminaire
31 430



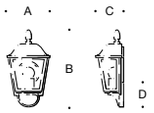
Wall luminaire
31 426

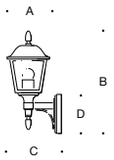


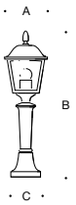
Wall luminaire
31 428



Pillar luminaire
31 552









Wall luminaire **for near-wall installation**

	LED lamp included	Base	A	B	C	D
31 430	1 × 7.0 W 335 lm	E 27	215	375	140	110

Wall luminaires **with wall arm**

	LED lamp included	Base	A	B	C	D
31 426	1 × 7.0 W 360 lm	E 27	170	360	230	110
31 428	1 × 7.0 W 460 lm	E 27	215	515	275	110

Pillar luminaire

	LED lamp included	Base	A	B	C
31 552	1 × 7.0 W 460 lm	E 27	215	730	150

Pole-top luminaires

	LED	PSU	A	B	AC/DC
84 045	14.3 W 585 lm	on/off	260	555	✔
84 046	13.6 W 1005 lm	on/off	400	840	✔
	LED lamp included	Base			
84 047	1 × 7.0 W 460 lm	E 27	215	430	—

Luminaire poles

Pole heights	Top	Groups
2000	Ø 60	47
2500 - 3000	Ø 76	44 · 47
2000	Ø 60	47

Technical data for BEGA LED lamps can be found on Page 564.









The LED luminaires in this series are available with an inside globe made of opal glass. The light from the LED is pleasantly and uniformly distributed by the opal glass.

“Bruges”
Wall luminaires · Pillar luminaire
Pole-top luminaires

Stylish luminaires which impress by their high-quality materials and workmanship. Wall luminaires with various overhangs and pillar luminaires as well as pole-top luminaires in various sizes.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	370 to 805 lm
Connected wattage	7.0 to 14.3 W
Protection class	IP 44
Aluminium, cast aluminium and stainless steel 31 415 · 31 559 · 84 050 Crystal bubble glass 31 435 · 84 048 · 84 049 Antique glass panes	
Luminaires with LED module: on/off power supply unit BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps with a colour temperature of 3000 K are included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	

Fig. left: Also available with opal glass as custom-made product



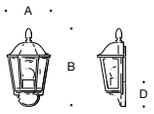
Wall luminaire
31 435

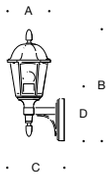


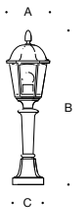
Wall luminaire
31 415



Pillar luminaire
31 559









Wall luminaire **for near-wall installation**

	LED lamp included		Base	A	B	C	D
31 435	1 × 7.0 W	370 lm	E 27	215	375	130	110

Wall luminaire **with wall arm**

	LED lamp included		Base	A	B	C	D
31 415	1 × 7.0 W	475 lm	E 27	210	540	270	110

Pillar luminaire

	LED lamp included		Base	A	B	C
31 559	1 × 7.0 W	475 lm	E 27	210	750	150

Pole-top luminaires

	LED		PSU	A	B	AC/DC
84 048	14.3 W	565 lm	on/off	280	585	✔
84 049	13.6 W	805 lm	on/off	430	895	✔
	LED lamp included		Base			
84 050	1 × 7.0 W	475 lm	E 27	210	445	—

Luminaire poles

Pole heights	Top	Groups
2000	Ø 60	47 · 48
3000 - 3500	Ø 76	47 · 48
2000	Ø 60	47 · 48

Technical data for BEGA LED lamps can be found on Page 564.





“Rome”
Wall luminaires · Pillar luminaires · Pole-top luminaires

Stylish luminaires which impress by their high-quality materials and workmanship and their modern lighting technology. Wall luminaires and pillar luminaires as well as pole-top luminaires in various sizes.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.



The LED luminaires in this series are available with an inside globe made of opal glass. The light from the LED is pleasantly and uniformly distributed by the opal glass.

Luminaire data

Luminaire luminous flux	440 to 930 lm
Connected wattage	7.0 to 14.3 W
Protection class	IP 23
31 431 · 31 553 · 84 052 Protection class	IP 44
Aluminium, cast aluminium and stainless steel 31 431 · 31 553 Hand-blown crystal bubble glass 31 025 · 31 026 · 84 051 Antique glass panes 84 052 Antique safety glass (TSG)	
Luminaires with LED module: on/off power supply unit BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps with a colour temperature of 3000 K are included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



Wall luminaire
31 431



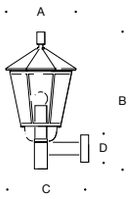
Wall luminaire
31 025

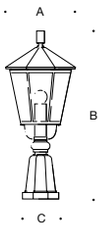


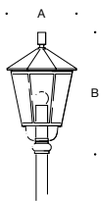
Pillar luminaire
31 553



Pillar luminaire
31 026







Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
31 025	14.3 W	610 lm	on/off	340	670	400	130	✔
	LED lamp included		Base					
31 431	1 × 7.0 W	440 lm	E 27	210	390	260	110	—

Pillar luminaires

	LED		PSU	A	B	C	AC/DC
31 026	14.3 W	610 lm	on/off	340	830	180	✔
	LED lamp included		Base				
31 553	1 × 7.0 W	440 lm	E 27	210	510	130	—

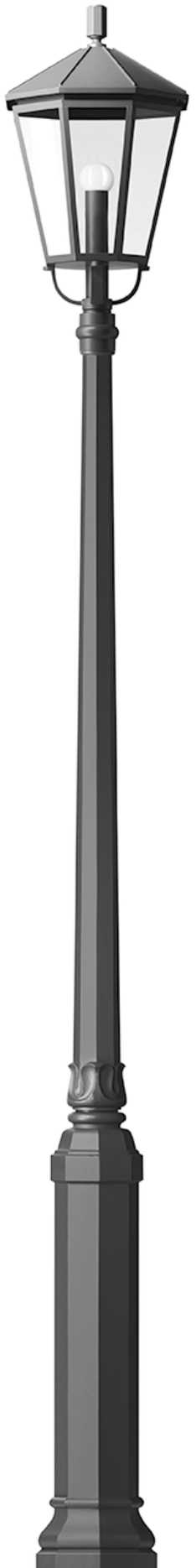
Pole-top luminaires

	LED		PSU	A	B	AC/DC
84 051	14.3 W	610 lm	on/off	340	600	✔
84 052	13.6 W	930 lm	on/off	470	900	✔

Luminaire poles

Pole heights	Top	Group
2000	Ø 60	48
3500	Ø 76	48

Technical data for BEGA LED lamps can be found on Page 564.









The LED luminaires in this series are available with an inside globe made of opal glass. The light from the LED is pleasantly and uniformly distributed by the opal glass.

“Berlin”
Wall luminaires · Pillar luminaires
Pole-top luminaires

Stylish wall luminaires, pillar luminaires and pole-top luminaires boasting high-quality materials and workmanship, and modern lighting technology.

We supply the luminaires with built-in LED modules or with an E 27 screw base, complete with the number of corresponding LED lamps shown in the table.

In the table, we recommend BEGA luminaire poles whose finish and colour as well as design and statics match the pole-top luminaires in this series. You can find the complete overview and technical data for all BEGA luminaire poles, connection boxes and anchorage units on Pages 583 to 593.

Please refer to the technical planning data for planning and installation. The current values for LED service life, luminous flux, maximum ambient temperature and information on BEGA Thermal Management® are available at all times in the instructions for use and data sheets on our website.

Luminaire data

Luminaire luminous flux	355 to 980 lm
Connected wattage	5.0 to 14.3 W
Protection class 84 055 Protection class	IP 23 IP 44
Aluminium, cast aluminium and stainless steel Antique glass panes	
Luminaires with LED module: on/off power supply unit BEGA Thermal Management®	
Colour temperature for LED modules 3000 K – article number + **K3**	
LED lamps with a colour temperature of 3000 K are included in the delivery	
Luminaire colour · BEGA Unidure® Graphite	
20-year availability guarantee for LED modules	



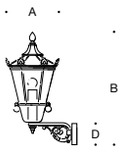
Wall luminaires
31 027 · 31 028
31 410

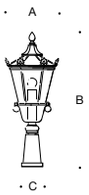


Pillar luminaires
31 030 · 31 688



Pillar luminaire
31 031







Wall luminaires

	LED		PSU	A	B	C	D	AC/DC
31 027	5.0 W	355 lm	on/off	260	565	320	110	✔
31 028	14.3 W	695 lm	on/off	365	800	480	150	✔
	LED lamp included		Base					
31 410	1 × 12.0 W	650 lm	E 27	260	565	320	110	—

Pillar luminaires

	LED		PSU	A	B	C	AC/DC
31 030	5.0 W	355 lm	on/off	260	640	130	✔
31 031	14.3 W	695 lm	on/off	365	950	150	✔
	LED lamp included		Base				
31 688	1 × 12.0 W	650 lm	E 27	260	640	130	—

Pole-top luminaires

	LED		PSU	A	B	AC/DC
84 053	5.0 W	355 lm	on/off	260	510	✔
84 054	14.3 W	695 lm	on/off	365	710	✔
84 055	13.6 W	980 lm	on/off	525	1070	✔
	LED lamp included		Base			
84 056	1 × 12.0 W	650 lm	E 27	260	510	—

Luminaire poles

Pole heights	Top	Groups
2000	Ø 60	47 · 49
3000 - 3500	Ø 60	47
3000 - 3500	Ø 76	47
2000	Ø 60	47 · 49

Technical data for BEGA LED lamps can be found on Page 564.





BEGA accessories

On the following pages you will find suitable accessories and useful installation aids for operating, connecting and installing our luminaires.

All components are specially designed to match our luminaires and take account of many different installation situations. They enable technically perfect installation in ceilings, walls and floors, as well as mounting on foundations provided by the customer and other special requirements.

The power supply units, plug connectors, transformers and overvoltage protection units are the ideal accessories for operating our luminaires.



LED Lamps

Some of our luminaires are equipped with a conventional G 9, E 14 or E 27 base.
We supply the luminaires complete with the number of corresponding LED lamps shown in the table. All LED lamps on this double page can also be ordered separately.
These pages provide an overview of our LED lamps in switchable and dimmable versions.
LED lamps consume significantly less energy than conventional lamps, have a considerably longer life, and have much lower operating costs. They also have no power-up delay and are insensitive to frequent switching on and off.
BEGA LED lamps boast an average service life of 15.000 hours and are available with a light colour of either 2700 Kelvin or 3000 Kelvin.
Our LED lamps are also available in radio-controlled versions. They use the Zigbee standard and are also available with tunable white or RGB W functions.
The data quoted in the table may change as a result of technical progress.
Information concerning the current values is always provided in the data sheets on our website.
If the Zigbee 3.0 radio-controlled LED lamp is intended for outdoor use, the luminaire should be rated at least IP 65.





Clear



LED lamp for **G 9 base · 2700 K**

	LED			Dimmable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 598	4.0 W	390 lm	Clear	Yes	2700 K	> 80	15 000 h	> 7500 x	- 20 to + 65 °C	F	19	62

LED lamp for **G 9 base · 3000 K**

	LED			Dimmable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 597	4.0 W	400 lm	Clear	Yes	3000 K	> 80	15 000 h	> 7500 x	- 20 to + 65 °C	F	19	62





Clear



Matt



LED lamps for screw base **E 14 · 2700 K**

	LED			Dimmable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 549	4.0 W	470 lm	Clear	No	2700 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	E	35	98
13 553	5.0 W	470 lm	Clear	Yes	2700 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	F	35	120
13 552	4.0 W	470 lm	Matt	No	2700 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	E	35	98
13 554	5.0 W	470 lm	Matt	Yes	2700 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	F	35	120

LED lamps for screw base **E 14 · 3000 K**

	LED			Dimmable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 593	4.0 W	470 lm	Clear	No	3000 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	E	35	98
13 595	4.5 W	470 lm	Clear	Yes	3000 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	F	35	120
13 594	4.0 W	470 lm	Matt	No	3000 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	E	35	98
13 596	4.5 W	470 lm	Matt	Yes	3000 K	> 80	15 000 h	> 100 000 x	- 20 to + 40 °C	F	35	120

LED lamps for screw base **E 14 · Zigbee**

	LED			Controllable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 558	5.3 W	470 lm	Matt	Yes	2700 K	> 80	25 000 h	> 30 000 x	- 20 to + 40 °C	F	38	110
13 559	5.8 W	470 lm	Matt	Yes · TW	2700 - 6500 K	> 80	25 000 h	> 30 000 x	- 20 to + 40 °C	G	38	110

* EEC = Energy Efficiency Class on a scale from A - G in accordance with the "Commission Delegated Regulation (EU) 2019/2015".
The complete energy labels and product data sheets are available for download from the respective product pages on our website.





Clear



Matt



LED lamps for screw base **E 27 · 2700 K**

	LED			Dimmable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 509	7.0 W	805 lm	Clear	No	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 511	8.0 W	1055 lm	Clear	No	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	67	118
13 562	12.0 W	1520 lm	Clear	No	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125
13 547	7.0 W	805 lm	Clear	Yes	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 563	12.0 W	1520 lm	Clear	Yes	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125
13 510	7.0 W	805 lm	Matt	No	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 512	8.0 W	1055 lm	Matt	No	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	67	118
13 564	12.0 W	1400 lm	Matt	No	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125
13 548	7.0 W	805 lm	Matt	Yes	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 565	12.0 W	1400 lm	Matt	Yes	2700 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125

LED lamps for screw base **E 27 · 3000 K**

	LED			Dimmable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 583	7.0 W	805 lm	Clear	No	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 587	8.0 W	1055 lm	Clear	No	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	67	118
13 589	12.0 W	1520 lm	Clear	No	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125
13 585	7.0 W	805 lm	Clear	Yes	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 591	12.0 W	1520 lm	Clear	Yes	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125
13 584	7.0 W	805 lm	Matt	No	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 588	8.0 W	1055 lm	Matt	No	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	67	118
13 590	12.0 W	1400 lm	Matt	No	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125
13 586	7.0 W	805 lm	Matt	Yes	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	60	105
13 592	12.0 W	1400 lm	Matt	Yes	3000 K	> 80	15 000 h	> 100 000 x	– 20 bis + 40 °C	E	70	125

LED lamps for screw base **E 27 · Zigbee**

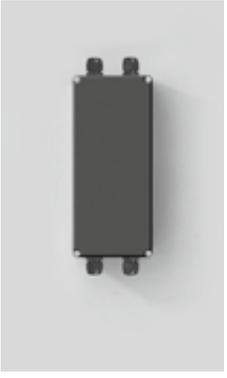
	LED			Controllable	Colour temperature	CRI	Service life	Switching cycles	Ambient temperature	EEC*	A	B
13 555	9.0 W	805 lm	Matt	Yes	2700 K	> 80	25 000 h	> 30 000 x	– 20 bis + 40 °C	F	60	120
13 556	9.0 W	805 lm	Matt	Yes · TW	2700 - 6500 K	> 80	25 000 h	> 30 000 x	– 20 bis + 40 °C	F	60	120
13 557	9.5 W	805 lm	Matt	Yes · TW · RGBW	2700 - 6500 K	> 80	25 000 h	> 30 000 x	– 20 bis + 40 °C	F	60	120

* EEC = Energy Efficiency Class on a scale from A - G in accordance with the “Commission Delegated Regulation (EU) 2019/2015”.
The complete energy labels and product data sheets are available for download from the respective product pages on our website.



BEGA power supply units for LED luminaires 24 V DC

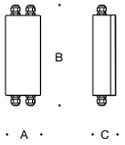
Some LED luminaires in our range are supplied without a power supply unit. The corresponding power supply units for these luminaires can be found as an accessory on this page.
Several luminaires can be connected to BEGA power supply units with 24 V DC output voltage.
Please note the maximum output of the power supply unit and the maximum cable length due to the drop in voltage.
You can find the complete technical data for the power supply units in the instructions for use on our website. The installation and operation of these power supply units are subject to national safety regulations.



Electronic power supply unit · 24 V DC · **1 to 42 W**

Input voltage: AC: 110 - 264 V~ 50 - 60 Hz
DC: 170 - 280 V
Output voltage: 24 V DC
Protection class IP 65
Cast aluminium, aluminium and stainless steel

Please note:
This electronic power supply unit is not suitable for the operation of recessed luminaires for swimming pools.

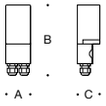


		Output	A	B	C
70 114	PSU 24 V DC	1 - 42 W	105	240	70



Magnetic power supply units · 24 V DC · **5 to 35 W**

Safety transformers
in accordance with EN 61558/VDE 0570 Parts 2 - 6
Input voltage: 230 V~ 50 - 60 Hz
Output voltage: 24 V DC
Protection class IP 65 · Safety class II
Version encapsulated in cast resin

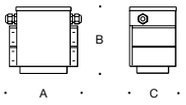


		Output	A	B	C
70 564	PSU 24 V DC	5 - 15 W	55	215	50
70 465	PSU 24 V DC	10 - 25 W	55	215	50
70 565	PSU 24 V DC	20 - 35 W	55	215	50



Magnetic power supply units · 24 V DC · **30 to 150 W**

Safety transformers
in accordance with EN 61558/VDE 0570 Parts 2 - 6
Input voltage: 230 V~ 50 - 60 Hz
Output voltage: 24 V DC
Protection class IP 65 · Safety class II
Version encapsulated in cast resin



		Output	A	B	C
70 566	PSU 24 V DC	30 - 50 W	155	130	90
70 567	PSU 24 V DC	40 - 75 W	155	130	90
70 169	PSU 24 V DC	70 - 150 W	185	175	110



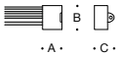
BEGA overvoltage protection and inrush current limiter

Overvoltage poses an increased risk for LED luminaires.
Overvoltage damage can include complete or partial failure of the LED modules, loss of brightness or failure of the electronic components.
Overvoltage events have a negative impact on the service life of LED luminaires, even if they remain operational.
To protect your LED lighting system, we recommend the use of overvoltage protection components and inrush current limiters for various applications.



Overvoltage protection
for single-phase end devices (on/off power supply unit)

CITEL overvoltage protection type 2 + 3
(in accordance with EN 61643-11) for the protection of single-phase end devices (on/off power supply unit).
For installation in luminaires or connection boxes



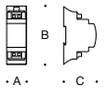
		A	B	C
71 045	Overvoltage protection	30	37	30



Inrush current limiter

Limits the starting current of electronic ballasts and LED drivers to 33.9 A for 300 ms, an acceptable value for circuit protection.

For DIN rail mounting



		A	B	C
71 039	Inrush current limiter	37	110	62



Overvoltage protection
for single-phase end devices (on/off power supply unit)

CITEL overvoltage protection type 2 + 3
(in accordance with EN 61643-11) for the protection of single-phase end devices (on/off power supply unit).
For DIN rail mounting

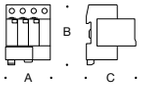


		A	B	C
71 048	Overvoltage protection	18	90	58



Overvoltage protection
for 3-phase end devices

CITEL overvoltage protection type 1 + 2 + 3
(in accordance with EN 61643-11) for the protection of 3-phase end devices for application in TT and TNS low voltage networks.
For DIN rail mounting



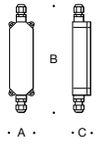
		A	B	C
71 049	Overvoltage protection	72	100	80



Overvoltage protection
for single-phase end devices (on/off power supply unit)

CITEL overvoltage protection type 2 + 3
(in accordance with EN 61643-11) for the protection of single-phase end devices (on/off power supply unit).
For installation in luminaire poles, bollards and suspended ceilings as well as for all types of installation outside of luminaires or luminaire groups.

Housing made of glass fibre reinforced synthetic material



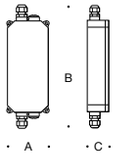
		A	B	C
71 046	Overvoltage protection	55	250	45



Overvoltage protection
for LED luminaires with 1-10 V or DALI interfaces

CITEL overvoltage protection type 2 + 3
(in accordance with EN 61643-11) for the protection of LED luminaires with 1-10 V or DALI interface.
For installation in luminaire poles, bollards and suspended ceilings, as well as for all types of installation outside of luminaires or luminaire groups.

Housing made of glass fibre reinforced synthetic material



		A	B	C
71 047	Overvoltage protection	90	270	45



DALI system components

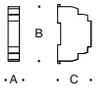
DALI system components are based on the EN 62 386 standard. Simple and convenient light control is the primary focus of all these components. Outdoor luminaires close to the building can also be controlled with DALI.
You can find the complete technical data for all DALI system components in the data sheets on our website.



DALI power supply

For the power supply of DALI devices up to a maximum of 250 mA on a DALI line.

For DIN rail mounting



		A	B	C
70 866	DALI power supply	18	98	56



DALI power supply

For the power supply of DALI operating devices on a DALI line with up to 15 DALI operating devices.

For installation in switching and cavity boxes



		A	B	C
71 094	DALI power supply 30 mA	33	60	15



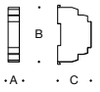
DALI USB interface

For connecting the DALI line to a Windows PC.

Configuration is performed using the DALI Cockpit software (free download from our website).

Mini USB

For DIN rail mounting



		A	B	C
71 054	DALI USB interface	18	98	57



DALI USB interface

For connecting the DALI line to a Windows PC.

Configuration is performed using the DALI Cockpit software (free download from our website).

For installation in switching and cavity boxes



		A	B	C
71 024	DALI USB interface	33	60	15

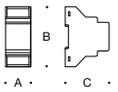


Bluetooth DALI Gateway

For the commissioning and power supply of DALI operating devices and control components in a DALI line with max. 64 operating devices.

Configuration is performed using the free BEGA Tool app.

For DIN rail mounting



		A	B	C
71 075	Bluetooth DALI Gateway	38	92	67

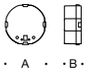


Bluetooth DALI gateway UP

For the commissioning and power supply of DALI operating devices and control components of a DALI line with max. 64 operating devices.

Configuration is performed using the free BEGA Tool app.

For installation in switching and cavity boxes



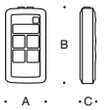
		A	B
71 151	Bluetooth DALI Gateway	Ø 50	35



DALI programmer

DALI programmer for the parametrisation of DALI operating devices. Four buttons can be programmed with DALI parameters.

Configuration and parametrisation of the DALI programmer is carried out conveniently in the free BEGA Tool app.



		A	B	C
71 153	DALI programmer	70	120	25

BEGA Tool

With the BEGA Tool app, you can easily parametrise DALI luminaires with a smartphone through a Bluetooth-DALI gateway or using the DALI programmer. The app allows you to create lighting scenarios and brightness controls as well as configure pushbuttons and sensors.
More information can be found at bega.com/tool.





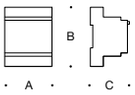
IPAS KNX-DALI gateway

IPAS KNX/DALI gateway for integrating up to 64 luminaires with DALI operating devices in a KNX system. Configuration of 16 DALI groups, 16 DALI lighting scenarios and 16 sequences by means of an application program in the ETS software. DALI colour light control of tunable white and RGBW luminaires (DT 8, RGBWAF, xy) can also be implemented in this way.

A KNX learn button for switching from normal mode to addressing mode, and three other buttons for device setting and configuration can be found on the front panel.

Also suitable for operating single emergency lighting battery luminaires with DALI control in accordance with DIN EN 62 386-202.

For DIN rail mounting



		A	B	C
71 065	IPAS KNX-DALI gateway	70	86	58



DALI power reducer

Control unit for automatic power reduction or night-time brightness reduction with an integrated DALI power supply for up to nine additional DALI operating devices.

Not suitable for use with a separate DALI power supply.

For installation in switching and cavity boxes



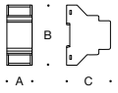
		A	B	C
71 150	DALI power reducer	33	60	15



DALI repeater

For extending the DALI bus. A one-off extension of the DALI line from 300 m to 600 m can be achieved using the DALI repeater. The repeater electrically isolates the bus devices (DS = DALI-SELV). For max. 64 bus devices on the entire DALI line.
A separate 24 V DC power supply unit is required for power supply.

For DIN rail mounting

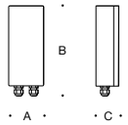


		A	B	C
71 038	DALI repeater	38	92	67



DALI repeater

For DALI bus extension. A one-off extension of the DALI line from 300 m to 600 m can be achieved using the DALI repeater. The repeater electrically isolates the bus devices (DS = DALI-SELV).
For max. 64 bus devices on the entire DALI line.
Protection class IP 65 · Safety class I
Cast aluminium, aluminium and S/steel
Integrated 24 V DC power supply unit



		A	B	C
71 063	DALI repeater in housing	105	240	68

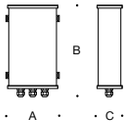


DALI operating devices DT 8

DALI operating devices for
- RGB recessed luminaires 24 V DC for max. 15 luminaires 33 291 · 88 897 or 6 luminaires 33 292 · 88 898 or 2 luminaires 33 293 · 88 899
- RGBW swimming pool luminaires 24 V DC for max. 5 luminaires 99 815

Protection class IP 65 · Safety class I
Cast aluminium, aluminium and stainless steel

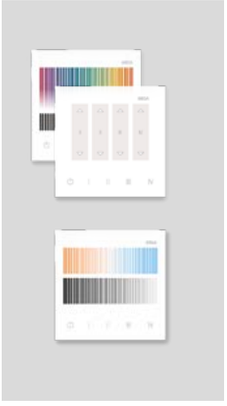
Additive colour mixing can be performed using any commercially available DALI colour light control (DT 8, RGBW, xy) system.
If no internal DALI power supply is available in the DALI colour light control, DALI power supply 70 866 can be used.
A separate power supply unit is required for operation.
Additional information on BEGA power supply units can be found on Page 566.



		A	B	C
71 018	For RGB recessed luminaires 24 V DC	215	310	65
71 019	For RGBW swimming pool luminaires 24 V DC	215	310	65

DALI system components

DALI system components are based on the EN 62 386 standard.
Simple and convenient light control is the primary focus of all these components.
Outdoor luminaires close to the building can also be controlled with DALI.
You can find the complete technical data for all DALI system components in the data sheets on our website.
The configuration is performed using either the DALI Cockpit software (free download from our website) or the BEGA Tool App combined with a BEGA Bluetooth DALI gateway.

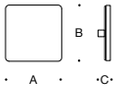


DALI touch panels

Three multifunctional touch panels for manual control of LED, tunable white and RGBW luminaires (DT6, DT8, RGBWAF).

Colour white

For installation in switching and cavity boxes



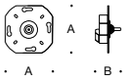
		A	B	C
71 245	RGBW	88	88	17
71 250	Tunable white	88	88	17
71 251	Group control	88	88	17



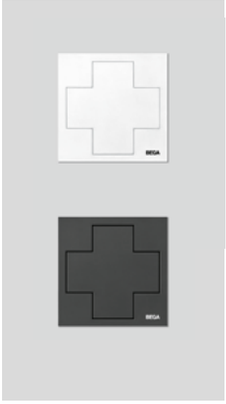
DALI rotary dimmer

DALI rotary dimmer for adjusting the brightness of DALI luminaires and switching them on and off, for controlling tunable white luminaires (DT8), RGB luminaires or RGBW luminaires (DT8). The dimmer can be used in conjunction with most brand-name switch programs.

For installation in switching and cavity boxes



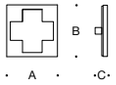
		A	B
71 129	Rotary dimmer	70	38
71 130	Rotary dimmer tunable white	70	38
71 131	Rotary dimmer RGB	70	38
71 164	Rotary dimmer RGBW	70	38



DALI cross switch

Four pushbuttons for user-assignable functions. Groups, lighting scenarios and staircase control can be assigned. Also suitable for manual control of LED and tunable white luminaires (DT6, DT8).

For installation in switching and cavity boxes



		A	B	C
71 025	Cross switch · Colour **white**	80	80	17
71 056	Cross switch · Colour **black**	80	80	17



DALI pushbutton module

For up to four potential-free switches/pushbuttons/100-kΩ potentiometers with user-assignable function.

For installation in switching and cavity boxes



		A	B	C
71 030	DALI pushbutton module	28	40	15



DALI switch module

For up to four 230 V switches/pushbuttons/contacts with freely assignable function.

For installation in switching and cavity boxes



		A	B	C
71 058	DALI switch module	33	60	15



DALI sensors for indoor use

DALI sensors for detecting the movements of persons, brightness values and temperatures.
For controlling DALI LED luminaires

For installation in switching and cavity boxes



		A	B
71 028	PIR motion and light sensor	100	40
71 029	Light sensor	100	40

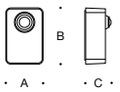


DALI PIR motion and light sensor

Luminaires with a passive infrared motion and light sensor react to thermal radiation in the dark, switching on when people or animals move in the vicinity of the luminaire. An additional DALI power supply 71 094 or 70 866 is required if the luminaires are not going to be operated in a DALI system.
Protection class IP 65 · Cast aluminium and stainless steel
1 rear cable entry

Colour graphite

For outdoor wall mounting



		A	B	C
71 162	DALI PIR motion and light sensor	77	116	55



DALI daylight module

For controlling tunable white luminaires according to the time of day.

For installation in switching and cavity boxes



		A	B	C
71 059	DALI daylight module	33	60	15



DALI timer

For timer functions with up to 28 events to activate lighting scenarios for LED, tunable white and RGB W luminaires (DT 6, DT 8, RGBWAF, xy).

For installation in switching and cavity boxes



		A	B	C
71 043	DALI timer	33	60	15



DALI sequencer module

For storing four independent sequences.

For installation in switching and cavity boxes



		A	B	C
71 060	DALI sequencer module	28	40	15



DALI switch actuator

For controlling a relay contact via the DALI bus. The module is designed for a max. rated load of 2000 VA at the relay contact.

For DIN rail mounting



		A	B	C
71 116	DALI switch actuator	18	98	57



DALI switch actuator

For controlling a relay contact via the DALI bus. The module is designed for a max. rated load of 1000 VA at the relay contact.

For installation in switching and cavity boxes



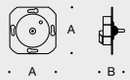
		A	B	C
71 117	DALI switch actuator	33	60	15

BEGA Smart



Smart Rotary Dimmer

Wireless rotary dimmer with integrated aerial for switching, dimming and regulating the light colour of luminaires.
Once successfully installed, the switch is configured in the BEGA Smart app.
The Smart Rotary Dimmer can be used in conjunction with most brand-name switch programs.
Power supply 220 - 240 V, 50 / 60 Hz
Zigbee 3.0 · Max. radio range 30 m
For installation in switching and cavity boxes



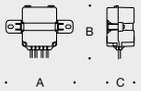
		A	B
71 148	Smart Rotary Dimmer	70	45



Smart DALI Controller

The Smart DALI Controller enables wireless control and dimming of up to 15 DALI luminaires
- with a smartphone and the BEGA Smart app
- with a BEGA remote control
- with Smart Rotary Dimmer 71 148

National safety regulations must be observed when installing in suspended ceilings.
Zigbee 3.0 · Max. radio range 30 m
For installation in switching and cavity boxes



		A	B	C
71 149	Smart DALI Controller	70	46	29



Zigbee system components

Zigbee radio control can be used in existing systems where there is no additional data or control cable available. The Zigbee devices communicate via a mesh network in which the distance between the individual devices can be up to 100 metres.
Zigbee radio control is a convenient and secure way of wirelessly controlling a system. ZigBee radio networks are based on standard IEEE 802.15.4.

Each module can be individually and permanently programmed for control tasks, and is also immediately ready for use even after a power failure.

We would be delighted to assist you in planning your system, or to help you familiarise yourself with Zigbee radio control in one of our showrooms.



works with BEGA Smart

Zigbee DALI control module for installation in switching and cavity boxes

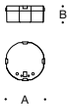
Zigbee control module with integrated 2.4 GHz aerial and DALI interface for use indoors and wherever a higher protection class is not required.

DALI control output for joint switching and dimming of up to five DALI operating devices.
Relay contact with a switching capacity of 2000 VA.

Can be used as router or coordinator in Zigbee networks. Compatible with the BEGA Smart system

Voltage 220 - 240 V, 50 / 60 Hz

For installation in switching and cavity boxes



		A	B
70 049	Zigbee control module · With DALI interface	Ø 50	35



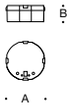
Zigbee pushbutton module for installation in switching and cavity boxes

Zigbee pushbutton module with integrated 2.4 GHz aerial for use indoors and wherever a higher protection class is not required.
Four inputs for potential-free pushbuttons.

Can be used as a router or coordinator in Zigbee networks. Voltage 100 - 240 V, 50 / 60 Hz

Four-way pushbutton module with RGBW / tunable white (CC/TW) function

For installation in switching and cavity boxes



		A	B
70 027	Zigbee pushbutton module · 4 pushbutton contacts	Ø 50	35



71 051 + 71 052



71 050

Zigbee control module for installation in switching and cavity boxes

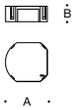
Zigbee control modules with integrated 2.4 GHz aerial for use indoors or wherever a higher protection class is not required.
Can be used as router or coordinator in Zigbee networks. Voltage 220–240 V, 50 / 50 Hz

71 051 Zigbee control module with **one** relay contact · Switching capacity 3600 VA
One input for conventional pushbuttons or binary contacts

71 052 Zigbee control module with **two** relay contacts · Switching capacity 2 x 500 VA
Two inputs for conventional pushbutton or binary contacts

71 050 Zigbee control module with **one** dimming output · Switching capacity of 500 VA and automatic load detection (R/L/C) for dimming of dimmable luminaires with a 3-pole cable connection.
Two inputs for conventional pushbutton or binary contacts

For installation in switching and cavity boxes



		A	B
71 051	Zigbee control module · With one relay contact · Switching capacity 3600 VA	Ø 47	17
71 052	Zigbee control module · With two relay contacts · Switching capacity 2 x 500 VA	Ø 47	12
71 050	Zigbee control module · With one dimming output · Switching capacity 500 VA	Ø 47	12



works with BEGA Smart

Zigbee router module for installation in switching and cavity boxes

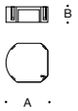
Zigbee router module with integrated 2.4 GHz aerial for use indoors and wherever a higher protection class is not required.

The Zigbee router module is used to route radio signals in expansive buildings, for example.

It can be used as a router in Zigbee networks.
Compatible with the BEGA Smart system

Voltage 220 - 240 V, 50 / 50 Hz

For installation in switching and cavity boxes



		A	B
71 055	Zigbee router module	Ø 47	12



71 021 + 71 022



71 020

Zigbee control module for DIN rail mounting

Zigbee control modules with integrated 2.4 GHz aerial for use indoors or wherever a higher protection class is not required.
Can be used as router or coordinator in Zigbee networks. Voltage 220–240 V, 50 / 50 Hz

71 021 Zigbee control module with one relay contact · Switching capacity 3600 VA
Two inputs for conventional pushbutton or binary contacts

71 022 Zigbee control module with two relay contacts · Switching capacity 2 x 500 VA
Two inputs for conventional pushbutton or binary contacts

71 020 Zigbee control module with one dimming output · Switching capacity of 500 VA and automatic load detection (R/L/C) for dimming of dimmable luminaires with a 3-pole cable connection.
Two inputs for conventional pushbutton or binary contacts

For DIN rail mounting



		A	B	C
71 021	Zigbee control module · With one relay contact · Switching capacity 3600 VA	18	90	61
71 022	Zigbee control module · With two relay contacts · Switching capacity 2 x 500 VA	18	90	61
71 020	Zigbee control module · With one dimming output · Switching capacity 500 VA	18	90	61



By using Zigbee lamps, even existing luminaires with conventional E 14 or E 27 bases can be controlled, dimmed and automated.
Additional information on Zigbee lamps can be found on Page 564.



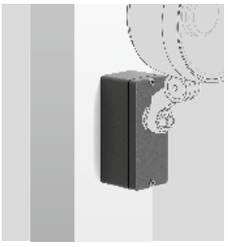


Accessories for BEGA floodlights with G ½ threaded connection

There are a large number of different installation situations for floodlights. For most applications, we can offer devices ready for connection. For all other situations, you will find accessories here that can be individually bolted to BEGA floodlights with G ½ threaded connection in accordance with ISO 228. When combined with the accessories on Page 575, the LED compact floodlights on Pages 350 and 351 are supplied factory-assembled and ready for connection. You can find data sheets and instructions for use for all accessories on our website.

Accessory colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

70 252 stainless steel
70 204 Colour graphite

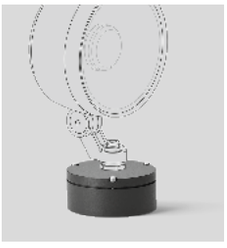


Rectangular mounting box with G ½ threaded connection

For the permanent installation of floodlights with a G ½ threaded connection in on-site installation locations that require a mounting box with small dimensions.

Protection class IP 65 · Cast aluminium and stainless steel
2 cable entries

		L	B	H
70 245	Rectangular mounting box	125	60	55



Round mounting boxes with G ½ threaded connection

For the permanent installation of floodlights with a G ½ threaded connection on columns, walls and ceilings

Protection class IP 65 · Cast aluminium and stainless steel
2 cable entries

		Ø	H
70 217	Round mounting box	110	45
70 294	Round mounting box	130	50
70 284	Round mounting box	150	55



Mounting box for foundations or anchorage units with a G ½ threaded connection

For the permanent installation of floodlights with a G ½ threaded connection on a foundation or anchorage unit* 70 894

Protection class IP 65 · Cast aluminium and stainless steel
2 screw cable glands for connecting cable Ø 9 - 15 mm

		Ø	H
70 221	Mounting box	130	80
70 894	Anchorage unit* for 70 221		



Pole cap with G ½ threaded connection

For the permanent installation of floodlights with a G ½ threaded connection on poles

Cast aluminium and stainless steel

		For pole top	Insert depth
70 214	Pole cap	Ø 48	50
70 248	Pole cap	Ø 60	80
70 249	Pole cap	Ø 76	95
70 229	Pole cap	Ø 82	100

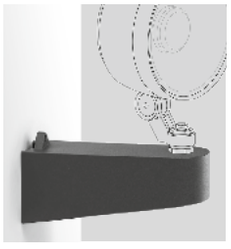


Pole adapter with G ½ threaded connection

For the permanent installation of floodlights with a G ½ threaded connection on poles or on-site pipes

Cast aluminium, cast stainless steel and stainless steel
Recessed opening 30 mm

71 042 Pole adapter



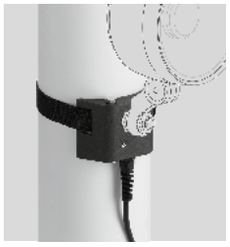
Cross beam with connecting thread G ½

For the permanent installation of floodlights with a G ½ threaded connection on poles Ø ≥ 60 mm or wall surfaces

Cast aluminium, aluminium and stainless steel
Overhang 190 mm

70 379 Cross beam

*Anchorage units are optional accessories and must be ordered separately. For technical data on anchorage units, see Page 583.



Lashing strap with G ½ threaded connection

For the portable installation of floodlights with a G ½ threaded connection on trees, poles, columns or cylindrical structures

Cast aluminium · Black polyester lashing strap
Clamping area Ø 150 - 600 mm
10 m connecting cable with type F mains plug

70 889 Lashing strap

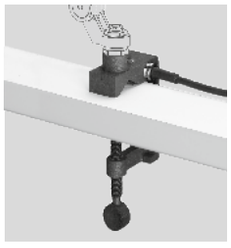


General fastener with G ½ threaded connection

For the permanent installation of floodlights with a G ½ threaded connection on walls, ceilings or wood structures, etc.

Stainless steel · Partial thread for wood or dowels
Screw-in depth 40 mm
5 m connecting cable with type F mains plug

70 252 General fastener



Screw clamp with G ½ threaded connection

For the portable installation of floodlights with a G ½ threaded connection on on-site structures

Cast aluminium and glass fibre reinforced synthetic material
Clamping range 1 - 55 mm
5 m connecting cable with type F mains plug

70 283 Screw clamp



Tube clamp with G ½ threaded connection

For the permanent installation of floodlights with a G ½ threaded connection on pipes or on-site structures

Cast aluminium and stainless steel
Clamping range 30 - 80 mm
5 m connecting cable with type F mains plug

70 280 Tube clamp

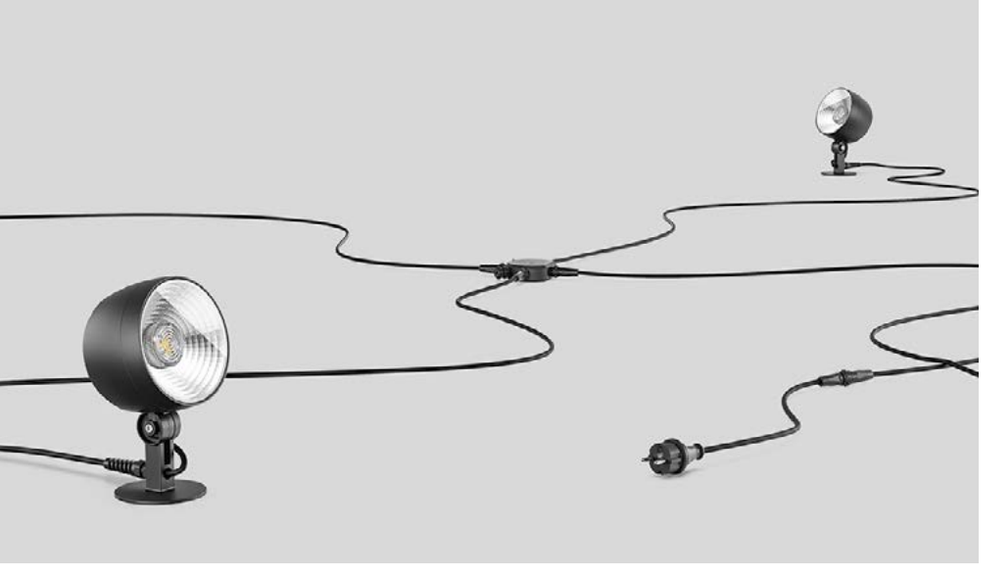


Earth spike with G ½ threaded connection

For the portable installation of floodlights with a G ½ threaded connection in soil

Glass fibre reinforced synthetic material
Insert depth 250 mm
5 m connecting cable with type F mains plug

70 204 Earth spike

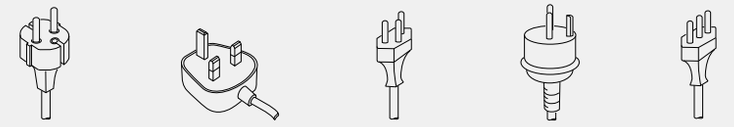


BEGA UniLink system components

BEGA UniLink is a system for creating and operating flexible lighting systems in outdoor applications. All the system components for the electrical connection of the luminaires, as well as electrical cables and distribution components, use identical, electrically safe plug connectors. The BEGA UniLink cables enable flexible cable routing above ground, or in trees and on building structures.

All BEGA UniLink luminaires come with a five-metre connecting cable with a waterproof BEGA UniLink plug connector. This can be used to connect BEGA UniLink extension cables or even BEGA UniLink five-way distribution boxes, if required.
This makes it quick and easy to position several luminaires in remote locations in a garden, for example. The lighting system can be expanded or modified with additional five-way distribution boxes, BEGA UniLink luminaires and additional extension cables at any time. When doing so, all luminaires in the system must be located no more than 50 metres from the power source. All connection and extension cables are flexible and can easily be installed on the ground, in trees, or on structural elements.

Please note:
A mains plug, which must be ordered separately, is required to connect individual BEGA UniLink luminaires or a UniLink system to the mains.



Type F / E | Type G | Type J | Type K | Type L



BEGA UniLink **mains plug**

		Mainly used in
71 180	Type F Type E	**Germany** and **Europe** (“Schuko plug”) **France** and **Belgium**
71 181	Type G	**Great Britain** ("Commonwealth plug")
71 182	Type J	**Switzerland** and **Liechtenstein**
71 184	Type K	**Denmark**
71 183	Type L	**Italy**

Colour graphite

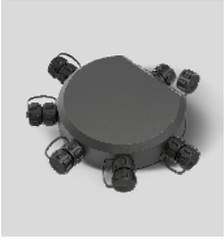


BEGA UniLink **connecting cables**

Connecting cables with plug connector and a free cable end for connection to a BEGA distribution box, for example.
For additional information, see Page 581.

Colour graphite

71 256	Connecting cable with free cable ends	0.5 m
71 247	Connecting cable with free cable ends	5.0 m



BEGA UniLink **five-way distribution box**

Distribution box with five connection sockets for the connection of additional BEGA UniLink luminaires, extension cables or an additional five-way distribution box.

Synthetic material · Protection class IP 67
Colour graphite

71 189	Five-way distribution box



BEGA UniLink **extension cables**

BEGA UniLink extension cables with socket and plug

Protection class IP 67 · Colour graphite

71 186	Extension cable	5 m
71 187	Extension cable	10 m
71 188	Extension cable	20 m



Accessories for floodlights **with connection adapter**

Floodlights with connection adapters can be combined with numerous accessories for installation on trees, pipes or wooden structures, for example.

The accessory and the floodlight with connection adapter are quickly and easily screwed together via a secure mechanical connection.
All floodlights with a connection adapter come with a five-metre connecting cable with a waterproof BEGA UniLink plug connector.
The electrical connection of the floodlight is established via the BEGA UniLink system components.

Accessory colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

71 226 · 71 227: Stainless steel



Lashing strap with connection adapter

For the installation of floodlights with a connection adapter on trees, poles, pillars or cylindrical structures

Cast aluminium · Black polyester lashing strap
Clamping area Ø 150 - 600 mm

71 225 Lashing strap

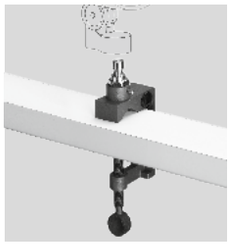


General fastener with connection adapter

For the installation of floodlights with connection adapter on walls, ceilings or wooden structures, for example

Stainless steel · Partial thread for wood or dowels
Screw-in depth 40 mm

71 226 General fastener

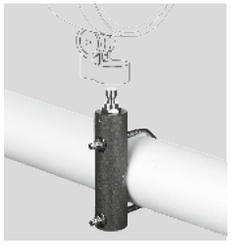


Screw clamp with connection adapter

For the installation of floodlights with a connection adapter on on-site structures

Cast aluminium and glass fibre reinforced synthetic material
Clamping range 1 - 55 mm

71 223 Screw clamp

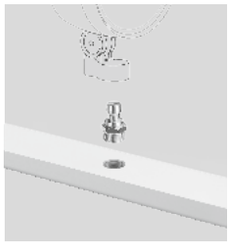


Tube clamp with connection adapter

For the installation of floodlights with a connection adapter on pipes or on-site structures

Cast aluminium and stainless steel
Clamping range 30 - 80 mm

71 224 Tube clamp



G ½ fastener with connection adapter

For the permanent installation of floodlights with connection adapter on on-site structures with a G ½ threaded connection

71 227 G ½ fastener



Accessories for BEGA high-performance floodlights
with mounting bracket with a central bore Ø 22 mm
and two bores Ø 9 mm · Spacing 80 mm

There are a large number of different installation situations for floodlights. On this page, you will find accessories for the permanent operation of BEGA high-performance floodlights with the mounting brackets on Pages 354, 356 and 372, which can be bolted on individually.
Please observe the technical information for each accessory in the data sheets and the instructions for use on our website.

Accessory colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

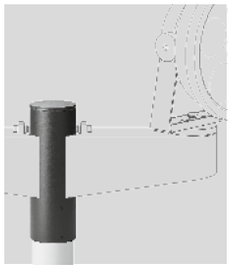


Pole caps
for high-performance floodlights

For the permanent installation of floodlights on poles

Cast aluminium and stainless steel · 1 screw cable gland

		Pole top	Insert depth
70 341	Pole cap	Ø 60	150
70 342	Pole cap	Ø 76	150
70 343	Pole cap	Ø 89	150

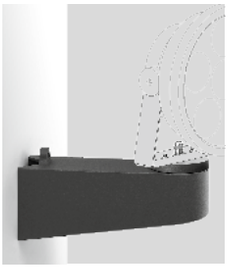


Pole caps for cross beams
for high-performance floodlights

For the permanent installation
of 1 or 2 cross beams 70 391 on poles

Cast aluminium and stainless steel

		Pole top	Insert depth
70 386	Pole cap for cross beams	Ø 60	120
70 387	Pole cap for cross beams	Ø 76	120
70 388	Pole cap for cross beams	Ø 89	120

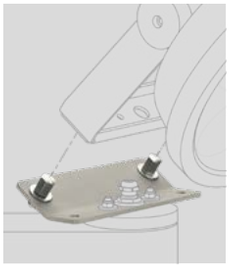


Cross beam
for high-performance floodlights

For the permanent installation of floodlights on poles
Ø ≥ 76 mm, on pole caps 70 386 · 70 387 · 70 388
or on wall surfaces

Protection class IP 44 · Cast alum., aluminium and S/steel
1 screw cable gland · Connection terminals 5×4□
Overhang 380 mm

70 391	Cross beam



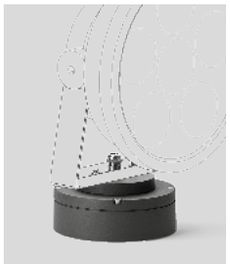
Swivel range extension
for high-performance floodlights

For the permanent installation of floodlights to extend the swivel range by 35°, for installation on the accessories on this page, on building edges or projections

Stainless steel



71 071	Swivel range extension



Mounting box
for high-performance floodlights

For the permanent installation of floodlights on columns, walls and ceilings.

Protection class IP 55 · Cast aluminium and stainless steel
2 cable entries · Connection terminals 5×4□

		Ø	H
70 348	Mounting box	180	80



Mounting box for foundations or anchorage units
for high-performance floodlights

For the permanent installation of floodlights on foundations or anchorage units* 70 895 or 70 896

Protection class IP 65 · Cast aluminium and stainless steel
2 screw cable glands for connecting cable Ø 9-15 mm
Connection terminals 5×4□

		Ø	H
70 225	Mounting box	180	110
70 895 · 70 896	Anchorage units* for 70 225		



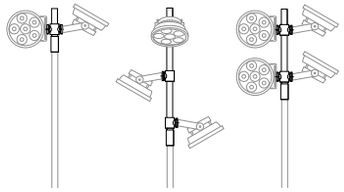
Mounting base to accommodate a junction box
for high-performance floodlights

For the permanent installation of floodlights on columns, walls, foundations or anchorage units* 70 895

Cast aluminium and stainless steel
Mounting plate made of steel, galvanised

		Ø	H
70 208	Mounting base	Ø 200	120
70 895	Anchorage unit* for 70 208		

* Anchorage units are optional accessories and must be ordered separately. For technical data on anchorage units, see Page 583.



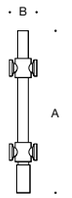
Pole tops for high-performance floodlights

Installation-ready pole tops for the installation of multiple BEGA high-performance floodlights from Pages 354, 356 and 372 on a BEGA steel luminaire pole from Group 62 or 72.

Please observe the technical information for the pole tops in the data sheets and the instructions for use on our website. For structural reasons, shields must not be used.

Cast aluminium, aluminium and stainless steel

Accessory colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**



		Pole top	Insert depth	A	B
70 762	Pole top for 2 floodlights	Ø 76	150	565	195
70 763	Pole top for 3 floodlights	Ø 76	150	1765	195
70 764	Pole top for 4 floodlights	Ø 76	150	1165	195

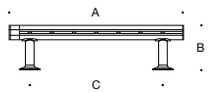
Cross beam for high-performance floodlights

For the arrangement of multiple BEGA high-performance floodlights from Pages 354, 356 and 372 on wall surfaces, supporting structures and under ceilings. When mounting on ground surfaces, they can either be mounted on a foundation or on two anchorage units – article number 70 896 (for each anchorage unit). Additional information on BEGA anchorage units can be found on Page 583.

The maximum number of floodlights that can be mounted depends on the type of floodlight. All the relevant information and technical data can be found in the instructions for use on our website.

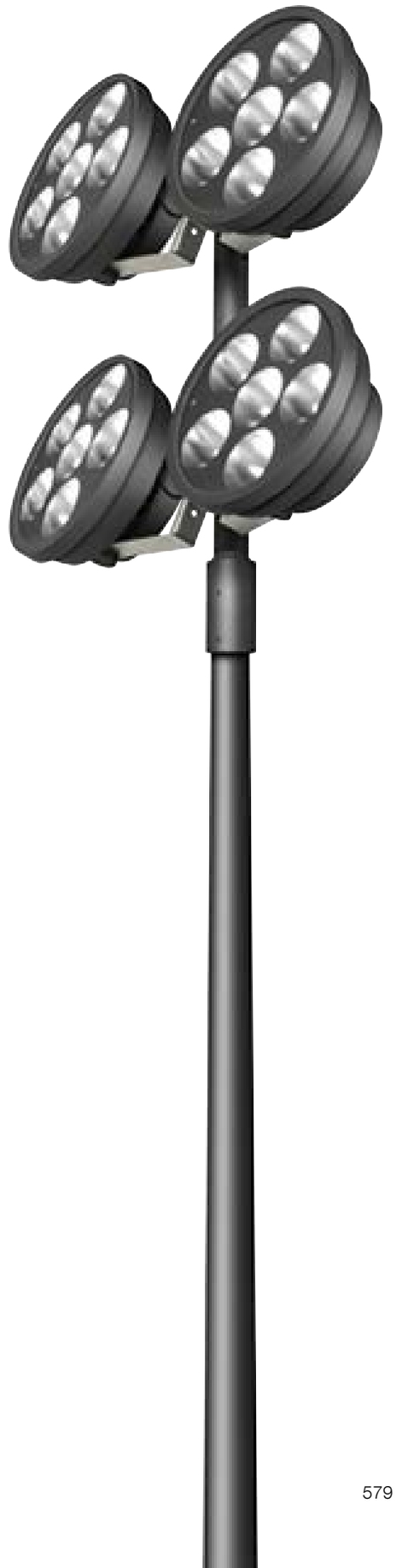
Cast aluminium, aluminium and stainless steel
Connection box made of cast aluminium

Accessory colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**



		A	B	C
71 211	Cross beam	1525	390	1164
71 216	Installation adapter for one floodlight			
70 896	Anchorage unit for 71 211			



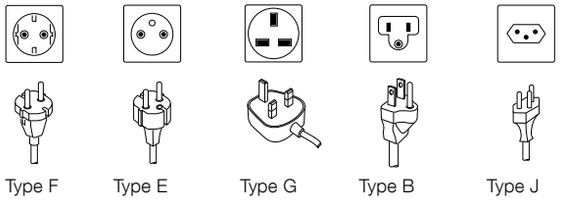




Socket types

Different sockets and plugs are used around the world and are not always compatible with one another. To make it easier to distinguish between them, we have listed the socket types we offer here, along with the countries where they are commonly used.
Unless indicated otherwise, we supply our products with **Type F** safety sockets as commonly used in Europe and particularly in Germany. All other types of safety socket listed here can be installed on request as a custom-made product.

At the bottom of this page, we offer safety sockets and switches for installation in bollards or luminaire poles.



Socket types

Sockets	Mainly used in	
Type F	**Germany** and **Europe**	16 A · 250 V ∿
Type E	**France** and **Belgium**	16 A · 250 V ∿
Type G	**Great Britain** ("Commonwealth plug")	13 A · 250 V ∿
Type B	**USA** (NEMA 5)	20 A · 125 V ∿
Type J	**Switzerland** and **Liechtenstein**	10 A · 250 V ∿

Installation housing with sockets or switches

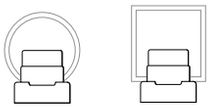
For installation in BEGA luminaire poles or garden and bollard tubes with

- Diameter ≥ 82 mm or
- Cross section ≥ 80 × 80 mm

Protection class IP 44 · Installation housing made of cast aluminium and stainless steel
Cover made of fibreglass-reinforced synthetic material · Colour graphite

Installation housing · BEGA Unidure®
Graphite – article number
Silver – article number + **A**

Installation in the luminaire poles is factory-prepared, but must be effected on the customer's premises on account of the risk of damage in transit. Installation in garden luminaires and bollards is carried out at the factory.





70160 **70161 · 70162** **70163** **70164 · 70165**

	Safety sockets	
70160	Socket type **F** with installation housing	16 A · 250 V ∿
70166	Socket type **E** with installation housing	16 A · 250 V ∿
70167	Socket type **G** with installation housing	13 A · 250 V ∿
70168	Socket type **B** with installation housing	20 A · 125 V ∿
	Switches · Pushbuttons · Cylinders	
70161	Two-way switch with recessed housing	10 A · 250 V ∿
70162	Pushbutton / NOC with recessed housing	10 A · 250 V ∿
70163	Control two-way switch with recessed housing	10 A · 250 V ∿
70164	Key-operated switch (two-way) with recessed housing	10 A · 250 V ∿
70165	Key-operated switch (pushbutton) with recessed housing	10 A · 250 V ∿
70180	Key cylinder with three keys for 70164 · 70165	



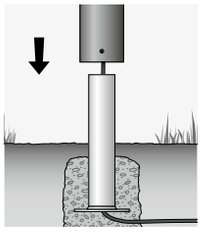
BEGA anchorage units and screw-on bases
For mounting BEGA garden and pathway luminaires in soil and on foundations

The luminaires on Pages 296 to 31 1 are ideal for illuminating private outdoor spaces. These garden and pathway luminaires can be installed either with an anchorage unit or by means of a screw-on base.
The anchorage unit or screw-on base and line connector are supplied with the luminaire and are included in the price of the luminaire.
Please observe the technical information for the BEGA garden and pathway luminaires in the data sheets and the instructions for use on our website.

Anchorage unit for the luminaires on Pages 296 to 311

For the permanent installation of BEGA garden and pathway luminaires in a flowerbed or an unpaved surface, for example.

The anchorage unit made of hot-dip galvanised steel is included in the scope of delivery of the luminaire.
This type of installation involves inserting an NYY-J 3 × 2.5□ underground cable into the anchorage unit from below. The underground cable and anchorage unit are set in concrete. The luminaire is then connected with a line connector, placed on the anchorage unit and bolted in position.





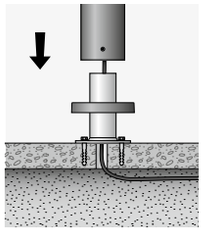
BEGA distribution boxes
For through-wiring garden and pathway luminaires and connecting pillars

Through-wiring within the luminaire is not possible for certain luminaires or connecting pillars. In this case, we recommend BEGA distribution boxes for installation in soil. After connecting the electrical lines to the terminals, the distribution box must be filled with the sealing compound supplied.
You can find the complete technical data for the distribution boxes in the instructions for use on our website.

Screw-on base for the luminaires on Pages 296 to 311

For the permanent installation of BEGA garden and pathway luminaires on foundations provided by the customer or on other paved surfaces, for example.

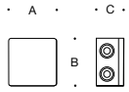
A screw-on base made of hot-dip galvanised steel is included in the scope of delivery of the luminaire. This type of installation involves inserting an NYY-J 3 × 2.5□ underground cable into the screw-on base from below. The base is bolted onto the mounting surface. The luminaire is then connected with a line connector and fixed to the screw-on base. The supplied cover plate between the vertical luminaire tube and the screw-on base covers the fastening bolts.





Distribution boxes for installation in soil

For connecting up to 9 luminaires in soil.
Protection class IP 68 · Safety class II · Housing made of synthetic material
70 730 7 cable entries · Connection terminal 5 × 4□
71 053 10 cable entries · Connection terminal 6 × 16□
Sealing compound: Cartridge with gel filling
After installation, the distribution box must be sealed.



		A	B	C
70 730	Distribution box · 7 cable entries	95	95	55
71 053	Distribution box · 10 cable entries	150	115	55

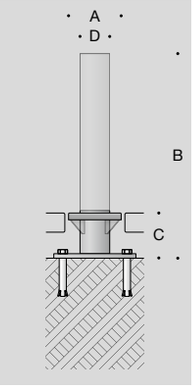




Screw-on bases, connection housings and anchorage units
for mounting light building elements, on-ground luminaires, bollards and luminaire poles with a base plate in soil

On this page, you will find an overview of accessories for BEGA luminaires that are mounted in soil or on an on-site foundation.
The accessories are paired with the corresponding luminaires in the catalogue.
Please refer to the instructions for use and data sheets on our website when planning and installing the luminaires. All technical specifications for the accessories listed here can be found there.





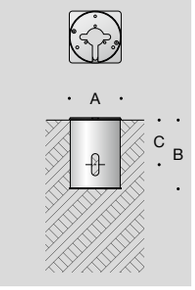
Screw-on base for light building elements

For the installation of light building elements

Hot-dip galvanised welded steel construction
Thread inserts and mounting screws made of stainless steel

		A	B	C	D
71 243	Screw-on base	200	445	—	90
71 199	Screw-on base	400	450	—	90
70 819	Screw-on base	210	645	145	108
70 829	Screw-on base	155	645	145	108
70 844	Screw-on base	395	850	150	133
70 848	Screw-on base	290	850	150	133
70 833	Screw-on base	150 × 90	655	145	120 × 60
71 191	Screw-on base	100 × 40	740	145	80 × 40
71 092	Screw-on base	310 × 210	—	150	—



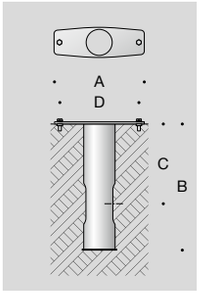


Connection housing for on-ground luminaires

For the installation of on-ground luminaires
The internal diameter of the connection housing is dimensioned such that the cable transition between an underground cable and the luminaire power supply cable can be carried out using distribution box 70 730.

Hot-dip galvanised welded steel construction
Thread inserts and mounting screws made of stainless steel

		Screw connection	A	B	C
71 246	Connection housing	3 × 120° M 6 / M 8	165	225	150

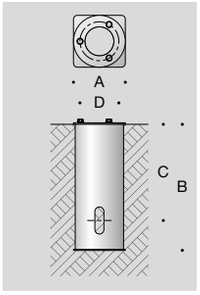


Anchorage units for rectangular bollards

For the installation of rectangular bollards

Hot-dip galvanised welded steel construction
Thread inserts and mounting screws made of stainless steel

		Screw connection	A	B	C	D
71 178	Anchorage unit	2 × 180° M 8	155 × 106	400	290	125
71 890	Anchorage unit	2 × 180° M 8	250 × 80	400	300	220

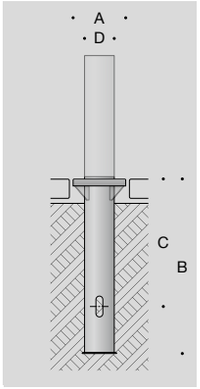


Anchorage units for bollards and luminaire poles

For the installation of bollards and luminaire poles with base plate

Hot-dip galvanised welded steel construction
Thread inserts and mounting screws made of stainless steel

		Screw connection	A	B	C	D
70 894	Anchorage unit	3 × 120° M 6	95	400	330	70
70 895	Anchorage unit	3 × 120° M 8	135	400	330	100
70 896	Anchorage unit	3 × 120° M 8	165	500	350	132

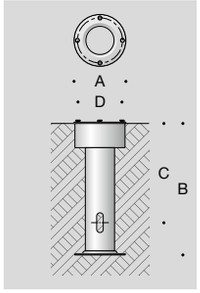


Anchorage units for light building elements

For the installation of light building elements

Hot-dip galvanised welded steel construction
Thread inserts and mounting screws made of stainless steel

		A	B	C	D
71 242	Anchorage unit	—	720	335	90
71 136	Anchorage unit	155	800	450	108
71 137	Anchorage unit	210	800	625	108
71 135	Anchorage unit	290	1000	450	133
71 207	Anchorage unit	—	1140	400	90
71 138	Anchorage unit	390	1300	950	220
71 192	Anchorage unit	100 × 40	800	450	80 × 40
71 140	Anchorage unit	150 × 90	800	425	120 × 60
71 139	Anchorage unit	395 × 175	1000	550	133



Anchorage units for luminaire poles

For the installation of luminaire poles with base plate

Hot-dip galvanised welded steel construction
Thread inserts and mounting screws made of stainless steel

		Screw connection	A	B	C	D
70 897	Anchorage unit	4 × 90° M 10	235	600	450	200
70 898	Anchorage unit	4 × 90° M 12	310	800	450	265
70 899	Anchorage unit	4 × 90° M 16	335	800	450	283
71 219	Anchorage unit	4 × 90° M 16	410	1000	450	353





Connection boxes and accessories for BEGA pole-top luminaires, light building elements and bollards

Connection boxes are used to connect bollards, light building elements and pole-top luminaires. In addition to acting as the electrical transfer point between the underground cable and the luminaire cable and serving to safeguard the luminaires, they can perform various additional functions via integrated components. You can find the complete technical data in the data sheets on our website. The installation and operation of these connection boxes are subject to national safety regulations.

Note: Overvoltage poses an increased risk for LED luminaires and accessories. Overvoltage damage can include: complete or partial failure of the LED modules, loss of brightness or failure of the electronic components.
Overvoltage events have a negative impact on the service life of LED luminaires, even if they remain operational.
To protect your LED lighting system, we recommend the use of overvoltage protection components and inrush current limiters for various applications.

Pole top **with NEMA 7-Socket**

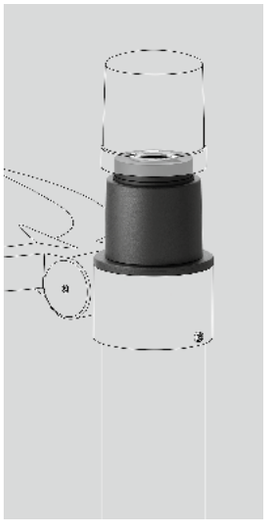
Pole top with NEMA 7 socket compliant with ANSI C136.41-2013 for installation on BEGA pole-top luminaires.
Pole top with 7-pin NEMA socket for tool-free connection of NEMA 7 control components.

Protection class IP 65 · Cast aluminium, aluminium, fibreglass-reinforced synthetic material and stainless steel
10 m connecting cable as connection to the connection box

Accessory colour · BEGA Unidure®
Graphite – article number
Silver – article number + **A**



		Ø	A
71 220	NEMA 7 socket for installation on pole-top luminaires 70 386 · 84 252 · 99 446 · 99 491 · 99 499 · 99 515 · 99 519 · 99 556	82	115
71 165	NEMA 7 socket for installation on pole-top luminaires 77 520 · 77 530 · 77 825 · 77 826 · 77 834 · 77 836 · 77 839 · 77 841 · 77 853 · 77 854 77 858 · 77 859 · 84 253 · 84 344 · 84 484 · 84 485 · 84 562 · 84 581 · 84 582 · 84 583 84 584 · 84 585 · 84 587 · 84 588 · 84 589 · 84 591 · 84 592 · 84 593 · 84 594 · 84 595 84 596 · 84 652 · 84 653 · 84 654 · 84 655 · 84 656 · 84 657 · 84 658 · 84 659 · 84 685 84 686 · 84 687 · 99 407 · 99 408 · 99 447 · 99 473 · 99 474 · 99 479 · 99 481 · 99 522 99 523 · 99 527 · 99 528 · 99 529 · 99 532 · 99 533 · 99 534 · 99 595 · 99 596 · 99 599	100	115

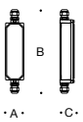


Device box **with control unit for power reduction with DALI interface**

Device box as ready-to-connect component for subsequent installation in luminaire poles or existing systems.
With control unit for power reduction or night-time reduction with integrated DALI power supply for 9 standard DALI operating devices.

Optionally adjustable to two operating modes:
Operating mode 1: Power reduction through network or control phase
Operating mode 2: Power reduction by way of virtual midnight calculation

Protection class IP 65 · Housing made of fibreglass-reinforced synthetic material · Colour graphite



		A	B	C
71 145	Device box with control unit for power reduction	55	250	45



Connection boxes **for bollards or luminaire poles**

Connection boxes in accordance with DIN 43 628/VDE 0660 · Part 505
Housings made of impact-resistant synthetic material



Type		Pole Ø	Fuses	Inputs	Outputs	Protection class	A	B
A	**70 623**	≥ 60 mm	1 Micro 6.3 A	2 · 3 × 2.5□	1 · 3 × 1.5□	IP 55	49	160
	70 632	≥ 82 mm	1 Neozed 6 A	2 · 5 × 4□	1 · 3 × 1.5□	IP 55	59	160
B	**71 084**	≥ 110 mm	1 Micro 6.3 A	2 · 7 × 6□	2 · 5 × 1.5□	IP 54	75	250
	70 629	≥ 110 mm	2 Neozed 6 A	2 · 5 × 10□	2 · 4 × 2.5□	IP 55	66	245
	71 147	≥ 110 mm	2 Neozed 6 A	2 · 5 × 10□	2 · 4 × 2.5□	IP 54	72	265
C	**70 647**	≥ 120 mm	3 Neozed 6 A	2 · 5 × 16□	2 · 5 × 2.5□	IP 54	84	290
	71 160	≥ 120 mm	3 Micro 10 A	1 · 5 × 6□	4 · 5 × 1.5□	IP 54	84	290



Connection box **with** Bluetooth DALI gateway for installation in luminaire poles

Connection box with Bluetooth DALI gateway for the commissioning and power supply (250 mA) of DALI operating devices and control components on a DALI line with max. 64 operating devices and additional control components.
Commissioning and configuration is carried out via the free BEGA Tool App – see Page 568.
Connection boxes in accordance with DIN 43 628/VDE 0660 · Part 505
Housings made of impact-resistant synthetic material

Type		Pole Ø	Fuses	Inputs	Outputs	Protection class	A	B
B	**71 085**	≥ 110 mm	1 Micro 6.3 A	2 · 7 × 6□	2 · 5 × 1.5□	IP 54	75	250

Connection box **with DALI-USB interface** for installation in luminaire poles

Connection box with DALI-USB interface for the commissioning and power supply (250 mA) of DALI operating devices and control components on a DALI line with max. 64 operating devices and additional control components. The free DALI Cockpit software can be downloaded from our website for configuration purposes.
Connection boxes in accordance with DIN 43 628/VDE 0660 · Part 505
Housings made of impact-resistant synthetic material

Type		Pole Ø	Fuses	Inputs	Outputs	Protection class	A	B
C	**71 089**	≥ 120 mm	1 Micro 5 A	3 · 5 × 16□	2 · 5 × 1.5□	IP 54	84	290



Connection box **with control unit for power reduction with DALI interface**

Connection box with control unit for power reduction or night-time reduction with integrated DALI power supply for 9 standard DALI operating devices
Optionally adjustable to two operating modes:
Operating mode 1: Power reduction through network or control phase
Operating mode 2: Power reduction by way of virtual midnight calculation
Connection boxes in accordance with DIN 43 628/VDE 0660 · Part 505
Housings made of impact-resistant synthetic material

Type		Pole Ø	Fuses	Inputs	Outputs	Protection class	A	B
C	**71 143**	≥ 120 mm	2 Neozed 6 A	2 · 5 × 16□	2 · 5 × 2.5□	IP 54	84	290

Connection box **with overvoltage protection** for installation in luminaire poles

71 087 Connection box with overvoltage protection in accordance with EN 61 643-11 for LED luminaires with 1-10 V or DALI interface
70 695 Connection box with overvoltage protection in accordance with EN 61 643-11
Connection boxes in accordance with DIN 43 628/VDE 0660 · Part 505
Housings made of impact-resistant synthetic material



Type		Pole Ø	Fuses	Inputs	Outputs	Protection class	A	B
B	**71 087**	≥ 110 mm	1 Micro 6.3 A	2 · 7 × 6□	2 · 5 × 1.5□	IP 54	70	250
C	**70 695**	≥ 120 mm	2 Neozed 6 A	2 · 5 × 16□	2 · 4 × 2.5□	IP 54	84	290



Aluminium-Luminaire poles **with base plate** · EN 40 painted finish

Luminaire poles made of aluminium and cast aluminium with base plate are screwed onto an anchorage unit or a foundation with the “System 1” mounting system or the “System 2” mounting system. The luminaire poles with door are equipped with a C-clamp, with sliding nuts to accommodate a connection box and with an earth conductor connection. Matching connection boxes for each application are listed in the table. Further information on BEGA connection boxes can be found on Page 585.
Matching luminaire poles for our pole-top luminaires are recommended in the catalogue.
We supply the luminaire poles in the same colour as the luminaires ordered. If no information is provided, we generally deliver the poles in the colour graphite. All standard available colours feature our BEGA Unidure® coating technology and meet the highest global standards for weathering and light resistance. For further technical information, see Page 16.
On request, poles in RAL and DB colours can be also be supplied at the catalogue price.
The system installer is responsible for the stability of the luminaire, luminaire pole and foundation.

Group 11

Cylindrical aluminium luminaire poles · System 1

Pole	H	**d**	Ø	D	kg	Connection box	Anch. unit
70 790	1000	**48**	48	165	3.0	without door	70 895
70 992	1700	**48**	48	165	4.0	without door	70 895
70 997	1000	**60**	60	165	3.5	without door	70 895
70 793	1500	**60**	60	165	4.0	without door	70 895
70 994	2000	**60**	60	165	7.0	without door	70 895

Group 12

Cylindrical aluminium luminaire poles · System 1

Pole	H	**d**	h	Ø	D	kg	Connection box	Anch. unit
70 907	2000	**60**	90	82	220	10.0	A	70 896
70 908	2000	**60**	100	100	220	11.0	A	70 896
70 722	2500	**60**	90	82	220	12.0	A	70 896
70 723	3000	**60**	90	82	220	14.0	A	70 896
70 930	3000	**60**	45	120	300	18.0	B · C	70 897

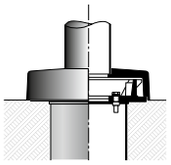
Cylindrical aluminium luminaire poles · System 2

Pole	H	**d**	h	Ø	D	kg	Connection box	Anch. unit
70 732	3500	**76**	130	135	340	22.0	B · C	70 899
70 729	3500	**76**	80	135	340	22.0	B · C	70 899
70 733	4000	**76**	130	135	340	25.0	B · C	70 899
70 728	4000	**76**	80	135	340	25.0	B · C	70 899
70 731	4000	**76**	100	170	360	49.0	B · C	70 899
70 734	5000	**76**	100	170	360	55.0	B · C	70 899

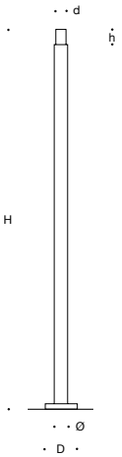
Group 13

Cylindrical aluminium luminaire poles · System 2

Pole	H	**d**	Ø	D	kg	Connection box	Anch. unit
70 900	4000	**76**	135	340	24.0	B · C	70 899
70 902	5000	**76**	135	340	30.0	B · C	70 899
70 904	6000	**76**	135	340	35.0	B · C	70 899



System 1
A mounting plate is bolted onto an anchorage unit or onto a foundation. The luminaire pole with base plate is placed on the mounting plate and bolted in horizontal position with lateral stainless steel bolts.



Group 14

Conical aluminium luminaire poles · System 1

Pole	H	**d**	Ø	D	kg	Connection box	Anch. unit
70 985	2500	**60**	115	300	12.0	A · B	70 897
70 986	3000	**60**	115	300	14.0	A · B	70 897

Conical aluminium luminaire poles · System 2

Pole	H	**d**	Ø	D	kg	Connection box	Anch. unit
70 786	3500	**60**	135	340	16.0	B · C	70 899
70 787	4000	**60**	135	340	17.0	B · C	70 899
70 788	3000	**76**	135	340	15.0	B · C	70 899
70 789	3500	**76**	135	340	16.0	B · C	70 899
70 791	4000	**76**	135	340	17.0	B · C	70 899
70 792	4500	**76**	135	340	19.0	B · C	70 899
70 794	5000	**76**	135	340	23.0	B · C	70 899

Group 16

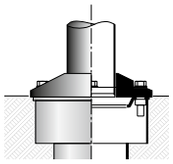
Cylindrical wooden luminaire poles · System 2

Pole	H	**d**	Ø	kg	Connection box	Anch. unit
71 196	4000	**76**	135	34.0	B · C	70 899
71 197	5000	**76**	135	40.0	B · C	70 899
71 198	6000	**76**	135	52.0	B · C	70 899

Group 17

Conical wooden luminaire poles · System 2

Pole	H	**d**	Ø	kg	Connection box	Anch. unit
71 193	4000	**76**	135	27.0	B · C	70 899
71 194	5000	**76**	135	32.0	B · C	70 899
71 195	6000	**76**	135	37.0	B · C	70 899

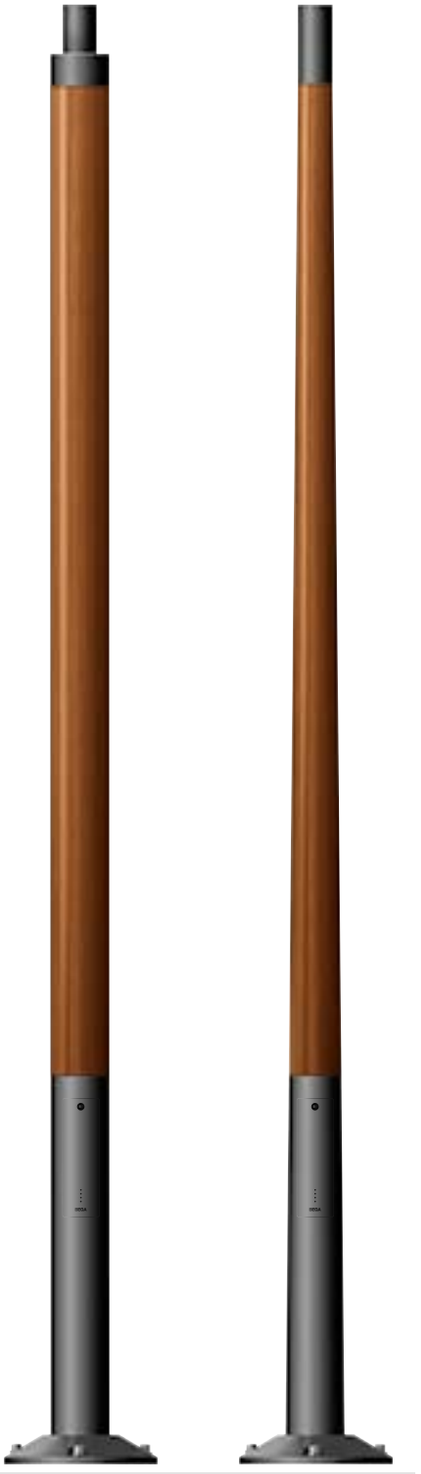


System 2
The luminaire pole is bolted **directly** onto a foundation or anchorage unit using its base plate. For installation on a foundation, the fastening bolts must be provided by the customer.

H = Height of pole, without anchorage unit
Ø = Diameter of pole base
d = Pole top diameter
kg = Total weight
h = Height of offset pole top



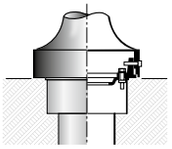
Gruppe 11 | Group 12 | Group 13 | Group 14



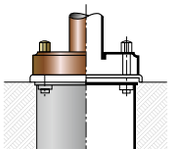
Gruppe 16 | Group 17

Aluminium-Luminaire poles **with base plate** · EN 40
Copper-Luminaire poles **with base plate made of cast bronze**
Luminaire poles for pole-top luminaires

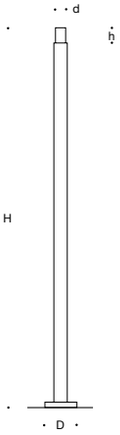
Luminaire poles made of aluminium and cast aluminium with cast aluminium base plate or luminaire poles made of copper with cast bronze base plate are screwed onto a BEGA anchorage unit or a foundation. Aluminium luminaire poles are mounted with the “System 1” mounting system, copper luminaire poles with the “System 2” mounting system.
The luminaire poles with door are equipped with a C-clamp, with sliding nuts to accommodate a connection box and with an earth conductor connection. Matching connection boxes for each application are listed in the table. Further information on BEGA connection boxes can be found on Page 585.
Matching luminaire poles for our pole-top luminaires are recommended on the pages of this catalogue. Luminaire poles ordered in conjunction with luminaires are supplied in the same colour. If no information is provided, we generally deliver the poles in the colour graphite. All standard available colours feature our BEGA Unidure® coating technology and meet the highest global standards for weathering and light resistance. For further technical information, see Page 16.
On request, poles can also be supplied in RAL textures and DB colours at the catalogue price.
We supply copper poles in their natural colour.
The system installer is responsible for the stability of the luminaire, luminaire pole and foundation.



System 1
A mounting plate is bolted to a foundation or anchorage unit. The luminaire pole with base plate is placed on the mounting plate and bolted in **horizontal** position with lateral stainless steel bolts.



System 2
A mounting plate is bolted to a foundation or anchorage unit. The luminaire pole with base plate is placed on the mounting plate and bolted **vertically** with nuts.



Group 40

Copper luminaire poles · System 2						
Pole	H	**d**	D	kg	Connection box	Anch. unit
70 552	1700	**60**	220	9.5	without door	70 896
70 550	2000	**60**	220	10.5	without door	70 896
70 553	2000	**80**	220	12.3	without door	70 896
70 551	2400	**80**	220	14.3	without door	70 896

Group 41

Aluminium luminaire poles · System 1							
Pole	H	**d**	h	D	kg	Connection box	Anch. unit
70 545	1400	**60**	45	200	6.0	without door	70 895

Group 44

Aluminium luminaire poles · System 1							
Pole	H	**d**	h	D	kg	Connection box	Anch. unit
70 540	2500	**76**	100	300	27.0	A · B	70 897
70 541	3000	**76**	100	300	32.0	A · B	70 897

Group 47

Aluminium luminaire poles · System 1						
Pole	H	**d**	D	kg	Connection box	Anch. unit
70 547	2000	**60**	200	11.0	A	70 895
70 524	3000	**76**	300	26.0	A · B	70 897
70 526	3500	**76**	300	28.0	A · B	70 897

Group 48

Aluminium luminaire poles · System 1							
Pole	H	**d**	h	D	kg	Connection box	Anch. unit
70 549	2000	**60**	45	200	11.0	A	70 895
70 522	3500	**76**	100	300	35.0	B · C	70 897

Group 49

Aluminium luminaire poles · System 1						
Pole	H	**d**	D	kg	Connection box	Anch. unit
70 546	2000	**60**	200	11.0	A	70 895

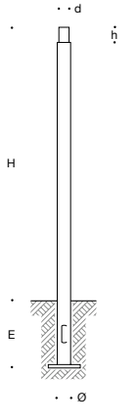
H = Height of pole, without anchorage unit **d = Pole top diameter** h = Height of offset pole top Ø = Diameter of pole base kg = Total weight



Group 40 | Group 41 | Group 44 | Group 47 | Group 48 | Group 49

Aluminium-Luminaire poles **with anchorage section** · EN 40
Surface lacquered

Conical or cylindrical aluminium luminaire poles with anchorage section featuring static strength values in accordance with EN 40. The luminaire poles with door are equipped with a C-clamp, with sliding nuts to accommodate a connection box and with an earth conductor connection. Matching connection boxes for each application are listed in the table. Further information on BEGA connection boxes can be found on Page 585.
Matching luminaire poles for our pole-top luminaires are recommended on the pages of this catalogue. Luminaire poles ordered in conjunction with luminaires are supplied in the same colour. If no information is provided, we generally deliver the poles in the colour graphite. All standard available colours feature our BEGA Unidure® coating technology and meet the highest global standards for weathering and light resistance. For further technical information, see Page 16. On request, poles can also be supplied in RAL textures and DB colours at the catalogue price.
The system installer is responsible for the stability of the luminaire, luminaire pole and foundation.



Group 31

Cylindrical aluminium luminaire poles

Pole	H	**d**	Ø	E	kg	Connection box
70 934	600	**48**	48	400	1.8	without door
70 938	1700	**48**	48	400	4.0	without door
70 941	1000	**60**	60	400	3.0	without door
70 943	2000	**60**	60	500	6.0	without door
70 945	2000	**82**	82	500	7.0	A
70 954	2500	**82**	82	500	8.0	A
70 958	3000	**100**	100	500	12.0	A
70 959	3500	**100**	100	600	15.0	A
70 960	4000	**100**	100	600	15.0	A
70 957	3000	**120**	120	500	15.0	B · C
70 965	3500	**120**	120	600	18.0	B · C
70 974	4000	**120**	120	600	20.0	B · C
70 989	4500	**120**	120	800	22.0	B · C

Group 32

Cylindrical aluminium luminaire poles, stepped pole top

Pole	H	**d**	h	Ø	E	kg	Connection box
70 740	2000	**60**	90	82	500	7.0	A
70 741	2500	**60**	90	82	500	9.0	A
70 752	3000	**60**	90	82	500	9.0	A
70 906	3500	**76**	130	135	800	20.0	B · C
70 739	3500	**76**	80	135	800	22.0	B · C
70 742	4000	**76**	130	135	800	23.0	B · C
70 738	4000	**76**	80	135	800	23.0	B · C
70 737	4000	**76**	100	170	800	33.0	B · C
70 743	4500	**76**	130	135	800	27.0	B · C
70 736	4500	**76**	80	135	800	27.0	B · C
70 744	5000	**76**	130	135	800	30.0	B · C
70 727	5000	**76**	80	135	800	31.0	B · C
70 748	5000	**76**	100	170	1000	40.0	B · C
70 909	3000	**82**	120	100	500	13.0	A
70 749	6000	**89**	120	220	1000	64.0	B · C
70 750	7000	**89**	120	220	1000	75.0	B · C

Group 33

Cylindrical aluminium luminaire poles, stepped pole base

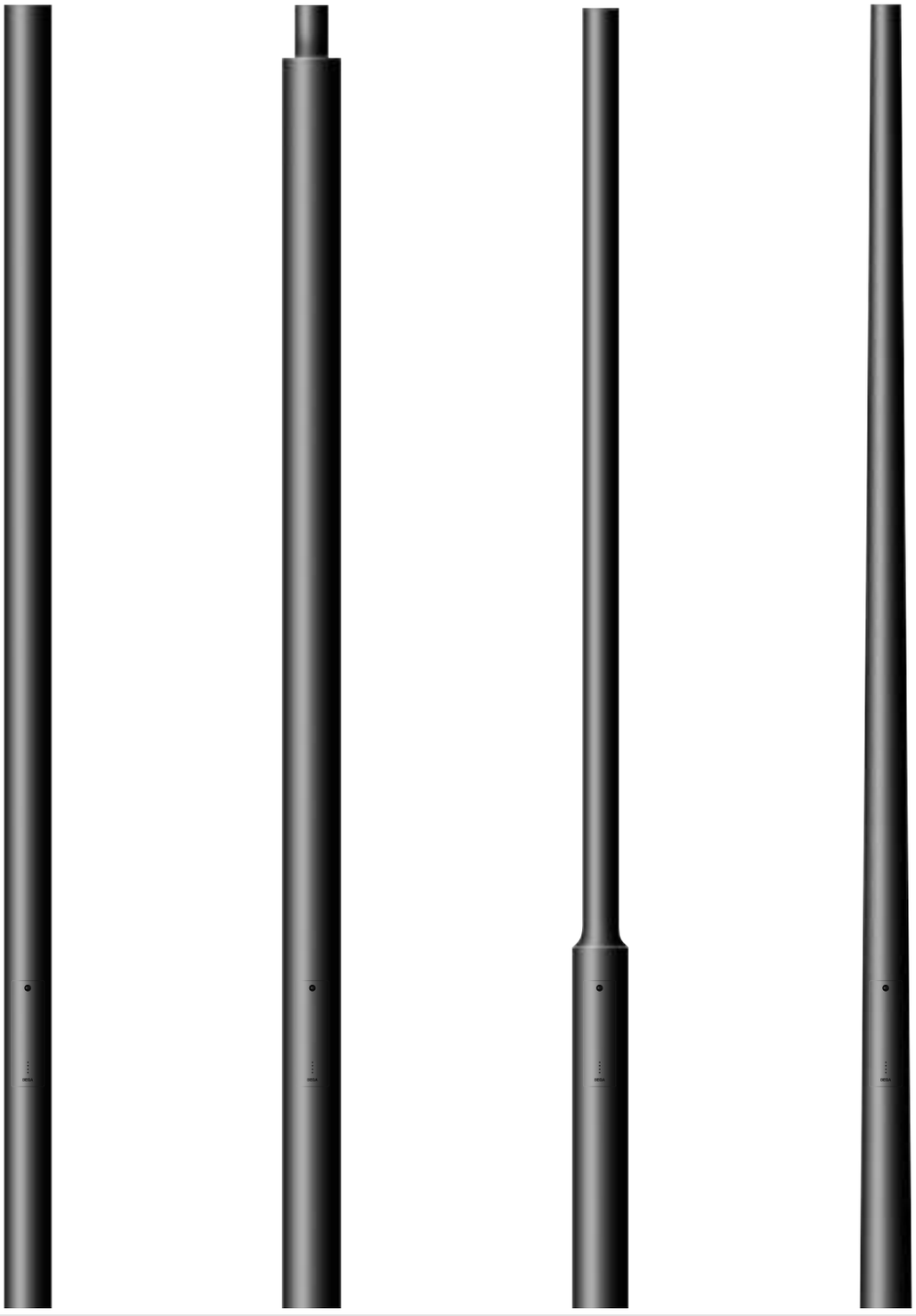
Pole	H	**d**	Ø	E	kg	Connection box
70 901	4000	**76**	135	800	28.0	B · C
70 903	5000	**76**	135	800	35.0	B · C
70 905	6000	**76**	135	1000	40.0	B · C

Group 34

Conical aluminium luminaire poles

Pole	H	**d**	Ø	E	kg	Connection box
70 910	2500	**60**	115	500	9.0	A · B
70 911	3000	**60**	115	500	10.0	A · B
70 912	3500	**60**	115	600	12.0	A · B
70 724	4000	**60**	135	600	14.0	B · C
70 918	3000	**76**	135	600	11.0	B · C
70 913	3500	**76**	135	600	13.0	B · C
70 914	4000	**76**	135	600	15.0	B · C
70 725	4500	**76**	135	800	18.0	B · C
70 915	5000	**76**	135	800	22.0	B · C
70 916	6000	**76**	145	1000	26.0	B · C
70 917	7000	**76**	145	1200	33.0	B · C
70 726	8000	**76**	145	1200	54.0	B · C

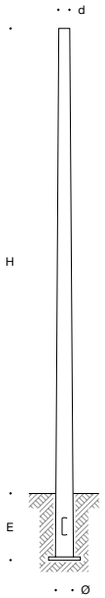
H = Height of pole, without anchorage section d = Pole top diameter h = Height of offset pole top Ø = Diameter of pole base E = Anchorage section kg = Total weight



Group 31	Group 32	Group 33	Group 34

Conical or cylindrical **steel** luminaire poles **with anchorage section** · EN 40
Surface hot-dip galvanised or hot-dip galvanised and lacquered

Conical steel luminaire poles or steel luminaire poles with an offset pole base and without a visible welding seam, featuring static strength values in accordance with EN 40, either hot-dip galvanised or hot-dip galvanised and lacquered.
The luminaire poles with door are equipped with a C-clamp, with sliding nuts to accommodate a connection box and with an earth conductor connection. Matching connection boxes for each application are listed in the table. Further information on BEGA connection boxes can be found on Page 585.
We also supply luminaire poles in this series in heights of 12 m · 14 m · 16 m and 18 m on request.
Matching luminaire poles for our pole-top luminaires are recommended on the pages of this catalogue.
The painted luminaire poles in groups 72 and 73 come in the same colour as the luminaires ordered with them.
All standard available colours feature our BEGA Unidure® coating technology and meet the highest global standards for weathering and light resistance. For further technical information, see Page 16. On request, poles can also be supplied in RAL textures and DB colours at the catalogue price.
The system installer is responsible for the stability of the luminaire, luminaire pole and foundation.



Group 62

Conical steel luminaire poles · Hot-dip galvanised

Pole	H	d	Ø	E	kg	Connection box
70 800	2500	**60**	115	800	25.0	A · B
70 801	3000	**60**	115	800	28.0	A · B
70 802	3500	**60**	115	800	35.0	A · B
70 803	4000	**60**	115	800	38.0	A · B
70 811	3000	**76**	115	800	31.0	A · B
70 815	3500	**76**	115	800	36.0	A · B
70 804	4000	**76**	135	800	42.0	B · C
70 817	4500	**76**	135	800	46.0	B · C
70 805	5000	**76**	135	800	52.0	B · C
70 814*	5000	**76**	135	800	56.0	B · C
70 806	6000	**76**	140	1000	68.0	B · C
70 816*	6000	**76**	140	1000	70.0	B · C
70 807	7000	**76**	160	1200	96.0	B · C
70 808	8000	**76**	170	1200	119.0	B · C
70 809	9000	**76**	195	1500	151.0	B · C

Group 72

Conical steel lum. poles · Hot-dip galvanised and lacquered

Pole	H	d	Ø	E	kg	Connection box
70 880	2500	**60**	115	800	25.0	A · B
70 881	3000	**60**	115	800	28.0	A · B
70 882	3500	**60**	115	800	35.0	A · B
70 883	4000	**60**	115	800	38.0	A · B
70 888	3000	**76**	115	800	31.0	A · B
70 885	3500	**76**	115	800	36.0	A · B
70 884	4000	**76**	135	800	42.0	B · C
70 887	4500	**76**	135	800	46.0	B · C
70 886	5000	**76**	135	800	52.0	B · C
70 878*	5000	**76**	135	800	56.0	B · C
70 834	6000	**76**	140	1000	68.0	B · C
70 879*	6000	**76**	140	1000	70.0	B · C
70 835	7000	**76**	160	1200	96.0	B · C
70 836	8000	**76**	170	1200	119.0	B · C
70 837	9000	**76**	195	1500	151.0	B · C

Group 63

Cylindrical steel luminaire poles · Hot-dip galvanised

Pole	H	d	Ø	E	kg	Connection box
71 201	4000	**76**	135	800	38.0	B · C
71 203	5000	**76**	135	800	46.0	B · C
71 205	6000	**76**	135	1000	60.0	B · C

Group 73

Cylindrical steel lum. poles · Hot-dip galvanised and lacquered

Pole	H	d	Ø	E	kg	Connection box
71 202	4000	**76**	135	800	38.0	B · C
71 204	5000	**76**	135	800	46.0	B · C
71 206	6000	**76**	135	1000	60.0	B · C

***** Reinforced version

H = Height of pole, without anchorage section **d = Pole top diameter** Ø = Diameter of pole base E = Anchorage section kg = Total weight



Group 62



Group 63



Group 72



Group 73



Light distribution curves, illumination diagrams and isolux diagrams

Careful planning work is required to solve lighting tasks. The necessary information about the properties of luminaires is given in light distribution curves, illumination and isolux diagrams.

The following section provides basic explanations and clarifications on this topic.

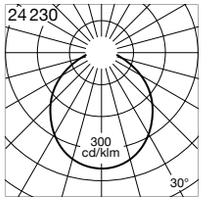


Fig. 1

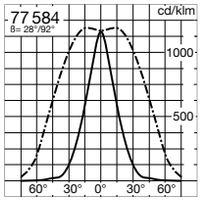


Fig. 2

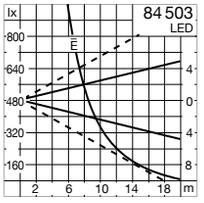


Fig. 3

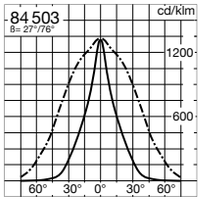


Fig. 4

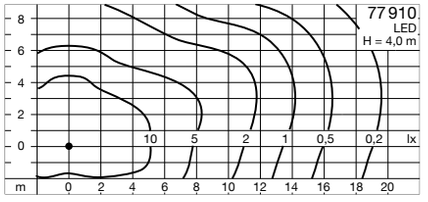


Fig. 5

Light distribution curves

Light distribution curves specify in what direction and with what intensity a luminaire emits light. The absolute luminous intensity value in candela (cd) for LED luminaires is obtained through the multiplication of the value read off the diagram in cd/klm by the luminaire luminous flux in kilolumen (klm).

Light distribution curves are usually presented in a polar coordinate system (Fig. 1).

For floodlights, the light distribution is specified in Cartesian coordinates (Fig. 2).

The diagrams also show the half beam angles – continuous line (C 0 - C 180 · β = 28°) and dotted line (C 90 - C 270 · β = 92°).

The luminous intensity values are plotted on the vertical axis and the beam angles on the horizontal axis.

Illumination diagrams

Illumination diagrams for floodlights (Fig. 3) specify the dimensions of the area limited by the two half beam angles (Fig. 4) and the average degree of illuminance of this area, depending on the distance. Using the parameters “floodlight – area – horizontal axis” it is possible to take the following readings:

- The height (continuous line, C 0 - C 180 · β = 27°) and the width (dotted line, C 90 - C 270 · β = 76°) of the limited area on the vertical axis on the right
- The average degree of illuminance (parabola) in lux on the vertical axis on the left

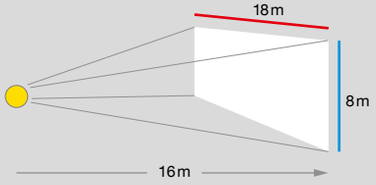
Isolux diagrams

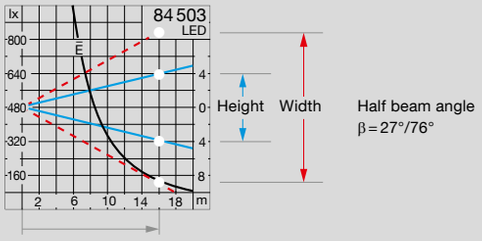
Isolux diagrams (Fig. 5) specify the distribution of the degree of illuminance on an illuminated surface. Points with the same degree of illuminance are connected to each other by means of curves (isolux lines). The luminaire is perpendicular to the drawing plane at the mounting height (H) above the coordinate origin. Depending on the luminaire type, the mounting height or the corresponding pole height is indicated.

The light point interval is approximately twice the distance at which the isolux line which belongs to half of the value of the desired minimum illuminance runs.

Example:
In the isolux diagram shown, the 0.5 lx line runs laterally at a distance of 16 m from the coordinate origin. If a path is to be illuminated (Emin ≥ 1 lx), then a light point interval of approx. 32 m must be selected. In the case of luminaires with rotationally symmetrical light distribution, the resulting isolux lines are concentric circles.

Determining the distance of a floodlight from the illuminated surface using a light distribution curve





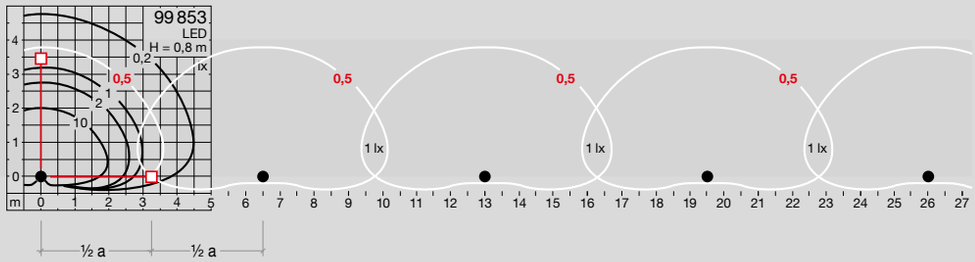
Distance from the floodlight to the surface: 16 m

The façade to be illuminated has a height of 8 m (blue line) and a width of 18 m (red line).
High-performance floodlight 84 503 with flat beam light distribution has a half beam angle of 27° and 76°.
At a distance of 16 m, the half beam angles cover the dimensions of the façade exactly.
The parabola indicates the average degree of illuminance in lux on the illuminated surface.

These values can be read from the left vertical axis of the illumination diagram. The average degree of illuminance on this reference surface is therefore 150 lx.
Changes in the distance between the floodlights influence not only the average degree of illuminance but also the size of the illuminated surface. It must be noted that the diffuse light illuminates more than the previously calculated surface. As a result, even the peripheral areas of a slightly larger façade would still be well illuminated.



Determining the luminaire spacing “a” for pathway lighting of E_{min} = 1 lx on the basis of the isolux diagram



When planning pathway lighting, 1 lx is defined as the standard minimum illuminance. Consequently, the 0.5 lx line in the isolux diagram is relevant for determining the luminaire spacing. The 0.5 lx must add up to 1 lx degree of illuminance on the assessed surface in order to define the luminaire spacing. This results in light point spacing of 6.5 m.
During planning, local conditions such as the colour and characteristics of the ground must also be taken into consideration. These factors have a significant influence the reflective behaviour of light and can lead to the impression of insufficient illumination even when the degree of illuminance meets the standards.
An illumination test at the installation site is therefore recommended for optimal planning results.





Degree of illuminance, reflection and luminance

The luminance and thus the effect of the illuminated building or memorial are influenced significantly by the degree of reflection, which is reduced through the accumulation of dirt. However, the effect of the dirt diminishes with the degree of darkness and roughness of the original material. The degree of illuminance must be adjusted accordingly in order to achieve the same luminance or the same perceptive impression.

The effect of the building is all the more impressive the more it stands out from the background. The illumination of a tower in the middle of an illuminated city requires a higher degree of illuminance than if the background of a building is dark, e.g. a castle standing alone in the landscape.

The table shows the change in degrees of illuminance, depending on the surroundings of objects and the surface materials.
The degree of illuminance E (lx) and the degree of reflection of the surface ρ are included in the calculation of luminance L (cd/m²) in accordance with the following formula:
$L = E \cdot \rho / \pi$

	Illuminated surfaces	**Coloured finishes**	**Stone**	**Brick**	**Wood**	**Concrete**	**Metal**
	Reflection	90 - 10 %	60 - 10 %	60 - 10 %	60 - 20 %	60 - 40 %	60 - 20 %
		Degree of illuminance required					
	Solitary building in dark surroundings Luminance: **L = 5 cd/m²**	7.5 - 90 lx	15 - 90 lx	20 - 100 lx	20 - 80 lx	30 - 60 lx	30 - 100 lx
	Building in dark surroundings in a village Luminance: **L = 10 cd/m²**	15 - 180 lx	30 - 180 lx	40 - 200 lx	40 - 160 lx	60 - 120 lx	60 - 200 lx
	Building in medium-bright surroundings in a small town Luminance: **L = 15 cd/m²**	22.5 - 270 lx	45 - 270 lx	60 - 320 lx	60 - 240 lx	90 - 180 lx	80 - 300 lx
	Building in bright surroundings in a large city Luminance: **L = 20 cd/m²**	30 - 360 lx	60 - 360 lx	80 - 420 lx	80 - 320 lx	120 - 240 lx	120 - 400 lx

Influence of reflection surfaces

Despite standardised illumination, the level of illumination may be felt to be too low, depending on the nature of the floor, wall and ceiling surfaces.

In public areas, standards for light planning are very helpful. However, the influence of the spatial conditions must not be neglected. Examples of this are a public hall, a public square and a main road in a city centre.

Lighting standards for the square and the hall are indicated in lux (lx), that is, the degree of illuminance. Standards main roads in city centres are defined in luminance with candela per square metre (cd/m²).

Public hall · 800 m²		
Degree of illuminance	**200 lx**	
	Light room	Dark room
Floor reflection	20 %	10 %
Wall reflection	50 %	30 %
Ceiling reflection	70 %	50 %
Luminance	**12 cd/m²**	**6 cd/m²**
Our recommendation	✓	**+ 100 lx**

An average degree of illuminance of 200 lx applies for the public hall. Proceeding from an average room, the standard is based on clearly defined reflective properties of walls, ceilings and floors. If these parameters are changed, the standardised degree of illuminance remains constant at 200 lx. However, the impression of the room is completely different. The illumination level is perceived to be too low. From the table it can be seen that the luminance falls to 50% of the initial value. In this case, we recommend raising the degree of illuminance by around 100 lx to 300 lx.
The illumination in the room will then be perceived as pleasant.

Public square · 2500 m²		
Degree of illuminance	**10 lx**	
	Light ground	Dark ground
Floor reflection	30 %	10 %
Luminance	**1 cd/m²**	**0.35 cd/m²**
Our recommendation	✓	**+ 10 lx**

The same largely applies for the space situation in the public square. The value for the degree of illuminance is estimated to be 10 lx.

On light-coloured ground with a reflection level of 30%, the luminance level reaches 1 cd/m². If the reflection level of the ground is reduced to 10%, and the standardised degree of illuminance remains at 10 lx, the luminance is only 0.35 cd/m². Here we recommend raising the degree of illuminance by 10 lx. The illumination of the square will then be perceived as pleasant.

Inner-city main road Pole-top luminaire BEGA 99 556 (34.5 W · 4880 lm)		
Luminance	**0.5 cd/m²**	
	Light road surface **C1**	Dark road surface **C2**
Luminaire spacing	36 m	26 m
Luminaires over a distance of 1 km	**28 luminaires**	**38 luminaires**

As far as road lighting is concerned, the uniformity of the light on the carriageway and the related distances between the luminaires are critical for the planners. The standard specifies values for average luminance.
The adjacent table shows the effects of light and dark road surfaces on the distances between luminaires.

On a light-coloured road surface (C1), the luminaire spacing is 36 m. With dark road surfaces (C2), the distance is reduced by 10 m to 26 m. Over a distance of one kilometre, this amounts to 28 luminaires instead of 38.
The choice of road surface thus has a direct economic effect, which should not be neglected during planning.



Reference values for illumination

Our lighting information and illumination plans are based on our own experiences, the illumination manual and the following DIN and EN standards.

DIN EN 12 464-1 und -2 “Light and lighting – Lighting of work places”
DIN EN 13 201 “Road lighting”
DIN EN 12 193 “Light and lighting – Sports lighting”

The binding DIN and EN standards are published by Beuth Verlag, Berlin.
Additional DIN and EN standards, as well as information on the topic of lighting design, are published in our reference work “About light and illumination”, the contents of which can also be found on our website.

Car parks · DIN EN 12464-2

Traffic volume is taken into account when illuminating car parks.

- **Low traffic volume:** Car parks for shops, terraced houses and apartment blocks, parking areas for bicycles
- **Medium traffic volume:** Car parks for department stores, office buildings, factories, sports facilities and multi-purpose halls
- **High traffic volume:** Car parks for schools, churches, large shopping centres, large sports facilities and multi-purpose halls

Car parks	$\bar{E}$ (lx)	U_0	GR_L
Low volume of traffic	5	0.25	55
Medium volume of traffic	10	0.25	50
High volume of traffic	20	0.25	50

Parking garages · DIN EN 12464-1

Various safety-relevant areas must be observed when illuminating parking garages. The “switch” situation in particular requires a consistently high degree of illuminance.

Parking garages	$\bar{E}$ (lx)
Entrance/exit at day time	300
Entrance/exit at night time	75
Lanes	75
Parking spaces	75
Counter (automatic pay station)	300
Outside ramps	25

$\bar{L}$	Maintained illuminance of the average luminance on the carriageway, below which illuminance must not fall at any time.
$\bar{E}$	Maintained illuminance of the average degree of illuminance on the carriageway, below which illuminance must not fall at any time.
E_{min}	Maintained illuminance of the minimum degree of illuminance on the carriageway.
E_{min}/E_{av}	Uniformity of the degree of illuminance
U_0	Total uniformity, relationship between the lowest luminance (or degree of illuminance) and the average value on the surface of the carriageway.
U_l	Longitudinal uniformity, relationship between the lowest and the highest luminance on the centre line of a traffic lane.
f_{ti}	Increase in threshold value, measure of the loss of visibility of a visual object as a result of physiological glare caused by excessively bright luminaires.
R_{EI}	Environment illuminance ratio to improve spatial orientation, so that the areas beside the carriageway, if not illuminated themselves, are still recognisable.

Road lighting · DIN EN 13201

With road lighting, a general distinction is made between two evaluation criteria.
For roads with traffic > 30 km/h, the brightness of the carriageway is assessed according to luminance in the classes M1 - M6. Roads with traffic ≤ 30 km/h, including traffic-calmed roads, pavements and cycle paths, are assessed according to lighting classes P1 - P6.

Class	$\bar{L}$ (cd/m²)	U_0	U_l	f_{TI} (in %)	R_{EI}
M1	2.0	0.4	0.7	10	0.35
M2	1.5	0.4	0.7	10	0.35
M3	1.0	0.4	0.6	15	0.3
M4	0.75	0.4	0.6	15	0.3
M5	0.5	0.35	0.4	15	0.3
M6	0.3	0.35	0.4	20	0.3

Class	$\bar{E}$ (lx)	E_{min} (lx)
P1	15	3
P2	10	2
P3	7.5	1.5
P4	5	1
P5	3	0.6
P6	2	0.4

Pedestrian areas · DIN EN 12464

New urban planning concepts for pedestrian zones and residential courtyards place the mains focus on people. Public areas are intended to promote communication. The selection and arrangement of the right luminaires is an essential design feature. Luminaires should be sufficiently glare-free and at the same time illuminate adjacent façades. This facilitates orientation and improves safety.

Outdoors	$\bar{E}$ (lx)	E_{min} (lx)
Level footpaths	–	≥ 1
Footpaths in work places	5	–
Stairs	15	–
Ramps	15	–
Arcades, passageways	20	–

Indoors	$\bar{E}$ (lx)	U_0
Traffic areas/corridors	100	0.4
Stairs	100	0.4
Platforms	100	0.4
Subways	50	0.5

Sports lighting · DIN EN 12193

The lighting in sports venues, indoor sports halls and swimming pools should create optimum conditions for the sportspersons, spectators and referees. Depending on the level of competition, a distinction is made between three levels of illumination.
- Class I: international / national and regional
- Class II: regional and local
- Class III: local, training, school and recreational sport

	Class II		Class III	
Sports facility	$\bar{E}$ (lx)	E_{min}/E_{av}	$\bar{E}$ (lx)	E_{min}/E_{av}
Football pitch	200	0.6	75	0.5
Gymnasium	300	0.7	200	0.7
Tennis court	300	0.7	200	0.6
Indoor tennis court	500	0.7	300	0.5
Riding arena	200	0.5	100	0.5
Indoor riding arena	300	0.6	200	0.5
Indoor swimming pool	300	0.7	200	0.5



Electrical safety

The luminaires in this catalogue are designed and manufactured on the basis of the IEC / EN 60598 (VDE 071 1) regulations.
The majority of the luminaires bear the corresponding test symbol. The remaining luminaires have been or are being prepared for testing but the certification and approval procedure has not yet been completed. Please feel free to contact us at any time for news about the current state of the approvals.
Custom-made products are manufactured on the basis of the above-mentioned standard. All luminaires are subject to continuous production monitoring and quality inspection.

AC/DC marking

Luminaires marked AC/DC in the tables can be operated with alternating or direct voltage in stand-by lighting systems. The suitability of these luminaires for integration in emergency lighting luminaires must be examined by BEGA.

Special electrical equipment Emergency lighting

If you want to integrate our luminaires into emergency escape lighting systems in accordance with DIN VDE 0108-100 or prepare them for connection to a central battery system or emergency lighting system, we will be happy to inform you about the options and costs.

Safety symbols

10

The ENEC symbol (European Norms Electrical Certification) is a European test and certification symbol for luminaires and electrical components in luminaires. The number 10 with or without VDE symbol signifies that the test/certification symbol was issued by the VDE Institute for Testing and Certification.

D

Due to their limited surface temperatures, luminaires bearing this symbol are suitable for business premises where dust or fibrous material present a fire hazard (VDE 071 1 · Part 2-24).

Luminaires bearing this symbol must not be in direct contact with thermal insulating materials.

$t_a = ... °C$

The $t_a = ... °C$ symbol in accordance with IEC / EN 60598 (VDE 0711) indicates the permissible ambient temperature at which a luminaire may be operated. Our luminaires are generally designed for an ambient temperature of $t_a = 25 °C$, i.e. for indoor use.

max. $t_a = ... °C$

The max. $t_a = ... °C$ symbol indicates the maximum ambient temperature at which a luminaire may be operated.

CE

The CE symbol is affixed at the manufacturer's responsibility and is not a safety symbol. The manufacturer uses it to document conformity with European Union directives.

CE 0780

The number alongside the CE symbol indicates that an inspection and certification body checks compliance with the guidelines.



Protection classes

These classes provide information on a luminaire's resistance to the ingress of dust, solid foreign bodies and water in accordance with IEC / EN 60598 (VDE 0711).
The respective IP (International Protection) is indicated on the luminaire by the marking system in accordance with IEC 529.

Protection against solid foreign objects

IP 1x	Protection against ingress of solid objects ≥ 50 mm
IP 2x	Protection against solid objects ≥ 12 mm
IP 3x	Protection against solid objects ≥ 2.5 mm
IP 4x	Protection against solid objects ≥ 1 mm
IP 5x	Dust protected
IP 6x	Dust-tight

Water protection

IP x1	Protected against vertically dripping water
IP x2	Protected against drops of water falling at angles up to 15°
IP x3	Protected against spray water falling at angles up to 60°
IP x4	Protected against splashing water
IP x5	Protected against water jets
IP x6	Protected against strong water jets
IP x7	Protected against occasional immersion
IP x8...m	Protected against prolonged immersion







Safety classes

Safety class I designates luminaires with an earth connection.
In the event of a fault, the power supply is switched off by overload/residual current protective devices.

Safety class II Indicates luminaires with protective insulation in addition to functional insulation. Under fault conditions, no dangerous voltage can reach metal parts which can be touched. Many safety class I luminaires are also available in safety class II. Please contact us.

Safety class III designates luminaires operating on extra-low safety voltage.
They can be connected only to safety transformers in accordance with EN 61558 / VDE 0570, EN 61347 / VDE 712 or VDE 0100 Part 410. The transformer must be approved for this type of installation.

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99 877	447

BEGA paint care set for BEGA outdoor luminaires

Care and reconditioning of painted BEGA outdoor luminaires

The BEGA paint care set is suitable for the maintenance of painted BEGA luminaire surfaces in outdoor areas. The set consists of a cleaner and a refresher.

The BEGA paint care set is used to first clean and then activate and refresh the paint colour of the outdoor luminaires for the efficient BEGA protection of metallic surfaces.

For outdoor use only

Contents:
- Cleaner 500 ml spray bottle
- Refresher 500 ml bottle
- Cleaning sponge
- Microfibre cloth

71 179 Paint care set for BEGA outdoor luminaires





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