



Light Shadow PRO 90 Fixed

IC Rated / Airtight Recessed Downlight Designed by Flos Architectural

Description

The natural evolution of Light Shadow, now available in Pro versions. This high comfort downlight can be integrated in the space thanks to his reduced size and compact structure. Born to give high efficiency lighting with the highest standards of visual comfort when using the black patented reflectors. The dual focus lenses that the PRO family uses are developed by Flos to ensure the maximum control and give and exceptional even light beam. Light shadow PRO takes advantage of an innovative micro-textures silicone lens that allows extreme control without sacrificing the product efficiency. A total of 5 optics are available in this collection: Super Spot, Spot, Medium, Flood, Wide Flood.

Lamp

Lamp Type	LED
Wattage	18W
Initial Lumens	2324lm, 2419lm, 2520lm
Color Temperature	2700K, 3000K, 4000K *3500K (See Notes)
Color rendering	90

Optical

Beam Angle	10°/ 14°/ 27° /39° / 48°
Lighting Type	Direct
Light Distribution	Symmetric

Physical

Material	Aluminum
Aiming	Fixed
Weight	0.5 Pounds
Ingress Protection Rating	IP54

Finishes:

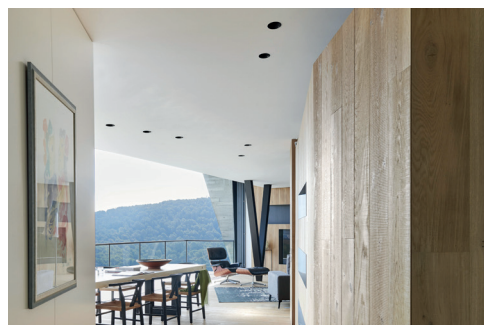
☐ White ☒ Black ☐ Steel ☐ Bronze ☐ Copper



Installation type Ceiling Recessed - Remote from Housing, IC-Rated"

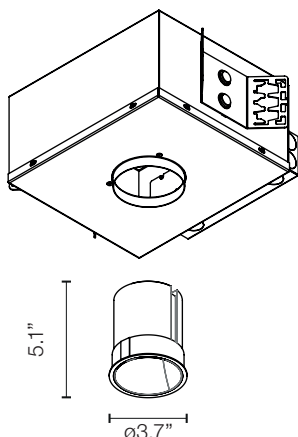
Environment Indoor

Maximum Plenum Height: 6.5"



Dimensions

HOUSING: 12.7" x 11.9" x 6.1"



Certifications



Photometrics

For current IES files please visit arch.flosusa.com

Warranty

2 years from date of sale.



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Electrical & Control

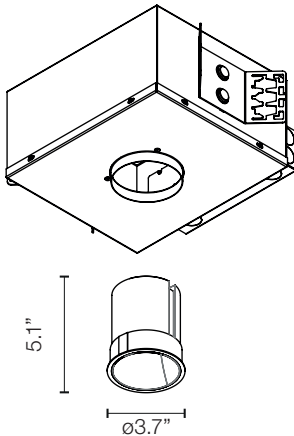
Driver Location	Remote from Housing
Driver Input Voltage	120V- 277V
Control	0-10V
Current	500mA

Performance

Delivered Lumens	1793lm, 1914lm, 2011lm
Efficacy	91,4lm/W

Dimensions

HOUSING: 12.7" x 11.9" x 6.1"



Notes

Black reflector provides the greatest comfort level

Integral LED board is not field replaceable.

Pre-Installation frame required. Depending on Installation requirements select Trim or Trimless Installation frames

Airtight Listed housing for new construction only.

CCEA, Chicago Plenum standard 0-10V Dimmable and ELV.

IC-rated downlight for direct insulation contact.

3500K and other CCT available but not cataloged. Consult factory for additional color temperatures.

Certifications



Photometrics

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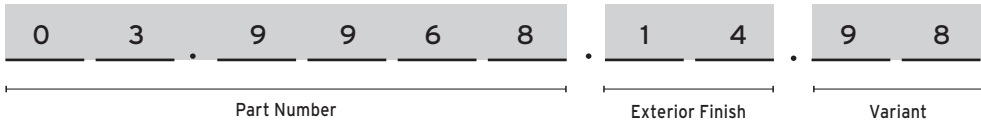
Warranty

2 years from date of sale.

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How to specify



Optic Super Spot (10°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1035	1300	18	10°	03.9968	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	<p>Beam Angle: 10° h(m) E(lx) D(m) 1 35593 0.17 2 8898 0.34 3 3955 0.51 4 2225 0.67 5 1424 0.84 Luminous flux luminaire 1300 lm</p>
3000	90	1115	1368	18		03.9969	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	<p>Beam Angle: 10° h(m) E(lx) D(m) 1 37479 0.17 2 9370 0.34 3 4164 0.51 4 2342 0.67 5 1499 0.84 Luminous flux luminaire 1368 lm</p>
4000	90	1185	1491	18		03.9924	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	<p>Beam Angle: 10° h(m) E(lx) D(m) 1 40831 0.17 2 10208 0.34 3 4537 0.51 4 2552 0.67 5 1633 0.84 Luminous flux luminaire 1491 lm</p>

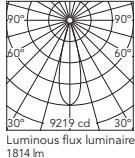
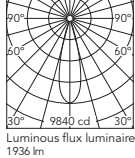
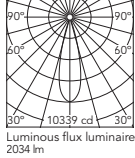
Optic Spot (14°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1035	1786	18	14°	03.9960	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	<p>Beam Angle: 14° h(m) E(lx) D(m) 1 24449 0.25 2 6112 0.50 3 2717 0.75 4 1528 1.00 5 978 1.25 Luminous flux luminaire 1786 lm</p>
3000	90	1115	1906	18		03.9964	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	<p>Beam Angle: 14° h(m) E(lx) D(m) 1 26098 0.25 2 6524 0.50 3 2900 0.75 4 1631 1.00 5 1044 1.25 Luminous flux luminaire 1906 lm</p>
4000	90	1185	2003	18		03.9920	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	<p>Beam Angle: 14° h(m) E(lx) D(m) 1 27421 0.25 2 6855 0.50 3 3047 0.75 4 1714 1.00 5 1097 1.25 Luminous flux luminaire 2003 lm</p>

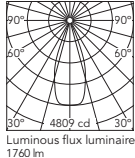
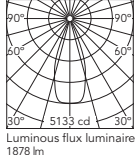
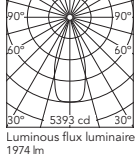
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Optic Medium (27°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1035	1814	18	27°	03.9961	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	 <p>Beam Angle: 27° h(m) E(lx) D(m) 1 9219 0.48 2 2305 0.95 3 1024 1.43 4 576 1.90 5 369 2.38 Luminous flux luminaire 1814 lm</p>
3000	90	1115	1936	18		03.9965	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	 <p>Beam Angle: 27° h(m) E(lx) D(m) 1 9840 0.48 2 2460 0.95 3 1093 1.43 4 615 1.90 5 394 2.38 Luminous flux luminaire 1936 lm</p>
4000	90	1185	2034	18		03.9921	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	 <p>Beam Angle: 27° h(m) E(lx) D(m) 1 10339 0.48 2 2585 0.95 3 1149 1.43 4 646 1.90 5 414 2.38 Luminous flux luminaire 2034 lm</p>

Optic Flood (39°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1035	1760	18	39°	03.9962	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	 <p>Beam Angle: 39° h(m) E(lx) D(m) 1 4809 0.71 2 1202 1.42 3 534 2.13 4 301 2.85 5 192 3.56 Luminous flux luminaire 1760 lm</p>
3000	90	1115	1878	18		03.9966	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	 <p>Beam Angle: 39° h(m) E(lx) D(m) 1 5133 0.71 2 1283 1.42 3 570 2.13 4 321 2.85 5 205 3.56 Luminous flux luminaire 1878 lm</p>
4000	90	1185	1974	18		03.9922	<div>14 Black</div> <div>40 White</div> <div>ER Steel</div> <div>ES Bronze</div> <div>EQ Copper</div>	 <p>Beam Angle: 39° h(m) E(lx) D(m) 1 5393 0.71 2 1348 1.42 3 599 2.13 4 337 2.85 5 216 3.56 Luminous flux luminaire 1974 lm</p>

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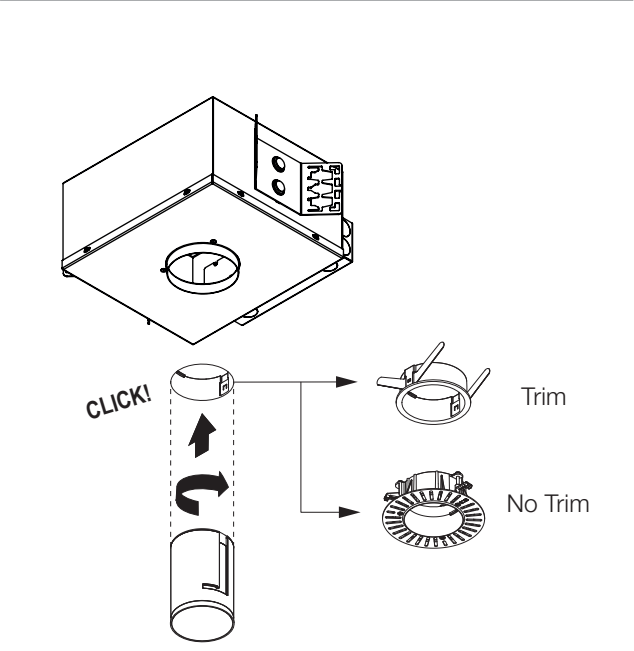
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Table with 9 columns: CCT, CRI, Initial Lumens, Delivered Lumens, Watts, Beam Angle, Part Number, Finish, Photometrics. It lists three configurations for the Light Shadow PRO 90 Fixed downlight, all with a 48° beam angle. The configurations vary by CCT (2700K, 3000K, 4000K), CRI (90), Initial Lumens, Delivered Lumens, Watts (18W), and Part Number (03.9963, 03.9967, 03.9923). Each configuration lists five finish options: 14 Black, 40 White, ER Steel, ES Bronze, and EQ Copper. The Photometrics section includes a beam spread diagram and a table of beam dimensions (H(m), E(ft), D(m)) for five different heights, along with luminous flux and luminaire efficacy.

Required Accessories

Table with 2 columns: Frame Trim Ø90. and Frame Trimless Ø90. CEILING TYPE: Drywall. It lists the required accessories for the Light Shadow PRO 90 Fixed downlight, including the frame trim (08.0161.40 or 08.0161.14) and the frame trimless (08.0193.00). The table includes images of the accessories and their dimensions: Ø3.9" for the frame trim and Ø4.7" for the frame trimless. The dimensions are given in inches (1.4" and 1.7" for the height, and Ø4.1" and Ø5.5" for the diameter).

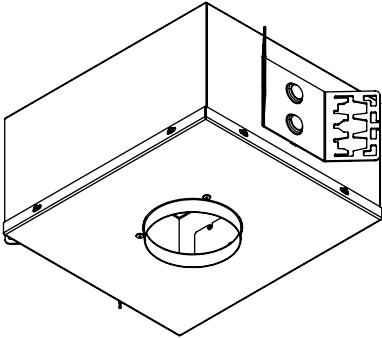
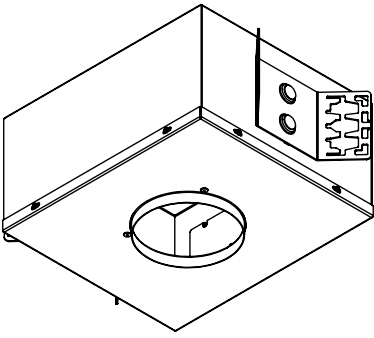
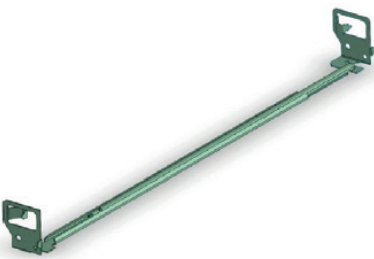
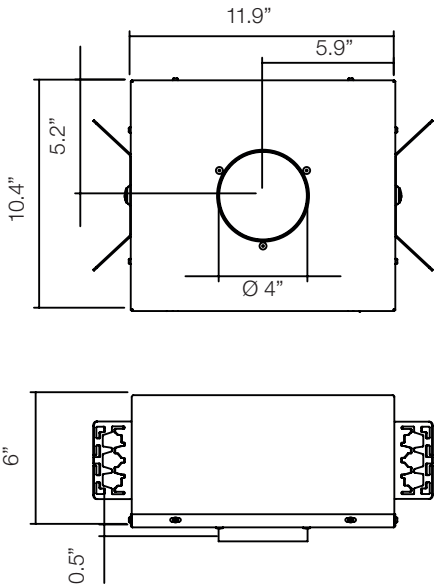
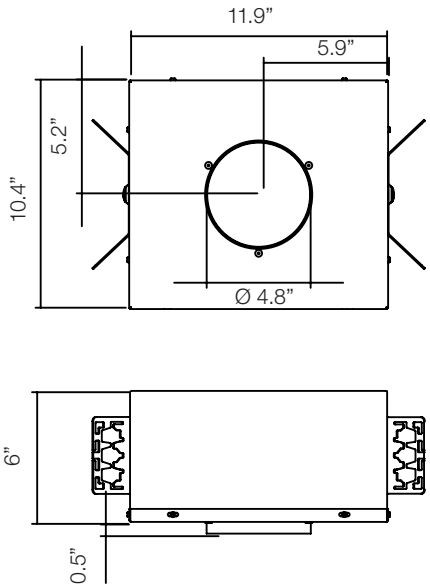
How to order Light Shadow PRO



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Required Mounting Accessories

Light shadow PRO Trim Airtight Housing for New construction, Remote Driver see options below. CCEA Chicago Plenum	Light shadow PRO Trimless Airtight Housing for New construction, Remote Driver see options below. CCEA Chicago Plenum	1 male, 1 female hanger bar Extendable from 14" to 24" centers. Qty required for housing is 2. Part number listed below is a Set of 2
08.7071.00.90	08.7073.00.90	Part Number: 08.1201.00.UL
		
		

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Required Remote Drivers

Osram OTi25. 25W, Prog 150-1250MA, 8-55VDC, 0-10V	ERP ESS030W-0500-42 21W, 500mA, 20-42VDC, Tri Mode dim
SP25W500MA-10V-A01	SP30W500MA-VAR-U02
