



Light Shadow PRO 90 Fixed

IC Rated / Airtight Recessed Downlight Designed by Flos Architectural

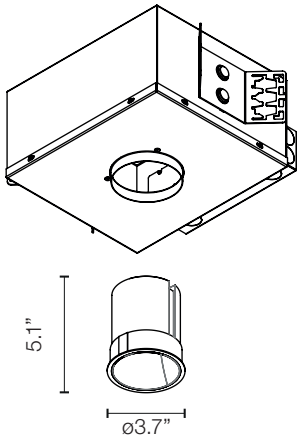
Description

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.



Dimensions

HOUSING: 12.7" x 11.9" x 6.1"



Certifications



JA8-2022 CA  
TITLE 24  
LISTED

Photometrics

For current IES files please visit  
[arch.flosusa.com](http://arch.flosusa.com)

Warranty

2 years from date of sale.

Lamp

Lamp Type	LED
Wattage Super Spot	12.6W
Wattage (Optic S/M/F/WF)	18W
Initial Lumens Super Spot	1484lm
Initial Lumens (Optic S/M/F/WF)	1848lm, 1971lm, 2148lm
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

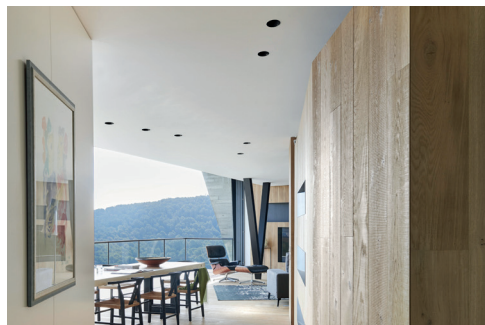
Finishes: ☐ White ☒ Black ☐ Steel ☐ Bronze ☐ Copper





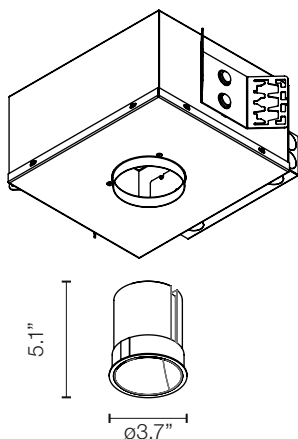
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Installation type	Ceiling Recessed - Remote from Housing, IC-Rated"
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Environment	Indoor
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Maximum Plenum Height:	6.5"
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### Electrical & Control

Driver Location	Remote from Housing
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Driver Input Voltage	120V- 277V
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Control	0-10V
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Current Super Spot	350mA
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Current (Optic S/M/F/WF)	500mA
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Class	2
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### Performance

Delivered Lumens Super Spot	1167lm
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Delivered Lumens (Optic S/M/F/WF)	1167lm, 1506lm, 1725lm, 1836lm
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Efficacy	up to 102 lm/W
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### 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.

JA8 Certification.

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

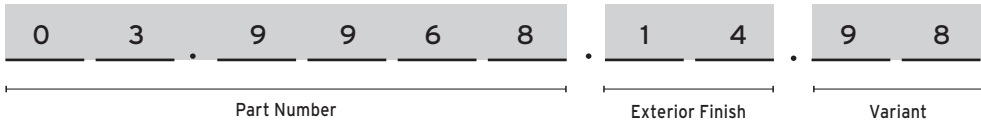
IC-rated downlight for direct insulation contact.

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

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How to specify



Optic Super Spot (10°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts (Super Spot)	Beam Angle	Part Number	Finish	Photometrics
2700	90	1320	1167	12.6	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	1403	1240	12.6		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	1484	1312	12.6		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	1848	1506	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	1971	1606	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	2148	1750	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	1848	1522	18	27°	03.9961	14 Black 40 White ER Steel ES Bronze EQ Copper	<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	1971	1642	18		03.9965	14 Black 40 White ER Steel ES Bronze EQ Copper	<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	2148	1770	18		03.9921	14 Black 40 White ER Steel ES Bronze EQ Copper	<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	1848	1484	18	39°	03.9962	14 Black 40 White ER Steel ES Bronze EQ Copper	<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	1971	1538	18		03.9966	14 Black 40 White ER Steel ES Bronze EQ Copper	<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	2148	1725	18		03.9922	14 Black 40 White ER Steel ES Bronze EQ Copper	<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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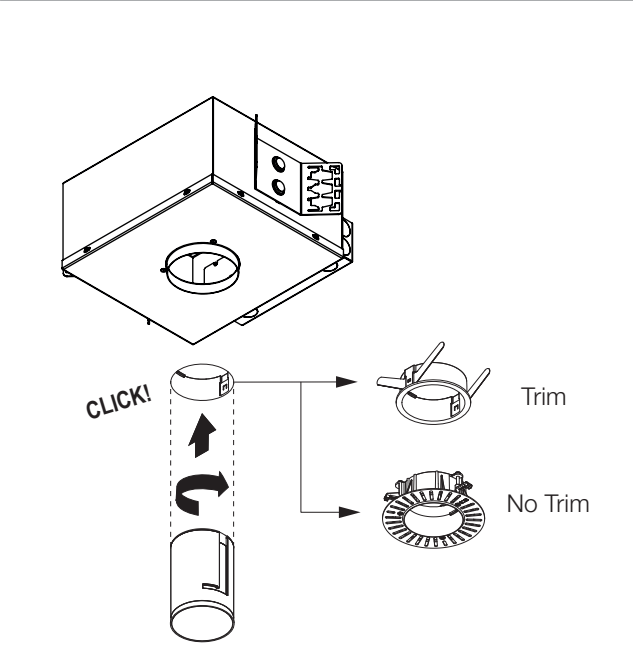
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Table with 9 columns: CCT, CRI, Initial Lumens, Delivered Lumens, Watts, Beam Angle, Part Number, Finish, Photometrics. It lists three configurations for the 48° beam angle fixture, including part numbers 03.9963, 03.9967, and 03.9923, and their respective photometric data.

Required Accessories

Table with 2 columns: Frame Trim Ø90. and Frame Trimless Ø90. CEILING TYPE: Drywall. It provides part numbers (08.0161.40, 08.0161.14, 08.0193.00) and technical drawings with dimensions for both trim and trimless versions.

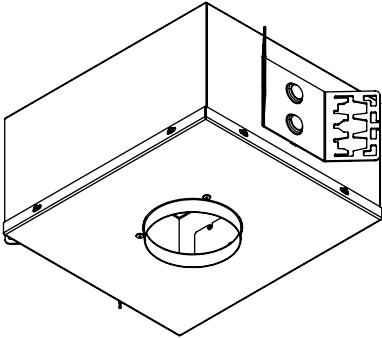
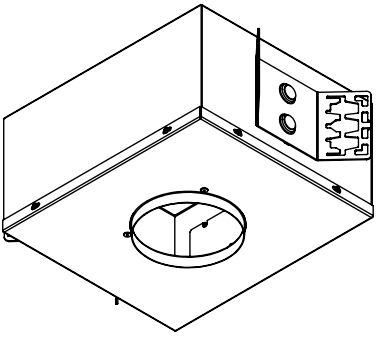

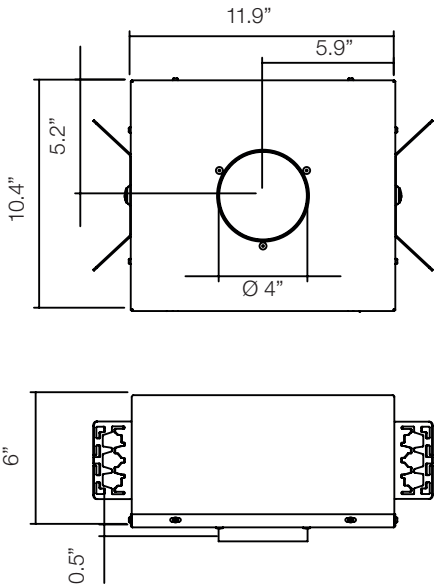
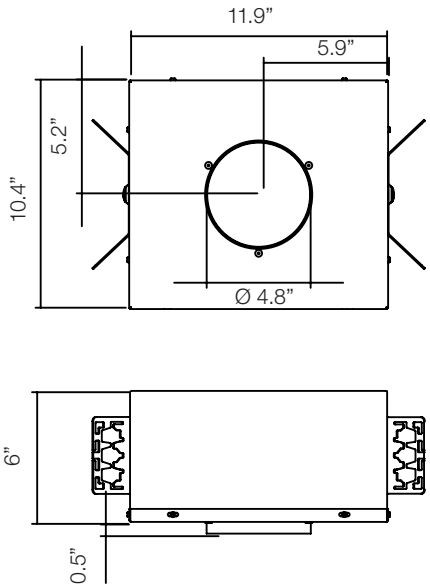
How to order Light Shadow PRO



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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
08.7071.00A90	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	

Required Remote Drivers for Optic Super Spot

Osram OTi25. 25W, Prog 150-1250mA, 8-55VDC, 0-10V	Lutron PEQ11UVN-2A035 . 20W max, 0.15 - 1.05A, 10-54VDC. Dgtl Eco 0.1%	Magtech MD22-U42-0350-Xz. 20W, 350mA, 27-42VDC, Tri mode dim
SP25W350MA-10V-A02	SP20W350MA-PEQ-S01	SP22W350MA-VAR-C01