



Light Shadow PRO 90 Fixed

IC Rated / Airtight Recessed Downlight Designed by Flos Architectural

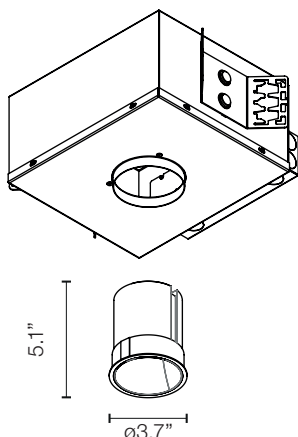
Description

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 an 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

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





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Physical

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

Electrical & Control

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

Performance

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

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

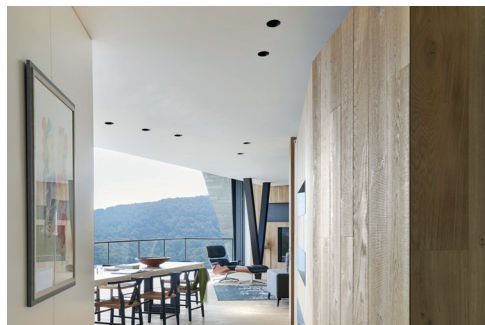
Airtight Listed housing for new construction only.

JA8 Certification.

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

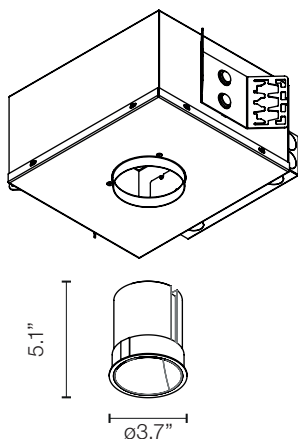
IC-rated downlight for direct insulation contact.

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



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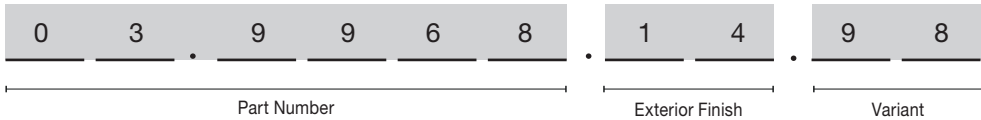
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How to specify



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	14 Black 40 White ER Steel ES Bronze	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
3000	90	1403	1240	12.6		03.9969	14 Black 40 White ER Steel ES Bronze	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
4000	90	1484	1312	12.6		03.9924	14 Black 40 White ER Steel ES Bronze	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

Optic Spot (14°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1848	1506	18	14°	03.9960	14 Black 40 White ER Steel ES Bronze	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
3000	90	1971	1606	18		03.9964	14 Black 40 White ER Steel ES Bronze	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
4000	90	2148	1750	18		03.9920	14 Black 40 White ER Steel ES Bronze	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

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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	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
3000	90	1971	1642	18		03.9965	14 Black 40 White ER Steel ES Bronze	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
4000	90	2148	1770	18		03.9921	14 Black 40 White ER Steel ES Bronze	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

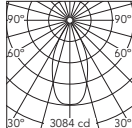
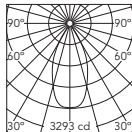
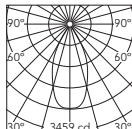
Optic Flood (39°)

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	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
3000	90	1971	1538	18		03.9966	14 Black 40 White ER Steel ES Bronze	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
4000	90	2148	1725	18		03.9922	14 Black 40 White ER Steel ES Bronze	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

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Optic Wide Flood (48°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics																		
2700	90	1848	1579	18	48°	03.9963	14 Black 40 White ER Steel ES Bronze	 Beam Angle: 48° <table><thead><tr><th>h(m)</th><th>E(lx)</th><th>D(m)</th></tr></thead><tbody><tr><td>1</td><td>3084</td><td>0.89</td></tr><tr><td>2</td><td>771</td><td>1.79</td></tr><tr><td>3</td><td>343</td><td>2.68</td></tr><tr><td>4</td><td>193</td><td>3.58</td></tr><tr><td>5</td><td>123</td><td>4.47</td></tr></tbody></table> Luminous flux luminaire 1872 lm	h(m)	E(lx)	D(m)	1	3084	0.89	2	771	1.79	3	343	2.68	4	193	3.58	5	123	4.47
h(m)	E(lx)	D(m)																								
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3000	90	1971	1684	18	03.9967	14 Black 40 White ER Steel ES Bronze	 Beam Angle: 48° <table><thead><tr><th>h(m)</th><th>E(lx)</th><th>D(m)</th></tr></thead><tbody><tr><td>1</td><td>3293</td><td>0.89</td></tr><tr><td>2</td><td>823</td><td>1.79</td></tr><tr><td>3</td><td>366</td><td>2.68</td></tr><tr><td>4</td><td>206</td><td>3.58</td></tr><tr><td>5</td><td>132</td><td>4.47</td></tr></tbody></table> Luminous flux luminaire 1999 lm	h(m)	E(lx)	D(m)	1	3293	0.89	2	823	1.79	3	366	2.68	4	206	3.58	5	132	4.47	
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4000	90	2148	1835	18	03.9923	14 Black 40 White ER Steel ES Bronze	 Beam Angle: 48° <table><thead><tr><th>h(m)</th><th>E(lx)</th><th>D(m)</th></tr></thead><tbody><tr><td>1</td><td>3459</td><td>0.89</td></tr><tr><td>2</td><td>865</td><td>1.79</td></tr><tr><td>3</td><td>384</td><td>2.68</td></tr><tr><td>4</td><td>216</td><td>3.58</td></tr><tr><td>5</td><td>138</td><td>4.47</td></tr></tbody></table> Luminous flux luminaire 2100 lm	h(m)	E(lx)	D(m)	1	3459	0.89	2	865	1.79	3	384	2.68	4	216	3.58	5	138	4.47	
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Required Accessories

Frame Trim Ø90. 08.0161.14 08.0161.40 Ø3.9" 1.4" Ø4.1"	Frame Trimless Ø90. CEILING TYPE: Drywall 08.0193.00 Ø4.7" 1.7" Ø5.5"
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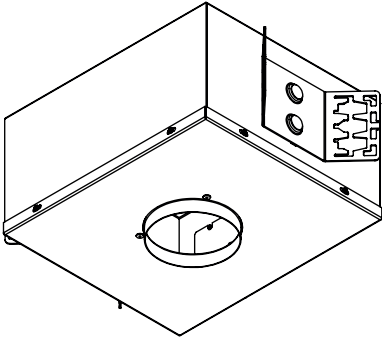
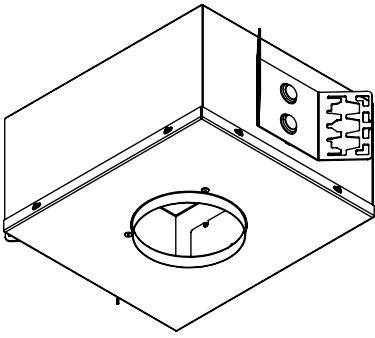
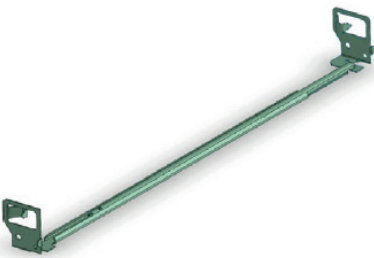
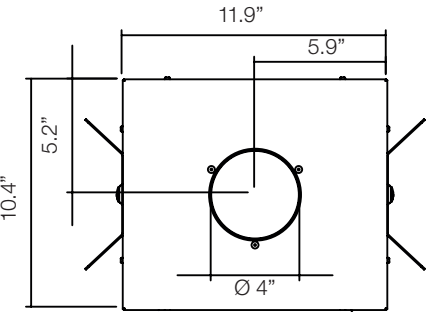
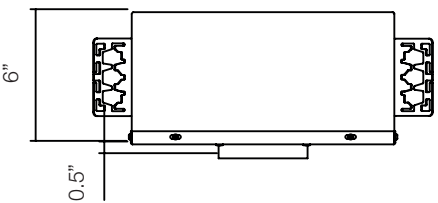
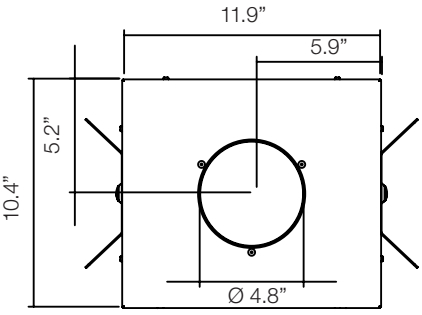
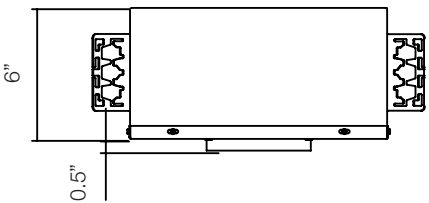
How to order Light Shadow PRO

Diagram illustrating the installation of the Light Shadow PRO fixture. It shows the fixture being clicked into the ceiling, with options for 'Trim' or 'No Trim' installation. The 'CLICK!' label indicates the installation action.

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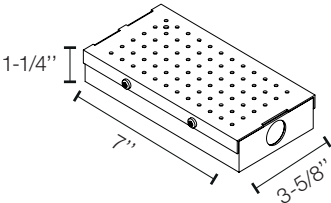
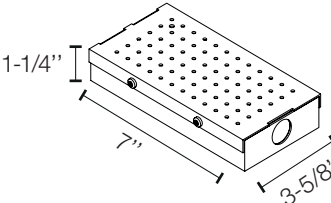
Required Mounting Accessories

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-A02	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
