



Light Shadow PRO 90 Fixed

NON-IC 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.

Lamp

Lamp Type	LED
Wattage Super Spot	14.8W
Wattage (Optic S/M/F)	21.5W
Initial Lumens Super Spot	1867lm, 1593lm, 1752lm
Initial Lumens (Optic S/M/F/WF)	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:

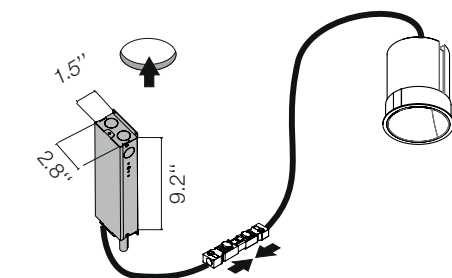
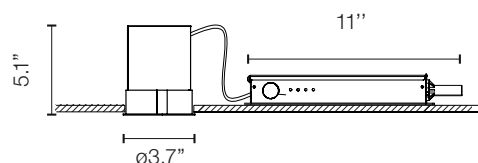
☐ White
 ☒ Black
 ☐ Steel
 ☐ Bronze
 ☐ Copper



Installation type	Ceiling Recessed
Environment	Indoor
Maximum plenum height	11"



Dimensions



Certifications



Photometrics

For current IES files please visit arch.flosusa.com

Warranty

2 years from date of sale.

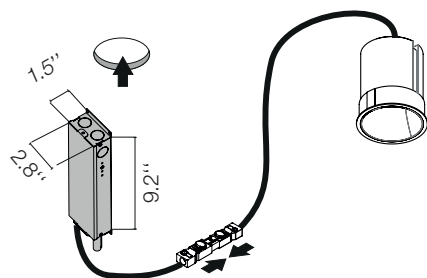
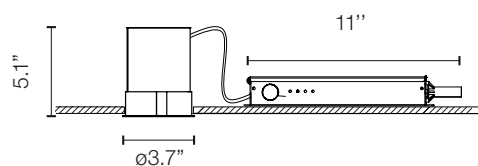


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Dimensions



Certifications



Photometrics

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Warranty

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Electrical & Control

Driver Location	Attached Splice Box
Driver Input Voltage	120V or 277V (depending on Selected Splice Box)
Control	0-10V, ELV
Current Super Spot	400mA
Current (Optic S/M/F/WF)	600mA

Performance

Delivered Lumens Super Spot	1650lm, 1408lm, 1503lm
Delivered Lumens (Optic S/M/F/WF)	1793lm, 1914lm, 2011lm
Efficacy	up to 93 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

Splice Box is installed from below.

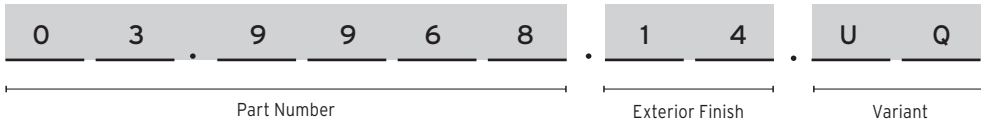
3500K and other CCT available but not cataloged. Consult factory for additional color temperatures.

Min 3" clearance from insulation.

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How to specify



Optic Super Spot (14°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1867	1650	14.8	10°	03.9968	<div><div>14 Black</div><div>40 White</div><div>ER Steel</div><div>ES Bronze</div><div>EQ Copper</div></div>	<div><div><div>90°</div><div>30°</div><div>30°</div><div>90°</div></div><div>35593 cd</div><div>Luminous flux luminaire 1300 lm</div></div> <div>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</div>
3000	90	1593	1408	14.8		03.9969	<div><div>14 Black</div><div>40 White</div><div>ER Steel</div><div>ES Bronze</div><div>EQ Copper</div></div>	<div><div><div>90°</div><div>30°</div><div>30°</div><div>90°</div></div><div>37479 cd</div><div>Luminous flux luminaire 1368 lm</div></div> <div>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</div>
4000	90	1752	1503	14.8		03.9924	<div><div>14 Black</div><div>40 White</div><div>ER Steel</div><div>ES Bronze</div><div>EQ Copper</div></div>	<div><div><div>90°</div><div>30°</div><div>30°</div><div>90°</div></div><div>40831 cd</div><div>Luminous flux luminaire 1491 lm</div></div> <div>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</div>

Optic Spot (14°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1035	1786	21.5	14°	03.9960	<div><div>14 Black</div><div>40 White</div><div>ER Steel</div><div>ES Bronze</div><div>EQ Copper</div></div>	<div><div><div>90°</div><div>30°</div><div>30°</div><div>90°</div></div><div>24449 cd</div><div>Luminous flux luminaire 1786 lm</div></div> <div>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</div>
3000	90	1115	1906	21.5		03.9964	<div><div>14 Black</div><div>40 White</div><div>ER Steel</div><div>ES Bronze</div><div>EQ Copper</div></div>	<div><div><div>90°</div><div>30°</div><div>30°</div><div>90°</div></div><div>26098 cd</div><div>Luminous flux luminaire 1906 lm</div></div> <div>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</div>
4000	90	1185	2003	21.5		03.9920	<div><div>14 Black</div><div>40 White</div><div>ER Steel</div><div>ES Bronze</div><div>EQ Copper</div></div>	<div><div><div>90°</div><div>30°</div><div>30°</div><div>90°</div></div><div>27421 cd</div><div>Luminous flux luminaire 2003 lm</div></div> <div>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</div>

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Optic Medium (27°)

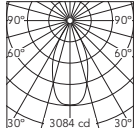
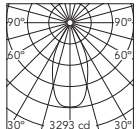
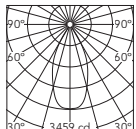
CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics
2700	90	1035	1814	21.5	27°	03.9961	14 Black 40 White ER Steel ES Bronze EQ Copper	<p>Beam Angle: 27° h(m) E(lx) D(m) 1 9219 0.48 2 2305 0.95 3 1024 1.43 4 576 1.90 5 369 2.38 Luminous flux luminaire 1814 lm</p>
3000	90	1115	1936	21.5		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	1185	2034	21.5		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	1035	1760	21.5	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	1115	1878	21.5		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	1185	1974	21.5		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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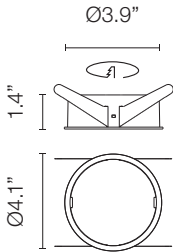

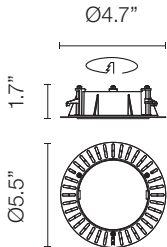
Optic Wide Flood (48°)

CCT	CRI	Initial Lumens	Delivered Lumens	Watts	Beam Angle	Part Number	Finish	Photometrics																		
2700	90	1035	1872	21.5	48°	03.9963	<div><div></div>14 Black</div> <div><div></div>40 White</div> <div><div></div>ER Steel</div> <div><div></div>ES Bronze</div> <div><div></div>EQ Copper</div>	<div><div>Beam Angle: 48°</div><table><thead><tr><th>h(m)</th><th>E(flx)</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><div>Luminous flux luminaire 1872 lm</div></div>	h(m)	E(flx)	D(m)	1	3084	0.89	2	771	1.79	3	343	2.68	4	193	3.58	5	123	4.47
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1	3084	0.89																								
2	771	1.79																								
3	343	2.68																								
4	193	3.58																								
5	123	4.47																								
3000	90	1115	1999	21.5	03.9967	<div><div></div>14 Black</div> <div><div></div>40 White</div> <div><div></div>ER Steel</div> <div><div></div>ES Bronze</div> <div><div></div>EQ Copper</div>	<div><div>Beam Angle: 48°</div><table><thead><tr><th>h(m)</th><th>E(flx)</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><div>Luminous flux luminaire 1999 lm</div></div>	h(m)	E(flx)	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	1185	2100	21.5	03.9923	<div><div></div>14 Black</div> <div><div></div>40 White</div> <div><div></div>ER Steel</div> <div><div></div>ES Bronze</div> <div><div></div>EQ Copper</div>	<div><div>Beam Angle: 48°</div><table><thead><tr><th>h(m)</th><th>E(flx)</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><div>Luminous flux luminaire 2100 lm</div></div>	h(m)	E(flx)	D(m)	1	3459	0.89	2	865	1.79	3	384	2.68	4	216	3.58	5	138	4.47	
h(m)	E(flx)	D(m)																								
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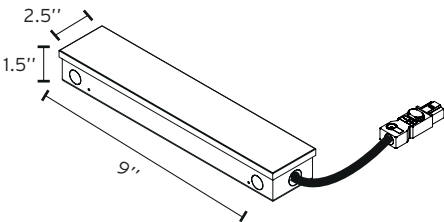
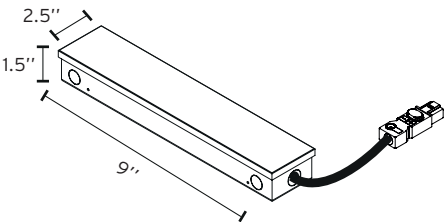
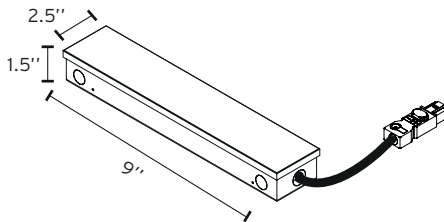
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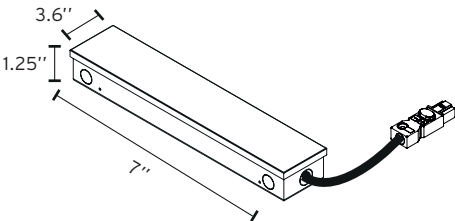
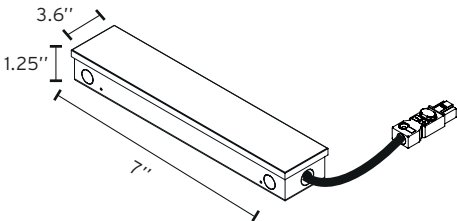
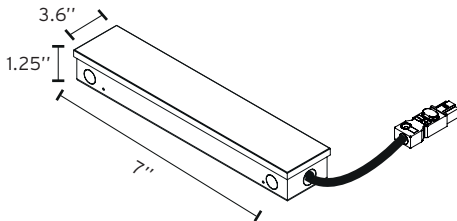
Required Accessories

Frame Trim Ø90. Maximum Ceiling thickness 1"	Frame Trimless Ø90. Maximum Ceiling thickness 1" CEILING TYPE: Drywall
08.0161.40 08.0161.14	08.0193.00
 	 

Required Drivers

Splice Box UL 9" L x 2.5" W x 1.5" H, With Driver Programmed to 600mA , 40W, 0-10V Dimmable, Thermal 120V	Splice Box UL 9" L x 2.5" W x 1.5" H, With Driver Programmed to 600mA , 40W, 0-10V Dimmable, Thermal 277V	Splice Box UL 9" L x 2.5" W x 1.5" H, With Driver Programmed to 600mA , 30W, ELV Dimmable, Thermal 120V
SP40W600MA-120-A01	SP40W600MA-277-A01	SP30W600MA-ELV-U02
		

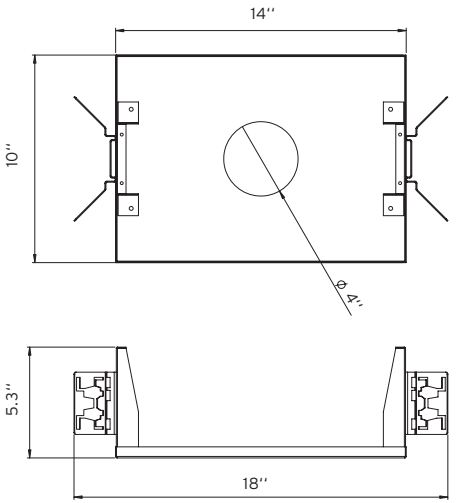
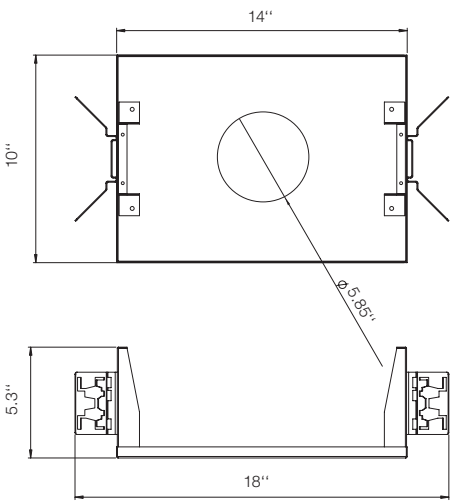
Required Drivers for Optic Super Spot

Splice Box UL 7" L x 3.6" W x 1.25" H, With Driver Programmed to 400mA , 25W, 0-10V Dimmable, Thermal 120V	Splice Box UL 7" L x 3.6" W x 1.25" H, With Driver Programmed to 400mA , 25W, 0-10V Dimmable, Thermal 277V	Splice Box UL 7" L x 3.6" W x 1.25" H, With Driver Programmed to 400mA , 30W, ELV Dimmable, Thermal 120V
SP25W400MA-120-A01	SP25W400MA-277-A01	SP30W400MA-ELV-U01
		

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Tray - Optional Accessories

TRIM registration tray -non electrical, place holder for non IC new construction, 14" x 10" ø 4"	TRIMLESS registration tray -non electrical, place holder for non IC new construction, 14" x 10" ø 5.85"
TRAY-0016	TRAY-0042
	

How to order Light Shadow PRO

