FXLuminaire®

PS Down Light   DESIGNER PLUS

Top-mounted cylindrical down light in 1, 3, 6, or 9 LED. Available in brass and copper. An RGBW version is also available for use with **ZDC** systems.

Quick Facts

- Die-cast C360 brass
- Natural, powder coated, or antiqued copper or brass finish
- Cree® integrated LEDs
- Tamper-resistant features
- Color temperature filters
- Compatible with Luxor® technology
- Dimmable
- Input voltage: 10-15V

3.1" (79 mm)

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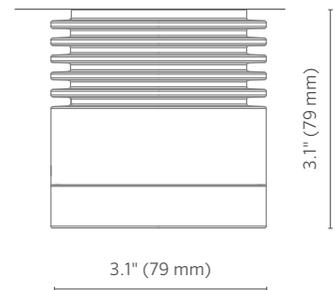
PS Down Light SPECIFICATIONS

Output	1LED	3LED	3LEDT	6LED	9LED	ZDC
Total Lumens†	66	202	157	367	398	174
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W)	2.0	4.2	4.2	10.1	11.2	9.1
VA	2.4	4.5	4.5	13.5	13.5	11.0
Efficacy (Lumens/Watt)	36	52	44	44	47	33
Color Rendering Index (CRI)	83	80	--	80	79	82
Center Beam Candlepower*						
Spot (17-20)	275	975	604	2022	2276	198
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**	--
RGBW Available	No	No	No	No	No	Yes
Luxor Compatibility						
Default	Zoning	Zoning	--	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	--	--	Zoning/Dimming/Color
Minimum Rated Life (L70)	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000Hrs

* Information not available for Flood or Wide Flood.
** For optimal performance, use a trailing-edge, phase-cut dimmer.
† Measured using the 3,900K CCT lens. Multipliers for other CCTs include 0.80 (2,700K), 0.65 (4,500K), and 0.65 (5,200K).

FX Luminaire
FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of highly efficient lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials
Die-cast C360 brass housing and shroud with stainless steel set screws, mounting brackets, and fasteners.

Wiring
18 AWG (1 mm); SPT-1W; 220°F (105°C); 300V; 3.6' (1.1 m) length.

Lamp
Integrated module with Cree LEDs. Gold-plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 50,000 hrs. Maximum drive current: 1 A.

Socket
Socket contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the fixture.

Power
Input 10-15VAC/VDC 50/60Hz. Remote transformer required (specify separately).

Shroud
Die-cast C360 brass shroud with C110 copper cover option.

Optics
Polycarbonate color temperature adjustment lenses included with fixture: 2,700K (preinstalled), 3,900K (no lens), 4,500K, and 5,200K. Interchangeable optics for 10°, 20°, 30°-32°, or 55-58° distributions ordered preassembled to fixture. Color temperature and beam angle lenses field serviceable. For additional color filters, spread lenses, hex baffles, etc., use MR-16 sized accessories (MR-16: 1.95" (50 mm) dia. x 1.1 mm thickness). Beam angle is calculated using LM-79 method for SSL luminaires.

Housing
Die-cast C360 brass housing with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs.

Lens
Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.

Finish
Options of natural brass (copper finish or antiqued finish with brushed (Antique Bronze) or tumbled (Antique Tumbled) effect. Antique finishes sealed with a clear TGIC powder coat layer.

Hardware
Includes stainless steel mounting brackets for quick assembly. Tamper-resistant setscrew included.

Ambient Operating Temperature
0°F to 140°F (-18°C to 60°C)

Sustainability
Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high quality light at optimal energy efficiency, lifespan, and durability.

Weight
2.5 lbs. (1.1 kg)

Wildlife-Friendly Lighting
When used with the 3LEDT Output option, this fixture is Wildlife Lighting Certified by the Florida Fish and Wildlife Conservation Commission.

Installation Requirements
Designed for installation in the downward lighting direction only.

Manufacturing
ISO 9001:2015 certified facility

Warranty
5-year limited warranty.

Listings
UL LISTED 3YJ8   RoHS COMPLIANT   WILDLIFE LIGHTING

PS Down Light ORDERING INFORMATION

Fixture	Luxor Option	Output	Optics	Options	Finish	
PS	■ [default] *Zone*	■ 1LED *50 Lumens*	■ SP *17°–20°*	■ [default] *Standard Ribs*	■ BS *Natural Brass*	
	■ ZD *Zone/Dim*	■ 3LED *135 Lumens*	■ FL *30°–32°*	■ CU *Copper Sleeve*	■ BZ *Bronze Metalic*	
		■ 3LEDT** *Wildlife-Friendly Amber (585-595 nm)*	■ WF *56°–58°*		■ DG *Desert Granite*	
		■ 6LED *280 Lumens*			■ WI *Weathered Iron*	
		■ 9LED *360 Lumens*			■ SB *Sedona Brown*	
	■ ZDC *Zone/Dim/Color*	■ [default] *110 Lumens*	■ [default] *42°-44°*		■ FB *Black*	
					■ WG *White Gloss*	
					■ FW *Flat White*	
					■ AL *Almond*	
					■ NP *Nickel Plate*	
					■ BS-AB *Antique Bronze*	
					■ BS-AT *Antique Tumbled*	
					■ [blank] *Natural Copper (Requires selection of copper sleeve)*	
					■ CU-AB *Antique Bronze*	
					■ CU-AT *Antique Tumbled*	

EXAMPLE FIXTURE CONFIGURATION: PS-8-ZD-3LED-FL-AB

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** *Available with ZD Luxor option and CU, AB, or AT finishes only*

LENS ACCESSORIES: Specify Separately

Item	Code	
■ HEX BAFFLE *MR-16 Size*	250015260000	
■ LINEAR SPREAD LENS *MR-16 Size*	250013550000	
■ SOLITE SPREAD LENS *MR-16 Size*	250015240000	

LANDSCAPE LIGHTING

PS Down Light PHOTOMETRICS

PS 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.1°	Horizontal 18.9°
2' (0.6 m)	69 fc (743 lx)	0.7' (0.2 m)	0.7' (0.2 m)
4' (1.2 m)	17 fc (183 lx)	1.3' (0.4 m)	1.3' (0.4 m)
6' (1.8 m)	8 fc (82 lx)	2' (0.6 m)	2' (0.6 m)
8' (2.4 m)	4 fc (46 lx)	3' (0.8 m)	3' (0.8 m)
10' (3.1 m)	2.7 fc (29 lx)	3' (0.8 m)	3' (0.8 m)
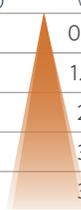
PS 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 17.9°	Horizontal 18°
2' (0.6 m)	244 fc (2,626 lx)	0.6' (0.2 m)	0.6' (0.2 m)
4' (1.2 m)	61 fc (657 lx)	1.3' (0.4 m)	1.3' (0.4 m)
6' (1.8 m)	27 fc (292 lx)	1.9' (0.6 m)	1.9' (0.6 m)
8' (2.4 m)	15 fc (164 lx)	3' (0.8 m)	3' (0.8 m)
10' (3.1 m)	10 fc (106 lx)	3' (0.8 m)	3' (0.8 m)
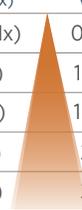
PS 3LEDT Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 20.8°	Horizontal 20.8°
2' (0.6 m)	151 fc (1,625 lx)	0.7' (0.2 m)	0.7' (0.2 m)
4' (1.2 m)	38 fc (406 lx)	1.5' (0.5 m)	1.5' (0.5 m)
6' (1.8 m)	17 fc (181 lx)	2' (0.6 m)	2' (0.6 m)
8' (2.4 m)	9 fc (101 lx)	3' (0.8 m)	3' (0.8 m)
10' (3.1 m)	6 fc (65 lx)	3.7' (1.1 m)	3.7' (1.1 m)
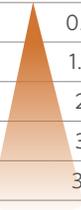
PS 6LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 16.7°	Horizontal 17.1°
2' (0.6 m)	506 fc (5,442 lx)	0.6' (0.2 m	0.6' (0.2 m)
4' (1.2 m)	126 fc (1,361 lx)	1.2' (0.4 m	1.2' (0.4 m)
6' (1.8 m)	56 fc (605 lx)	2' (0.6 m	2' (0.6 m)
8' (2.4 m)	32 fc (340 lx)	2' (0.6 m	2' (0.6 m)
10' (3.1 m)	20 fc (217 lx)	3' (0.8 m	3' (0.8 m)
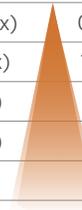
PS 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 16.6°	Horizontal 16.1°
2' (0.6 m)	569 fc (6,125 lx)	0.6' (0.2 m)	0.6' (0.2 m)
4' (1.2 m)	142 fc (1,532 lx)	1.2' (0.4 m)	1.1' (0.3 m)
6' (1.8 m)	63 fc (680 lx)	2' (0.6 m)	2' (0.6 m)
8' (2.4 m)	36 fc (383 lx)	2' (0.6 m)	2' (0.6 m)
10' (3.1 m)	23 fc (245 lx)	3' (0.8 m)	3' (0.8 m)
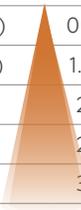
PS ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	Vertical 49.5°
2' (0.6 m)	50 fc (533 lx)	2' (0.6 m)
4' (1.2 m)	12 fc (134 lx)	3' (0.8 m)
6' (1.8 m)	6 fc (59 lx)	6' (1.7 m)
8' (2.4 m)	3 fc (33 lx)	7' (2.3 m)
10' (3.1 m)	1.9 fc (21 lx)	9' (2.8m)