FXLuminaire

SD Down Light DESIGNER PLUS

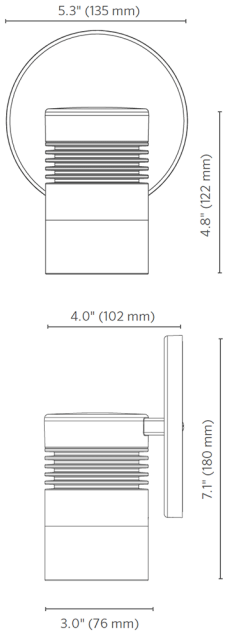
PROJECT

CATALOG #

TYPE

NOTES

The simple cylindrical drum design of the SD wall light complements a range of applications. The fixture is offered in 3, 6, and 9LED. A ZDC option is also available.



Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Cree® integrated LEDs
- Color temperature filters
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10–15 V
- Tamper-resistant features

Output	3LED	6LED	9LED	ZDC
Total Lumens†	202	367	398	174
Input Voltage	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W)	4.2	8.2	10.0	9.1
VA	4.5	9.7	10.7	11.0
Efficacy (Lumens/Watt)	52	44	47	33
Color Rendering Index (CRI)	80+	80+	80+	80+
Center Beam Candlepower*				
Spot (17-20)	975	2,022	2,276	198
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**	--
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	Zoning/Dimming/Color
Minimum Rated Life (L70)	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs

* 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).

About FX Luminaire

As a leading manufacturer of landscape and architectural lighting, FX Luminaire provides innovative products, resources, and support to help customers bring their visions to life. The company offers a range of specification-driven solutions, including fixtures, controls, and accessories, to enhance residential and commercial landscapes.

Materials

Die-cast A380 aluminum body with stainless steel setscrew, mounting bracket, and fasteners.

LED

Integrated module with Cree LEDs. Gold-plated connectors and conformal coating for maximum reliability and corrosion resistance. Proprietary onboard intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 55,000 hrs. Maximum drive current: 1 A.

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°, 40°, or 60° distributions ordered preassembled to luminaire. 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" (49.5 mm) dia. x 1.1 mm thickness). Beam angle is calculated using LM-79 method for SSL fixtures.

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

Hardware

Stainless steel mounting plate included, with configurations to connect to 1-gang and round junction boxes. Three wood screws also included for surface mounting.

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300V; 10' (3 m) length

Sockets

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).

Housing

Die-cast A380 aluminum body with capacity for 3LED, 6LED, 9LED, or ZDC integrated LEDs.

Glare Control

Die-cast A380 aluminum shroud.

Weight

2.1 lbs. (1.0 kg)

Lens

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

Ambient Operating Temperature

0°F to 140°F (-17°C to 60°C)

Installation Requirements

Designed for installation in the downward lighting direction only.

Control

ZD or ZDC utilizes Luxor technology to zone fixtures in up to 250 groups, dim each group in 1% increments between 0 and 100%, or change to one of 30,000 colors with RGBW LEDs. Select the ZD option for zoning/dimming or ZDC for zoning/dimming/color. Standard fixture is zoneable with Luxor.

Warranty

Listings

[field_spec_builder_mount] [field_spec_builder_mount]

Fixture	Control	Power	Finish
SD	**[Default]** Zone with Luxor, On/Off, Phase Dimmable	**3 LED** 4.0W/4.4VA	**BZ** Bronze Metallic
	ZD Zone/Dim with Luxor	**6 LED** 7.7W/9.3VA	**DG** Desert Granite
	ZDC Zone/Dim/Color with Luxor	**9 LED** 11.1W/12.2VA	**WI** Weathered Iron
		[default ZDC option] 9.1W/11.0VA	**SB** Sedona Brown
			FB Black
			FW Flat White
			SV Silver

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EXAMPLE FIXTURE CONFIGURATION: SD–ZD–6LED–BZ

SD 3LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 18.9 °**
1.7' (0.5 m)	451 fc (4,854 lx)	0.6' (0.2 m)
10.0' (3.0 m)	120 fc (1,292 lx)	1.1' (0.3 m)
3.3' (1.0 m)	52 fc (560 lx)	1.7' (0.5 m)
5.0' (1.5m)	29 fc (312 lx)	2.2' (0.7 m)
6.7' (2.0 m)	19 fc (205 lx)	2.8' (0.9 m)
8.3' (2.5 m)	13 fc (140 lx)	3.3' (1.0 m)

SD 6LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 18.0 °**
1.7' (0.5 m)	749 fc (8,062 lx)	0.5' (0.2 m)
10.0' (3.0 m)	199 fc (2,142 lx)	1.0' (0.3 m)
3.3' (1.0 m)	87 fc (937 lx)	1.6' (0.5 m)
5.0' (1.5m)	48 fc (517 lx)	2.1' (0.6 m)
6.7' (2.0 m)	31 fc (334 lx)	2.6' (0.8 m)
8.3' (2.5 m)	22 fc (237 lx)	3.2' (1.0 m)

SD 9LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 16.8 °**
1.7' (0.5 m)	1170 fc (12,594 lx)	0.6' (0.2 m)
10.0' (3.0 m)	310 fc (3,337 lx)	1.0' (0.3 m)
3.3' (1.0 m)	135 fc (1453 lx)	1.5' (0.5 m)
5.0' (1.5m)	75 fc (807 lx)	2.0' (0.6 m)
6.7' (2.0 m)	49 fc (527 lx)	2.5' (0.8 m)
8.3' (2.5 m)	34 fc (366 lx)	3.0' (0.9 m)

SD ZDC - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 47.5 °**
1.7' (0.5 m)	69 fc (743 lx)	1.5' (0.5 m)
10.0' (3.0 m)	18 fc (194 lx)	2.9' (0.9 m)
3.3' (1.0 m)	8.0 fc (86 lx)	4.4' (1.3 m)
5.0' (1.5m)	4.4 fc (47 lx)	5.9' (1.8 m)
6.7' (2.0 m)	2.9 fc (31 lx)	7.3' (2.2 m)
8.3' (2.5 m)	2.0 fc (21 lx)	8.8' (2.7 m)

GLARE CONTROL: Specify Separately

Glare Control	Catalog No.		Glare Control	Catalog No.
Hex Baffle for MR-16 LED Lamps	250015260000			

LENS OPTIONS: Specify Separately

Lenses	Catalog No.	
MR16 Linear Spread Lens	250013550000	
MR16 Solite Spread Lens	250015240000	
Integrated LED Wide Flood Lens, 60°	X*-LEDWFLLENS	

Lenses	Catalog No.	
Frosted Lens for MR-16 LED Lamps	250015170000	
Integrated LED Flood Lens, 35°	X*-LEDFLLENS	

POWER OPTIONS: Specify Separately

Power	Catalog No.		Power	Catalog No.
Step-Down Transformer, UV (120/277 V to 12 V)	ST-UV			