FXLuminaire

NL Down & Up/Down Light

DESIGNER PREMIUM

PROJECT

CATALOG #

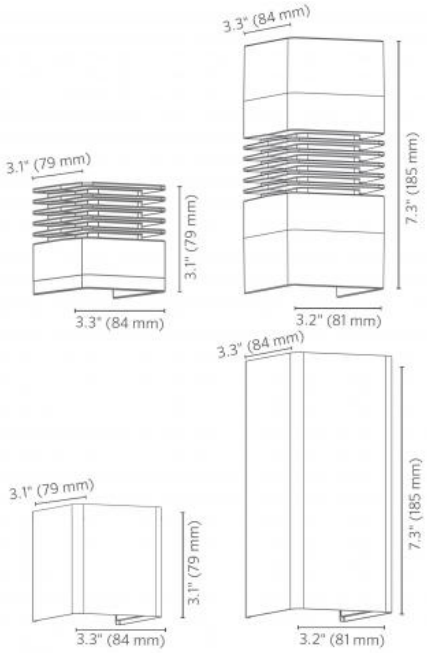
TYPE

NOTES

Wall-mounted, geometric square down light or up/down sconce in 3, 6, or 9 LED. Available in aluminum or brass construction. RGBW option available for use with Luxor® lighting control systems.

Quick Facts

- Down or up/down configurations
- Natural, powder coat, or antique brass/copper finishes
- Tamper-resistant features
- Phase and PWM dimmable
- Die-cast aluminum or brass
- Lumileds® Integrated LEDs
- Compatible with Luxor technology
- Input voltage: 10-15V



Power:	3LED	3LEDT	6LED	9LED	ZDC
Total Lumens (lm)*	330	175	640	865	60-330
Power Consumption (VA)	4.5	4.5	9.3	12.2	11.0
Efficacy (lm/W)	83	47	82	76	33
Correlated Color Temperature (CCT)	2700K	2700K	2700K	2700K	RGBW
Color Rendering Index (CRI)	84+	--	84+	84+	80+
Beam Angle	60°	60°	60°	60°	50°
Maximum Candela (cd)	350	630	2,022	2,276	198
Input Voltage (V)	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Dimming	Luxor, Phase**	Luxor, Phase**	Luxor, Phase**	Luxor, Phase**	Luxor
Minimum Rated Life L70 (Hrs)	72,000	50,000	72,000	72,000	55,000

Power:	3LED	6LED	9LED	ZDC
Total Lumens (lm)*	555	1,100	1,715	590-1,395
Power Consumption (VA)	9.0	18.6	24.4	22.0
Efficacy (lm/W)	73	49	50	26
Correlated Color Temperature (CCT)	2700K	2700K	2700K	RGBW
Color Rendering Index (CRI)	84+	84+	84+	80+
Beam Angle	60°	60°	60°	50°
Maximum Candela (cd)	975	2,022	2,276	198
Input Voltage (V)	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Dimming	Luxor, Phase**	Luxor, Phase**	Luxor, Phase**	Luxor
Minimum Rated Life L70 (Hrs)	72,000	72,000	72,000	55,000

* Performance data collected using 2700K and a 20° Spot lens
** For optimal performance, use a trailing-edge, phase-cut dimmer.

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 or C360 brass housing and shroud with stainless steel set screws, mounting brackets, and fasteners.

LED

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.

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.

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, selection of natural brass, or antiqued brass or copper finish. Antique finishes sealed with clear TGIC powder coat layer.

Hardware

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

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 10–15 VAC/VDC, 50/60 Hz. Remote transformer required (specify separately).

Housing

Die-cast A380 aluminum or C360 brass housing with capacity for 3LED, 6LED, 9LED, or ZDC integrated LEDs

Glare Control

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

Weight

3.9 lbs. (1.8 kg)

Lens

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

International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-7 when used with custom installation kit ("WP-2G-NL-E-XX") accessory

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Installation Requirements

Designed for installation in the downward (NL-DN) and vertical (NL-UD) directions only.

Warranty

Listings

[field_spec_builder_mount] [field_spec_builder_mount]

Fixture	Control	Power	Compliance	Direction	Cover	Finish
NL	**[Default]** Zone with Luxor, On/Off, Phase Dimmable	**3 LED** 4.0W/4.4VA	**[default]** North America (UL Listed)	**DN** Down	**[default]** Standard Fins	**BZ** Bronze Metallic
	ZD Zone/Dim with Luxor	**3 LEDT** Wildlife-Friendly Amber (585-595 nm)	**E** International (CE Certified)	**UD** Up and Down (doubles the wattage/VA)	**CR** Cover	**FB** Black
	ZDC Zone/Dim/Color with Luxor	**6 LED** 7.7W/9.3VA				**DG** Desert Granite
		9 LED 11.1W/12.2VA				**WI** Weathered Iron
		[default ZDC option] 9.1W/11.0VA				**SB** Sedona Brown
						FW Flat White
						SV Silver
						BSAB Antique Bronze on Brass
						BSAT Antique Tumbled on Brass
						CUAB Antique Bronze on Copper
						CUAT Antique Tumbled on Copper
						CU Copper
						BS Natural Brass

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EXAMPLE FIXTURE CONFIGURATION: NL-ZD-3LED- CU-AB

** Available with ZD Luxor option, DN configuration, and CU, AB, or AT finishes only
† Available for NL Down Light only
‡ Available for NL Down Light and NL Up/Down Light sleeve only.

NL-DN 3LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 52.7 °**	**Horizontal : 52.6 °**
4.0' (1.2 m)	22 fc (231 lx)	4.0 ft (1.2 m)	4.0 ft (1.2 m)
8.0' (2.4 m)	5.4 fc (58 lx)	7.9 ft (2.4 m)	7.9 ft (2.4 m)
12.0' (3.7 m)	2.4 fc (26 lx)	11.9 ft (3.6 m)	11.9 ft (3.6 m)
16.0' (4.9 m)	1.3 fc (14 lx)	15.8 ft (4.8 m)	15.8 ft (4.8 m)
20.0' (6.1 m)	0.9 fc (9 lx)	19.8 ft (6.0 m)	19.8 ft (6.0 m)
24.0' (7.3 m)	0.6 fc (6 lx)	23.8 ft (7.3 m)	23.7 ft (7.2 m)

NL-DN 6LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 59.1 °**	**Horizontal : 48.2 °**
4.0' (1.2 m)	29 fc (314 lx)	4.5 ft (1.4 m)	3.6 ft (1.1 m)
8.0' (2.4 m)	7.3 fc (79 lx)	9.1 ft (2.8 m)	7.2 ft (2.2 m)
12.0' (3.7 m)	3.2 fc (35 lx)	13.6 ft (4.1 m)	10.7 ft (3.3 m)
16.0' (4.9 m)	1.8 fc (20 lx)	18.1 ft (5.5 m)	14.3 ft (4.4 m)
20.0' (6.1 m)	1.2 fc (13 lx)	22.7 ft (6.9 m)	17.9 ft (5.5 m)
24.0' (7.3 m)	0.8 fc (9 lx)	27.2 ft (8.3 m)	21.5 ft (6.6 m)

NL-DN 9LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 52.8 °**	**Horizontal : 51.2 °**
4.0' (1.2 m)	57 fc (618 lx)	4.0 ft (1.2 m)	3.8 ft (1.2 m)
8.0' (2.4 m)	14 fc (155 lx)	7.9 ft (2.4 m)	7.7 ft (2.3 m)
12.0' (3.7 m)	6.4 fc (69 lx)	11.9 ft (3.6 m)	11.5 ft (3.5 m)
16.0' (4.9 m)	3.6 fc (39 lx)	15.9 ft (4.8 m)	15.3 ft (4.7 m)
20.0' (6.1 m)	2.3 fc (25 lx)	19.8 ft (6.0 m)	19.2 ft (5.9 m)
24.0' (7.3 m)	1.6 fc (17 lx)	23.8 ft (7.3 m)	23.0 ft (7.0 m)

NL-DN ZDC - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 49.6 °**
2.0' (0.6 m)	22 fc (231 lx)	3' (0.9 m)
4.0' (1.2 m)	6 fc (61 lx)	6' (2 m)
6.0' (1.8 m)	2 fc (21 lx)	10' (3 m)
8.0' (2.4 m)	1 fc (12 lx)	13' (4 m)
10.0' (3.1 m)	0.7 fc (8 lx)	16' (5 m)

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.
CE Certified Double-Gang Wall Plate for the NL Wall Sconce	WP-2G-NL-E-XX*

Mounts	Catalog No.
Double-Gang Wall Plate for the NL Wall Sconce	WP-2G-NL-XX*

LENS OPTIONS: Specify Separately

Lenses	Catalog No.
MR16 Linear Spread Lens	250013550000

Lenses	Catalog No.
MR16 Solite Spread Lens	250015240000

POWER OPTIONS: Specify Separately

Power	Catalog No.	
Low-Voltage Dimmer	DIM-LV	
Mini Plug-In Transformer, 30 W	MT-30W	
Step-Down Transformer, Dimmable (120 V to 12 V)	ST-120-DIM	
Step-Down Transformer, UV (120/277 V to 12 V)	ST-UV	

Power	Catalog No.	
Luxor CUBE- Low-voltage	LCM-LV	
Plug-In Transformer, 6 W	MT-6W	
Step-Down Transformer (120V to 12V)	ST-HV	
Surge Protection Module -	SURGE-MOD	

SPLICING OPTIONS: Specify Separately

Splicing	Catalog No.	
Brass Lug Wire Connectors, 2-pack	WCHSBS2	
Heat Shrink Wire Connectors, 20-pack, Medium	WCHSMD20	

Splicing	Catalog No.	
Brass Lug Wire Connectors, 50-item Bulk Pack	WCHSBS50	
Heat Shrink Wire Connectors, 20-pack, Small	WCHSSM20	