FXLuminaire

NP LED Up Light DESIGNER PLUS

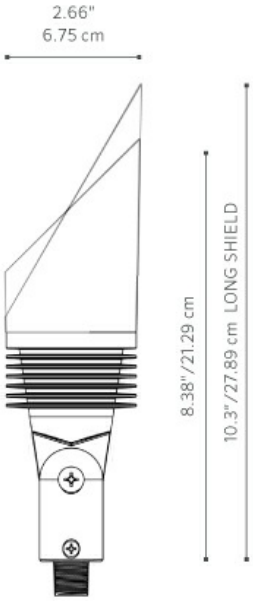
PROJECT

CATALOG #

TYPE

NOTES

The NP is our most versatile LED Up Light, and is engineered to accommodate all aspects of your up-lighting needs.



Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Lumileds® Integrated LEDs
- ProAim™ adjustability
- Beam angle options (10°, 35°, 60°)
- Compatible with Luxor® technology
- Phase dimmable
- Input voltage: 10-15V

	3LED			6LED			9LED			ZDC
Total Lumens† (lm)	290	300	320	510	535	560	700	735	770	115-390
Power Consumption (VA)	4.4	4.4	4.4	9.3	9.3	9.3	12.2	12.2	12.2	11.0
Efficacy (Lumens per Watt)	74	76	81	66	69	72	68	71	74	21
Correlated Color Temperature (CCT)	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K	RGBW
Beam Angle(s)‡	35°	35°	35°	35°	35°	35°	35°	35°	35°	50°
Maximum Candela† (cd)	570	600	630	1,095	1,145	1,205	1,446	1,515	1,590	172
Color Rendering Index (CRI)	83	83	83	83	83	83	83	83	83	80+
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Dimming (Fixture)	Phase* or Luxor	Phase* or Luxor	Phase* or Luxor	Phase* or Luxor	Phase* or Luxor	Phase* or Luxor	Phase* or Luxor	Phase* or Luxor	Phase* or Luxor	Luxor
RGBW Available	No	No	No	No	No	No	No	No	No	Yes
Minimum Rated Life L70 (Hrs)	72,000	72,000	72,000	72,000	72,000	72,000	72,000	72,000	72,000	55,000

* For optimal performance, use a trailing-edge, phase-cut dimmer

† Photometric performance reported using the 2700K and Flood (35°) configuration; see .ies files for additional photometry information

‡ The flood (35°) optic is pre-installed, with the 60° optic included in the product box

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 aluminum A380 housing and shroud with stainless steel hardware. Die-cast zinc/aluminum alloy knuckle.

Knuckle

Die-cast zinc/aluminum alloy knuckle with ½"-14 (13 mm) NPSM threads. Compress and lock features prevent slip after installation. 9° increments adjustability over 220° of vertical adjustment.

LED

Integrated LED module with Lumileds 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 72,000 hrs. Maximum drive current: 1 A.

Optics

Color temperature defined by part number. Beam angle lenses included with fixture: 35° (pre-installed) and 60°. For additional color filters, spread lenses, hex baffles, etc., use MR-16 sized accessories (MR16: 1.95" (49.5 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, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

Hardware

Stainless steel angle lock screw. Includes 10" (254 mm) ABS slotted installation spike.

Wiring

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

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 aluminum housing with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs.

Glare Control

Die-cast aluminum shroud with 45° cutoff (standard) or 60° long shroud option.

Weight

1.9 lbs. (0.9 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 60598-2-4 when used with International Spike Kit ("EKITSPIKE") or alternate mount greater than or equal to IP65, or by selecting the "e" version.

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Installation Requirements

Designed for installation in the upward direction only.

Control

ZD or ZDC options utilize Luxor technology to zone light 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.

Manufacturing

ISO 9001:2015 certified facility

Warranty

10-year limited warranty.

Listings

[field_spec_builder_mount] [field_spec_builder_mount]

Fixture	Control	Power	Color Temp	Compliance	Shroud	Finish
NP	**[Default]** Zone with Luxor, On/Off, Phase Dimmable	**3 LED** 4.0W/4.4VA	**[Default]** Warm (2700K)	**[default]** North America (UL Listed)	**[default]** 45° Angled Shroud	**BZ** Bronze Metallic
	ZD Zone/Dim with Luxor	**6 LED** 7.7W/9.3VA	**S** Soft (3000K)	**E** International (CE Certified)	**LS** 60° Angled Long Shroud	**FB** Black
	ZDC Zone/Dim/Color with Luxor	**9 LED** 11.1W/12.2VA	**C** Cool (4000K)			**DG** Desert Granite
		[default ZDC option] 9.1W/11.0VA	**[Default]** RGBW, ZDC Option Required			**WI** Weathered Iron
						SB Sedona Brown
						FW Flat White
						SV Silver

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EXAMPLE FIXTURE CONFIGURATION: *NP-ZD-6LED-BZ*

* Ships with Super Slot Spike (753900)

NP-3LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 35.5 °**	**Horizontal : 35.8 °**
5.0' (1.5 m)	23 fc (245 lx)	3.2 ft (1.0 m)	3.2 ft (1.0 m)
10.0' (3.0 m)	5.7 fc (61 lx)	6.4 ft (2.0 m)	6.5 ft (2.0 m)
15.0' (4.6 m)	2.5 fc (27 lx)	9.6 ft (2.9 m)	9.7 ft (3.0 m)
20.0' (6.1 m)	1.4 fc (15 lx)	12.8 ft (3.9 m)	12.9 ft (3.9 m)
25.0' (7.6 m)	0.9 fc (10 lx)	16 ft (4.9 m)	16.1 ft (4.9 m)
30.0' (9.1 m)	0.6 fc (6 lx)	19.2 ft (5.9 m)	19.4 ft (5.9 m)

NP-6LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 32.3 °**	**Horizontal : 34.0 °**
5.0' (1.5 m)	44 fc (469 lx)	2.9 ft (0.8 m)	3.1 ft (0.9 m)
10.0' (3.0 m)	11 fc (117 lx)	5.8 ft (1.8 m)	6.1 ft (1.9 m)
15.0' (4.6 m)	4.8 fc (52 lx)	8.7 ft (2.7 m)	9.2 ft (2.8 m)
20.0' (6.1 m)	2.7 fc (29 lx)	11.6 ft (3.5 m)	12.2 ft (3.7 m)
25.0' (7.6 m)	1.7 fc (19 lx)	14.5 ft (4.4 m)	15.3 ft (4.7 m)
30.0' (9.1 m)	1.2 fc (13 lx)	17.4 ft (5.3 m)	18.3 ft (5.6 m)

NP-9LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 32.9 °**	**Horizontal : 34.2 °**
5.0' (1.5 m)	58 fc (622 lx)	3.0 ft (0.9 m)	3.1 ft (0.9 m)
10.0' (3.0 m)	15 fc (156 lx)	5.9 ft (1.8 m)	6.2 ft (1.9 m)
15.0' (4.6 m)	6.4 fc (69 lx)	8.9 ft (2.7 m)	9.2 ft (2.8 m)
20.0' (6.1 m)	3.6 fc (39 lx)	11.8 ft (3.6 m)	12.3 ft (3.7 m)
25.0' (7.6 m)	2.3 fc (25 lx)	14.8 ft (4.5 m)	15.4 ft (4.7 m)
30.0' (9.1 m)	1.6 fc (17 lx)	17.7 ft (5.4 m)	18.5 ft (5.6 m)

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.	
Long Slot Spike	250015840000	
Lock Ring	250030410000SP	
Straight Coupling	COUP-XX*	
90° Coupling	ELBW-050-XX*	
Ground Mount with ½" Thread	GM-XX*	
Mini Mount	MM-050-XX*	
Post Mount	PM-XX*	
TreeBox® Mount with ½" Thread	TB-XX*	
Tree Ring	TR-YY*-8P-XX*	
Variable Height Riser for Up Lights	VHR-UL	
Single-Gang Wall Plate with ½" Thread	WP-1G-050-XX*	
Sign Light Riser, Aluminum	YY*-R-SL-XX*	

Mounts	Catalog No.	
Three-Prong Spike	250020020000	
Super Slot Spike	753900	
CE Certified Spike	eKitSpike	
Gutter Mount	GM-SS	
Mini J-Box for ½" Thread	MJB-050-XX*	
ProAim® Ratcheting Spike	PARS	
Super J-Box Spike	SJ-XX*	
T-Mount Coupling with ½" Thread	TMNT-050-XX*	
VersaBox® Mount with ½" Thread	VB-050-XX*	
Wall Mount Knuckle	WM-XX*	
Round Wall Plate with ½" Thread	WP-RD-050-XX*	
Aluminum Riser, ¾" Diameter	YY*-R-XX*	

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.
Integrated LED Flood Lens, 35°	X*-LEDFLLENS

Lenses	Catalog No.
Integrated LED Wide Flood Lens, 60°	X*-LEDWFLLENS

POWER OPTIONS: Specify Separately

Power	Catalog No.	
Plug-In Transformer, 6 W	MT-6W	
Surge Protection Module -	SURGE-MOD	

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