

## NP LED Up Light **DESIGNER PLUS**



PROJECT

CATALOG #

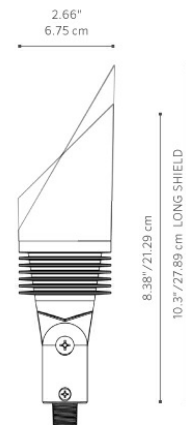
TYPE

NOTES

The NP is our most versatile LED Up Light, and is engineered to accommodate all aspects of your up-lighting needs. By coupling the proper light intensity with one of the provided color filters, your designer can fine tune the NP to beautifully enhance every landscape feature.

### Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Cree® Integrated LEDs
- ProAim™ adjustability
- Color temperature filters
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V



# NP LED Up Light SPECIFICATIONS

Output	3LED	6LED	9LED	ZDC
Total Lumens <sup>†</sup>	135	280	360	110
Input Voltage	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power	4.2 W	8.2 W	10.0 W	9.1 W
Power Consumption (VA)	4.5 W	9.7 W	10.7 W	11.0 W
Efficacy (Lumens/Watt)	32	28	32	21
Color Rendering Index (CRI)	80+	80+	80+	80+
Center Beam Candlepower*				
Spot (17-20)	464	1,069	897	172
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 (L90)	50,00 Hrs	50,000 Hrs	50,000 Hrs	50,000 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).

# NP LED Up Light SPECIFICATIONS

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

## Knuckle

Die-cast zinc/aluminum alloy knuckle with 1/2"-14 (13 mm) NPSM threads. Compress and lock features prevent slip after installation. 9° increments adjustability over 220° of vertical adjustment.

## 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.

## 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 pre-assembled 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, 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).

## Shroud

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

## Weight

1.9 lbs. (0.9 kg)

## Housing

Die-cast aluminum 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.

## International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-7 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)

## 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.

## 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.








## Warranty

10-year limited warranty.

## Listings



# NP LED Up Light ORDERING INFORMATION

Fixture	Luxor Option	Lamp	Shroud	Compliance	Finish
NP	[default] Zone	3 LED 4.2W/4.5VA	[default] 45° Angled Shroud	CE	BZ Bronze Metallic 
	ZD Zone/Dim	6 LED 8.2W/9.7VA	LS 60° Angled Long Shroud	ULNorth America (UL-listed)	DG Desert Granite 
	ZDC Zone/Dim/Color	9 LED 10.0W/10.7VA			WI Weathered Iron 
		[default ZDC option] 9.1W/11.0VA			SB Sedona Brown 
					FB Black 
					FW Flat White 
					SV Silver 



EXAMPLE FIXTURE CONFIGURATION: NP-ZD-6LED-BZ  
\* Ships with Super Slot Spike (753900)

# NP LED Up Light PHOTOMETRICS

NP 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	13.5 fc (144 lx)	1.7' (0.5 m)	1.7' (0.5 m)
8.3' (2.5 m)	3.3 fc (36 lx)	3.4' (1.0 m)	3.4' (1.0 m)
12.5' (2.8 m)	1.5 fc (16 lx)	5.2' (1.6 m)	5.1' (1.6 m)
16.7' (5.1 m)	0.8 fc (9 lx)	6.9' (2.1 m)	6.8' (2.1 m)
20.8' (6.3 m)	0.5 fc (6 lx)	8.6' (2.6 m)	8.4' (2.6 m)
25.0' (7.6 m)	0.4 fc (4 lx)	10.3' (3.1 m)	10.1' (3.1 m)

NP 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	26.7 fc (288 lx)	1.8' (0.6 m)	1.8' (0.6 m)
8.3' (2.5 m)	6.7 fc (72 lx)	3.6' (1.1 m)	3.6' (1.1 m)
12.5' (2.8 m)	3 fc (32 lx)	5.5' (1.7 m)	5.4' (1.7 m)
16.7' (5.1 m)	1.7 fc (18 lx)	7.3' (2.2 m)	7.2' (2.2 m)
20.8' (6.3 m)	1.1 fc (16 lx)	9.1' (2.8 m)	9.04' (2.8 m)
25.0' (7.6 m)	0.74 fc (8 lx)	10.9' (3.3 m)	10.8' (3.3 m)

NP 6LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	61.6 fc (663 lx)	1.8' (0.6 m)	1.8' (0.6 m)
8.3' (2.5 m)	15.4 fc (166 lx)	3.6' (1.1 m)	3.6' (1.1 m)
12.5' (2.8 m)	6.8 fc (74 lx)	5.4' (1.7 m)	5.4' (1.7 m)
16.7' (5.1 m)	3.9 fc (41 lx)	7.2' (2.2 m)	7.2' (2.2 m)
20.8' (6.3 m)	2.5 fc (27 lx)	9.0' (2.7 m)	9.04' (2.8 m)
25.0' (7.6 m)	1.7 fc (15 lx)	10.8' (3.3 m)	10.8' (3.3 m)

NP 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	72.4 fc (779 lx)	1.8' (0.6 m)	1.8' (0.6 m)
8.3' (2.5 m)	28.4 fc (306 lx)	3.6' (1.1 m)	3.5' (1.1 m)
12.5' (2.8 m)	8.0 fc (87 lx)	5.4' (1.7 m)	5.3' (1.6 m)
16.7' (5.1 m)	4.5 fc (49 lx)	7.1' (2.2 m)	7.1' (2.2 m)
20.8' (6.3 m)	2.9 fc (31 lx)	8.9' (2.7 m)	8.9' (2.7 m)
25.0' (7.6 m)	2.0 fc (22 lx)	10.7' (3.3 m)	10.6' (3.2 m)


























NP ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 38.3°	Horizontal 40.4°
4.2' (1.3 m)	11.6 fc (125 lx)	2.8' (0.9 m)	2.9' (0.9 m)
8.3' (2.5 m)	2.9 fc (31 lx)	5.6' (1.7 m)	5.9' (1.8 m)
12.5' (2.8 m)	1.3 fc (14 lx)	8.3' (2.5 m)	8.8' (2.7 m)
16.7' (5.1 m)	0.7 fc (8 lx)	11.1' (3.4 m)	11.8' (3.6 m)
20.8' (6.3 m)	0.5 fc (5 lx)	13.9' (4.2 m)	14.7' (4.5 m)
25.0' (7.6 m)	0.3 fc (3.5 lx)	16.7' (5.1 m)	17.7' (5.4 m)

Beam angle is calculated using LM-79 method for SSL Luminaires: "Beam angle is defined as two times the vertical angle at which the intensity is 50% of the maximum."

# NP LED Up Light ORDERING INFORMATION

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.		Mounts	Catalog No.	
CDS Spike	250011560000		Long Slot Spike	250015840000	
3-Prong Spike	250020020000		Lock Ring	250030410000SP	
Super Slot Spike	753900		Straight Coupling	COUP-XX*	
CE-Approved Spike	eKitSpike		90-Degree Coupling	ELBW-050-XX*	
Gutter Mount, Stainless, 1/2" Thread	GM-SS		Ground Mount, 1/2" Thread	GM-XX*	
Mini J-Box	MJB-050-XX		Mini Mount	MM-050-XX*	
ProAim® Ratcheting Spike	PARS		Post Mount	PM-XX*	
Super J-Box Spike	SJ-XX*		TreeBox, 1/2" Thread	TB-XX*	
T-Mount Coupling, 1/2" Thread	TMNT-050-XX*		Tree Ring	TR-YY*-6P-XX*	
VersaBox, 1/2" Thread	VB-050-XX*		Variable Height Riser	VHR-UL	
Wall Mount Knuckle	WM-XX*		Single-Gang Wall Plate, 1/2" Thread	WP-1G-050-XX*	
Round Wall Plate, 1/2" Thread	WP-RD-050-XX*		Sign Light Riser, Aluminum	YY*-R-SL-XX*	
Aluminum Riser, 3/4"	YY*-R-XX*				


GLARE OPTIONS: Specify Separately


Glare	Catalog No.
Hex Baffle, MR-16	250015260000



Glare	Catalog No.
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LENSE OPTIONS: Specify Separately

Lenses	Catalog No.
	Z*-LEDFLENS 

Lenses	Catalog No.
	Z*-LEDWFLENS 



POWER OPTIONS: Specify Separately

Power	Catalog No.	
Plug-in transformer, 6W	MT-6W	
Lighting Fixture Surge Module	SURGE-MOD	

Power	Catalog No.	
Step Down Transformer, UV	ST-UV	