

NP LED Up Light DESIGNER PLUS

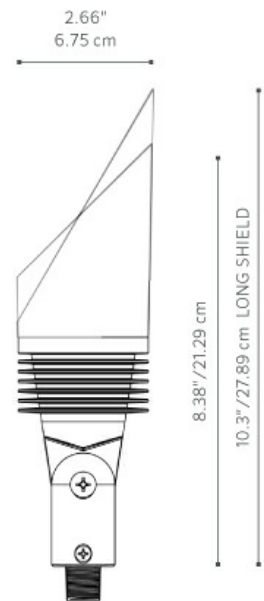


|           |
|-----------|
| PROJECT   |
| CATALOG # |
| TYPE      |
| NOTES     |

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



# NP LED Up Light SPECIFICATIONS

| Output                        | 3LED                               | 6LED           | 9LED           | ZDC                  |
|-------------------------------|------------------------------------|----------------|----------------|----------------------|
| Total Lumens <sup>†</sup>     | 289                                | 512            | 751            | 225-500              |
| Input Voltage                 | 10 to 15V                          | 10 to 15V      | 10 to 15V      | 11 to 15V            |
| Input Power (W)               | 4.0                                | 7.7            | 11.1           | 9.1                  |
| Power Consumption (VA)        | 4.4                                | 9.3            | 12.2           | 11.0                 |
| Efficacy (lm/W)               | 74                                 | 66             | 68             | 21                   |
| Color Rendering Index (CRI)   | 83                                 | 83             | 83             | 80+                  |
| Center Beam Candlepower*      |                                    |                |                |                      |
| Flood (35)                    | 571                                | 1,094          | 1446           | 172                  |
| Dimming                       |                                    |                |                |                      |
| Primary Dimming (Transformer) | Consult transformer specifications |                |                |                      |
| Secondary Dimming (Fixture)   | Phase-cut**                        | Phase-cut**    | Phase-cut**    | Luxor                |
| 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 (Hrs)  | 72,000                             | 72,000         | 72,000         | 55,000               |

\* Information for Spot or Wide Flood available in IES files  
\*\* For optimal performance, use a trailing-edge, phase-cut dimmer  
† Measured using the 2,700K CCT option

# 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 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)

## 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.

## Manufacturing

ISO 9001:2015 certified facility

## Warranty

10-year limited warranty.

## Listings



# NP LED Up Light ORDERING INFORMATION

| Fixture Control |                                                      | Power                               | Compliance                             | Shroud                         | Finish                |                                                                                     |
|-----------------|------------------------------------------------------|-------------------------------------|----------------------------------------|--------------------------------|-----------------------|-------------------------------------------------------------------------------------|
| NP              | [Default]<br>Zone with Luxor, On/Off, Phase Dimmable | 3 LED<br>4.0W/4.4VA                 | [Default]<br>North America (UL Listed) | [default]<br>45° Angled Shroud | BZ<br>Bronze Metallic |  |
|                 | ZD<br>Zone/Dim with Luxor                            | 6 LED<br>7.7W/9.3VA                 | E<br>International (CE Certified)      | LS<br>60° Angled Long Shroud   | FB<br>Black           |  |
|                 | ZDC<br>Zone/Dim/Color with Luxor                     | 9 LED<br>11.1W/12.2VA               |                                        |                                | DG<br>Desert Granite  |  |
|                 |                                                      | [default ZDC option]<br>9.1W/11.0VA |                                        |                                | WI<br>Weathered Iron  |  |
|                 |                                                      |                                     |                                        |                                | SB<br>Sedona Brown    |  |
|                 |                                                      |                                     |                                        |                                | FW<br>Flat White      |  |
|                 |                                                      |                                     |                                        |                                | SV<br>Silver          |  |



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.    |                                                                                                | Mounts                          | Catalog No.   |                                                                                                    |
|---------------------------------------|----------------|------------------------------------------------------------------------------------------------|---------------------------------|---------------|----------------------------------------------------------------------------------------------------|
| Long Slot Spike                       | 250015840000   |               | Three-Prong Spike               | 250020020000  |                 |
| Lock Ring                             | 250030410000SP |               | Super Slot Spike                | 753900        |                 |
| Straight Coupling                     | COUP-XX*       |               | CE Certified Spike              | eKitSpike     |                 |
| 90° Coupling                          | ELBW-050-XX*   |               | Gutter Mount                    | GM-SS         |                 |
| Ground Mount with ½" Thread           | GM-XX*         |    | Mini J-Box for ½" Thread        | MJB-050-XX*   |      |
| Mini Mount                            | MM-050-XX*     |               | ProAim® Ratcheting Spike        | PARS          |                 |
| Post Mount                            | PM-XX*         |               | Super J-Box Spike               | SJ-XX*        |                 |
| TreeBox® Mount with ½" Thread         | TB-XX*         |    | T-Mount Coupling with ½" Thread | TMNT-050-XX*  |      |
| Tree Ring                             | TR-YY*-8P-XX*  |              | VersaBox® Mount with ½" Thread  | VB-050-XX*    |     |
| Variable Height Riser for Up Lights   | VHR-UL         |             | Wall Mount Knuckle              | WM-XX*        |               |
| Single-Gang Wall Plate with ½" Thread | WP-1G-050-XX*  |  | Round Wall Plate with ½" Thread | WP-RD-050-XX* |    |
| Sign Light Riser, Aluminum            | YY*-R-SL-XX*   |             | Aluminum Riser, ¾" Diameter     | YY*-R-XX*     |  |

GLARE CONTROL: Specify Separately

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

| Glare Control | Catalog No. |
|---------------|-------------|
|---------------|-------------|

LENS OPTIONS: Specify Separately

| Lenses                         | Catalog No. |                                                                                   | Lenses                              | Catalog No.  |                                                                                     |
|--------------------------------|-------------|-----------------------------------------------------------------------------------|-------------------------------------|--------------|-------------------------------------------------------------------------------------|
| Integrated LED Flood Lens, 35° | X*-LEDFLENS |  | Integrated LED Wide Flood Lens, 60° | X*-LEDWFLENS |  |

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       |  |