

NP LED Up Light DESIGNER PLUS



PROJECT

CATALOG #

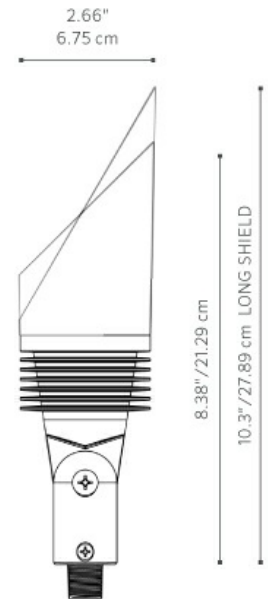
TYPE

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

| | 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

NP LED Up Light SPECIFICATIONS

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 1/2"-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



NP LED Up Light ORDERING INFORMATION

[field_spec_builder_mount] [field_spec_builder_mount]

| FixtureControl | 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) | [default ZDC option] 9.1W/11.0VA | [Default] RGBW, ZDC Option Required | DG Desert Granite |
| | | | | | WI Weathered Iron |
| | | | | | SB Sedona Brown |
| | | | | | FW Flat White |
| | | | | | SV 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 1/2" Thread | GM-XX* |  | Mini J-Box for 1/2" 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 1/2" Thread | TB-XX* |  | T-Mount Coupling with 1/2" Thread | TMNT-050-XX* |  |
| Tree Ring | TR-YY*-8P-XX* |  | VersaBox® Mount with 1/2" Thread | VB-050-XX* |  |
| Variable Height Riser for Up Lights | VHR-UL |  | Wall Mount Knuckle | WM-XX* |  |
| Single-Gang Wall Plate with 1/2" Thread | WP-1G-050-XX* |  | Round Wall Plate with 1/2" Thread | WP-RD-050-XX* |  |
| Sign Light Riser, Aluminum | YY*-R-SL-XX* |  | Aluminum Riser, 3/4" Diameter | YY*-R-XX* |  |



NP LED Up Light ORDERING INFORMATION

GLARE CONTROL: Specify Separately

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



NP LED Up Light ORDERING INFORMATION


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  |

NP LED Up Light ORDERING INFORMATION

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 |  |