

## FB LED Up Light **DESIGNER BASE**



PROJECT

CATALOG #

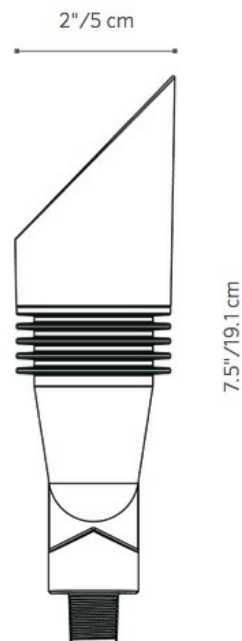
TYPE

NOTES

Similar in style to its bigger brother the NP, the FB fits nicely into smaller landscapes and tight spaces. Accommodating up to a 3 LED Board, the FB offers all the same Up Light benefits of the NP in a more compact package.

### 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



| Output                              | 1 LED                              | 3 LED          |
|-------------------------------------|------------------------------------|----------------|
| Total Lumens†                       | 114                                | 282            |
| Input Voltage                       | 10 to 15V                          | 10 to 15V      |
| Input Power                         | 1.9 W                              | 4.0 W          |
| Power Consumption (VA)              | 2.2 W                              | 4.4 W          |
| Efficacy (lm/W)                     | 63                                 | 72             |
| Color Rendering Index (CRI)         | 83                                 | 83             |
| Center Beam Candle Power (CBCP)*    |                                    |                |
| Flood (35)                          | 244                                | 567            |
| Dimming                             |                                    |                |
| Primary Dimming (Transformer level) | Consult transformer specifications |                |
| Secondary Dimming (Fixture level)   | Phase-cut**                        | Phase-cut**    |
| RGBW Available                      | No                                 | No             |
| Luxor Compatibility                 |                                    |                |
| Default                             | Zoning                             | Zoning         |
| ZD Option                           | --                                 | Zoning/Dimming |
| ZDC Option                          | --                                 | --             |
| Minimum Rated Life L70 (Hrs)        | 72,000                             | 72,000         |

\*Information for Wide Flood available in IES files

\*\*For optimal performance, use a trailing-edge (reverse phase-cut) dimmer

†Measured using the 2,700K CCT option

## 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 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. For additional color filters, spread lenses, hex baffles, etc., use MR-16 sized accessories (MR-16: 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; 5' (1.5 m) length.

## 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, or ZDC integrated LEDs.

## Glare Control

Die-cast aluminum shroud with 45° cutoff shroud.

## Weight

1.92 lbs. (0.87 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 the ground mount ("GM-XX"), 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 option utilizes Luxor technology to zone light fixtures in up to 250 groups, and dim each group in 1% increments between 0 and 100%. Select the ZD option for zoning/dimming. Standard fixture is zoneable with Luxor.

## Manufacturing

ISO 9001:2015 certified facility

## Warranty

10 Years

## Listings



| Fixture | Luxor Option      | Lamp                | Compliance                        | Finish                |
|---------|-------------------|---------------------|-----------------------------------|-----------------------|
| FB      | [default]<br>Zone | 1 LED<br>2.0W/2.4VA | [default]<br>120V (North America) | BZ<br>Bronze Metallic |
|         | ZD<br>Zone/Dim    | 3 LED<br>4.0W/4.4VA | e<br>Int'l (CE Certified)         | DG<br>Desert Granite  |
|         |                   |                     |                                   | WI<br>Weathered Iron  |
|         |                   |                     |                                   | SB<br>Sedona Brown    |
|         |                   |                     |                                   | FB<br>Black           |
|         |                   |                     |                                   | FW<br>Flat White      |
|         |                   |                     |                                   | SV<br>Silver          |

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EXAMPLE FIXTURE CONFIGURATION: FB-XX-XXXX-XX

## FB 1LED - Illuminance at a Distance

| Distance      | Center Beam fc     | Beam Width       |                    |
|---------------|--------------------|------------------|--------------------|
| Feet (Meters) | Foot-Candles (Lux) | Vertical: 19.3 ° | Horizontal: 19.9 ° |
| 20.0' (6.1 m) | 19.3 fc (208 lx)   | 1.4' (0.4 m)     | 1.4' (0.4 m)       |
| 4.0' (1.2 m)  | 4.8 fc (52 lx)     | 2.7' (0.9 m)     | 2.8' (0.9 m)       |
| 8.0' (2.4 m)  | 2.1 fc (23 lx)     | 4.1' (1.3 m)     | 4.2' (1.3 m)       |
| 12.0' (3.7 m) | 1.2 fc (13 lx)     | 5.4' (1.7 m)     | 5.6' (1.7 m)       |
| 16.0' (4.9 m) | 0.8 fc (9 lx)      | 6.8' (2.1 m)     | 7.0' (2.1 m)       |
| 24.0' (7.3 m) | 0.5 fc (5 lx)      | 8.1' (2.6 m)     | 8.4' (2.6 m)       |

## FB 3LED - Illuminance at a Distance

| Distance      | Center Beam fc     | Beam Width       |                    |
|---------------|--------------------|------------------|--------------------|
| Feet (Meters) | Foot-Candles (Lux) | Vertical: 17.3 ° | Horizontal: 17.2 ° |
| 20.0' (6.1 m) | 69.2 fc (745 lx)   | 1.2' (0.4 m)     | 1.2' (0.4 m)       |
| 4.0' (1.2 m)  | 17.3 fc (186 lx)   | 2.4' (0.7 m)     | 2.4' (0.7 m)       |
| 8.0' (2.4 m)  | 7.7 fc (83 lx)     | 3.6' (1.1 m)     | 3.6' (1.1 m)       |
| 12.0' (3.7 m) | 4.3 fc (46 lx)     | 4.9' (1.5 m)     | 4.9' (1.5 m)       |
| 16.0' (4.9 m) | 2.8 fc (30 lx)     | 6.1' (1.9 m)     | 6.1' (1.9 m)       |
| 24.0' (7.3 m) | 1.9 fc (21 lx)     | 7.3' (2.2 m)     | 7.3' (2.2 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*       |                 | 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*-6P-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 OPTIONS: Specify Separately

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

POWER OPTIONS: Specify Separately

| Power                         | Catalog No. |                                                                                   | Power                                         | Catalog No. |                                                                                     |
|-------------------------------|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------|-------------|-------------------------------------------------------------------------------------|
| Plug-in transformer, 6W       | MT-6W       |  | Step-Down Transformer, UV (120/277 V to 12 V) | ST-UV       |  |
| Lighting Fixture Surge Module | SURGE-MOD   |  |                                               |             |                                                                                     |