



Optional Long Shroud

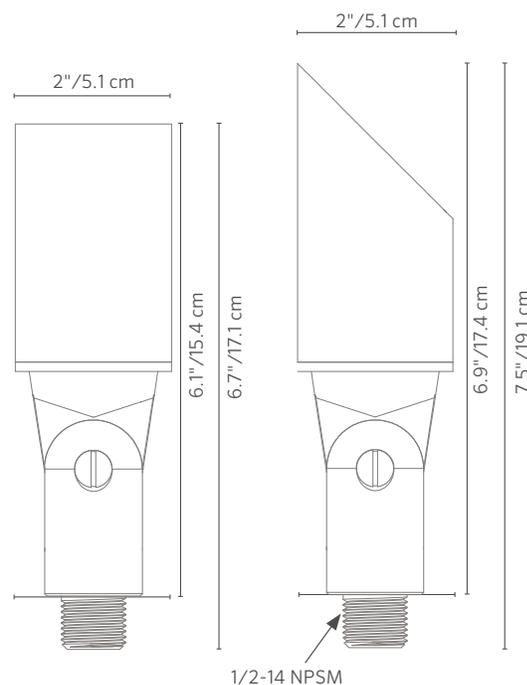
|           |
|-----------|
| PROJECT   |
| CATALOG # |
| TYPE      |
| NOTES     |

## FR Up Light

The FR brings the elegance and performance of precious metals to FX Luminaire. As a close extension of the existing NR fixture, the FR's smaller size ensures up to a 3LED output, with all the color filters, beam angles, and other features associated with FXL integrated LEDs.

### Quick Facts

- Machined brass and extruded copper
- 10-foot lead
- ½ NPS thread
- Cree® integrated LEDs
- Tamper-resistant features
- Color temperature filters
- Compatible with Luxor® technology
- Input voltage: 10-15V
- Suits MR-11 lens accessories (hex baffle, spread lens, etc.)



# FR Up Light SPECIFICATIONS

| Output                             | 1LED           | 3LED           | ZDC                  |
|------------------------------------|----------------|----------------|----------------------|
| <b>Total Lumens †</b>              | 65             | 167            | 113                  |
| <b>Input Voltage</b>               | 10 to 15V      | 10 to 15V      | 11 to 15V            |
| <b>Input Power (W)</b>             | 2.0            | 4.2            | 6.0                  |
| <b>VA</b>                          | 2.4            | 4.5            | 7.2                  |
| <b>Efficacy (Lumens/Watt)</b>      | 32             | 40             | 35                   |
| <b>Color Rendering Index (CRI)</b> | 73             | 71             | 83                   |
| <b>Center Beam Candle Power*</b>   | 291            | 779            | 220                  |
| <b>Dimming</b>                     | PWM, Phase**   | PWM, Phase**   | PWM, Phase**         |
| <b>RGBW Available</b>              | No             | No             | Yes                  |
| <b>Luxor Compatibility</b>         |                |                |                      |
| <b>Default</b>                     | Zoning         | Zoning         | Zoning               |
| <b>ZD Option</b>                   | Zoning/Dimming | Zoning/Dimming | Zoning/Dimming       |
| <b>ZDC Option</b>                  | --             | --             | Zoning/Dimming/Color |
| <b>Minimum Rated Life (L70)</b>    | 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).

## 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 highly efficient 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

C360 brass housing, knuckle assembly, and angled glass support with brass hardware. C110 Copper shroud.

## Lamp

Integrated module with Cree® LEDs. Gold-plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary onboard 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-11-sized accessories.

## Socket

Socket contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the fixture.

## Wiring

18 AWG SPT-1W 105°C 300V 3-meter length.

## Power

Input 10-15VAC/VDC 50/60Hz. Remote transformer required (specify separately).

## Housing

Machined brass housing with capacity for 1LED, 3LED, or ZDC integrated LEDs.

## Manufacturing

ISO 9001:2015 certified facility

## Shroud

Extruded copper shroud with 90° cutoff (standard) or 45° long shroud option. Drainage hole feature on 90°; not necessary on angled shroud.

## Lens

Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.

## Finish

Options of natural brass/copper finish or antique finish with brushed (Antique Bronze) or tumbled (Antique Tumbled) effect. Antique finishes sealed with a clear TGIC powder coat layer.

## Hardware

1/4-20 x 3/4" brass angle lock screw. Includes large slotted ABS spike. Tamper-resistant locking screw included.

## Ambient Operating Temperature

0°F to 140°F

## Weight

1.8 lbs.

## 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.

## Knuckle

Machined brass knuckle with 1/2-14 NPSM threads. Compress and lock features prevent slip after installation. Complete adjustability over 220° of vertical adjustment.

## Control

LuxorZD or Luxor ZDC utilizes 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 either Luxor model.

## Installation Requirements

Designed for installation in the upward direction only. Install drainage hole downward when applicable.

## Warranty

10-year limited warranty

## Listings



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.

# FR Up Light ORDERING INFORMATION

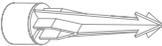
| Fixture Size | Luxor Option            | Output                        | Options                              | Finish                  |
|--------------|-------------------------|-------------------------------|--------------------------------------|-------------------------|
| FR*          | ■ [default]<br>Zone     | ■ 1LED<br>65 Lumens           | ■ [default]<br>Straight Shroud (90°) | ■ CU<br>Natural Copper  |
|              | ■ ZD<br>Zone/Dim        | ■ 3LED<br>167 Lumens          | ■ LS<br>Long Shroud (45°)            | ■ AB<br>Antique Bronze  |
|              | ■ ZDC<br>Zone/Dim/Color | ■ [default ZDC]<br>167 Lumens |                                      | ■ AT<br>Antique Tumbled |
|              |                         |                               |                                      | ■ NP<br>Nickel Plate    |

EXAMPLE FIXTURE CONFIGURATION: FR-1LED-LS-AB

\* Ships with Large Slot Spike (LSS)

FR -  -  -  -

## MOUNTING OPTIONS: Specify Separately

| Mounts                            | Catalog No.   |
|-----------------------------------|---|
| ■ POST MOUNT                      | P/N PM-XX**      |
| ■ GROUND MOUNT                    | P/N GM-XX**      |
| ■ GUTTER MOUNT                    | P/N GM-SS        |
| ■ VERSA BOX                       | P/N VB-050-XX**  |
| ■ SUPER J-BOX SPIKE<br>2.5" x 12" | P/N SJ-XX**      |

## RISER OPTIONS: Specify Separately

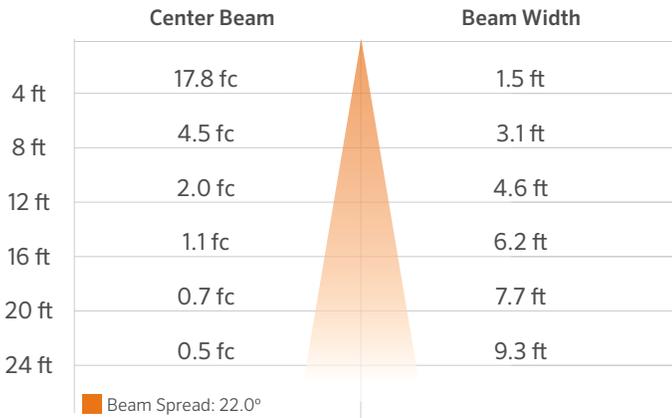
| Riser                               | Code   |
|-------------------------------------|--|
| ■ RISER<br>1" Diameter Copper Riser | YY-R-GT-XX**  |

## LENS ACCESSORIES: Specify Separately

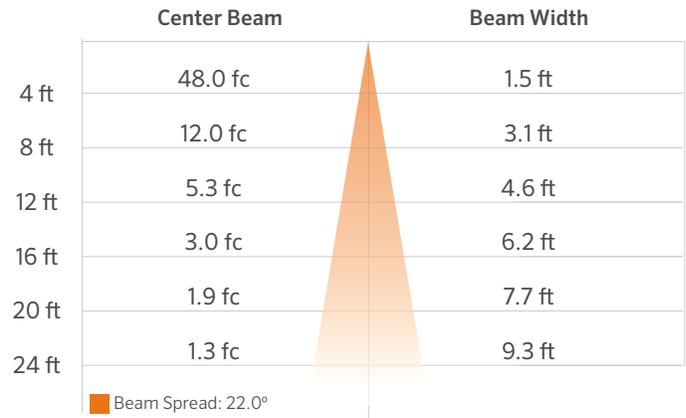
| Item                                  | Code   |
|---------------------------------------|--|
| ■ HEX BAFFLE<br>MR-11 Size            | 250015250000  |
| ■ SOLITE<br>SPREAD LENS<br>MR-11 Size | 250015420000  |
| ■ FROSTED LENS<br>MR-11 Size          | 250010480000  |
| ■ FLOOD LENS<br>1 LED Size            | 1LEDFLENS     |
| ■ WIDE FLOOD LENS<br>1 LED Size       | 1LEDWFLENS    |

\*\*YY = riser height in inches (6" increments between 6" and 36"),  
XX = finish code

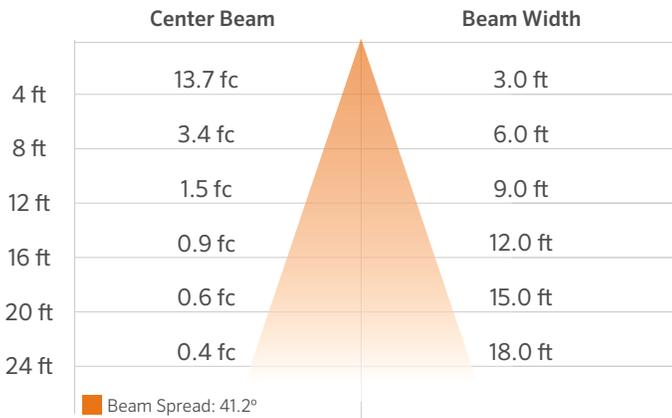
## FR 1 LED ILLUMINANCE AT A DISTANCE



## FR 3 LED ILLUMINANCE AT A DISTANCE



## FR ZDC ILLUMINANCE AT A DISTANCE



**NOTE:** Photometric data for 1LED and 3LED configurations displayed using 3,900K filter with spot lens.