# Designer™ JB Directional Down Light



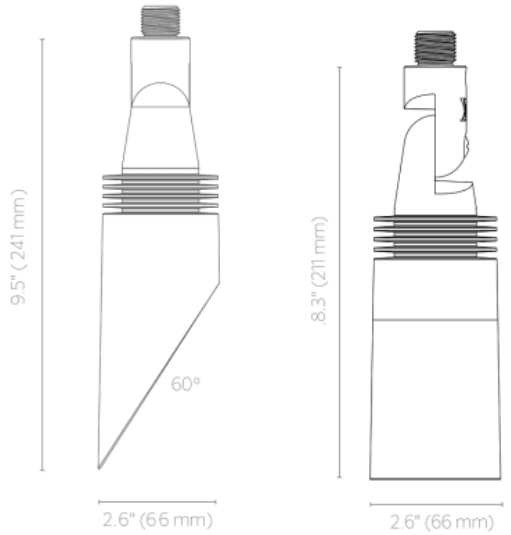
| | |
|---|---|
| PROJECT NAME | |
| TYPE | |
| CATALOG # | |
| QUANTITY | |
| NOTES | |

The JB and DE allow you to add the supplied blue lens to create a natural moonlighting effect. Whether placed in a tight space or out in the open, these make a fine addition to any landscape.

## Quick Facts

- Built with durable, lightweight aluminum housing that withstands any weather condition
- Preinstalled with an extra-long 26' (8 m) wire lead for high and hard-to-reach installations
- Includes field-servicable beam angle lenses from Very Narrow to Wide Flood
- Features ProAim® adjustability with compress-and-lock features to prevent slip after installation and over 220° of vertical adjustability
- Includes Mini Mount wall bracket for easy installation right out of the box
- Angled or straight glare-control options
- Driver on Board Technology layout for compact design and fewer components
- Built-in Luxor® Technology enables powerline zoning, smooth dimming, and RGBW color-changing with the Luxor Controller
- Available in static color and dynamic RGBW color-changing options
- Available in a wide range of powder-coated finishes to suit all exterior designs and preferences

## JB Dimensions




## JB Spec Chart

| Output | 1LED | 3LED | ZDC |
|---|---|---|---|
| Total Lumens† | 100 | 240 | 70-165 |
| Input Voltage (V) | 10-15 | 10-15 | 11-15 |
| Power Consumption (VA) | 2.2 W | 4.4 W | 7.2 W |
| Efficacy (lm/W) | 55 | 63 | 20 |
| Color Rendering Index (CRI) | 83 | 82 | -- |
| Center Beam Candlepower* | | | |
| Wide Flood (60) | 136 | 381 | 114 |
| Dimming | | | |
| Primary Dimming (Transformer) | Consult transformer specifications | | |
| Secondary Dimming (Fixture) | Phase-cut** | Phase-cut** | Luxor |
| Minimum Rated Life L70 (Hrs) | 72,000 | 72,000 | 55,000 |

## JB Photometrics

### JB-1LED

Illuminance at a Distance

| Distance | Center Beam fc | Beam Width | |
|---|---|---|---|
| **Feet (Meters)** | **Foot-Candles (Lux)** | **Vertical: 44.6°** | **Horizontal: 48.4°** |
| **5 ft (1.5 m)** | 5.1 fc (55 lx) | 4.1 ft (1.2 m) | 4.5 ft (1.4 m) |
| **10 ft (3.0 m)** | 1.3 (14 lx) | 8.2 ft (2.5 m) | 9.0 ft (2.7 m) |
| **15 ft (4.6 m)** | 0.6 fc (6 lx) | 12.3 ft (3.7 m) | 13.5 ft (4.1 m) |
| **20 ft (6.1m)** | 0.3 fc (3 lx) | 16.4 ft (5.0 m) | 18.0 ft (5.5 m) |
| **25 ft (7.6 m)** | 0.2 fc (2 lx) | 20.5 ft (6.2 m) | 22.5 ft (6.9 m) |
| **30 ft (9.1 m)** | 0.1 fc (2 lx) | 24.6 ft (7.5 m) | 27.0 ft (8.2 m) |

### JB-1LED-SS

Illuminance at a Distance

| Distance | Center Beam fc | Beam Width | |
|---|---|---|---|
| **Feet (Meters)** | **Foot-Candles (Lux)** | **Vertical: 36.6°** | **Horizontal: 30.6°** |
| **5 ft (1.5 m)** | 5.5 fc (59 lx) | 3.3 ft (1.0 m) | 2.7 ft (0.8 m) |
| **10 ft (3.0 m)** | 1.4 fc (15 lx) | 6.6 ft (2.0 m) | 5.5 ft (1.7 m) |
| **15 ft (4.6 m)** | 0.6 fc (7 lx) | 9.9 ft (3.0 m) | 8.2 ft (2.5 m) |
| **20 ft (6.1m)** | 0.3 fc (4 lx) | 13.2 ft (4.0 m) | 10.9 ft (3.3 m) |
| **25 ft (7.6 m)** | 0.2 fc (2 lx) | 16.5 ft (5.0 m) | 13.7 ft (4.2 m) |
| **30 ft (9.1 m)** | 0.2 fc (2 lx) | 19.8 ft (6.0 m) | 16.4 ft (5.0 m) |

### JB-3LED

Illuminance at a Distance

| Distance | Center Beam fc | Beam Width | |
|---|---|---|---|
| Feet (Meters) | Foot-Candles (Lux) | Vertical: 40.8° | Horizontal: 44.4° |
| 5 ft (1.5 m) | 15 fc (157 lx) | 3.7 ft (1.1 m) | 4.1 ft (1.2 m) |
| 10 ft (3.0 m) | 3.6 fc (39 lx) | 7.4 ft (2.3 m) | 8.2 ft (2.5 m) |
| 15 ft (4.6 m) | 1.6 fc (17 lx) | 11.2 ft (3.4 m) | 12.2 ft (3.7 m) |
| 20 ft (6.1m) | 0.9 fc (10 lx) | 14.9 ft (4.5 m) | 16.3 ft (5.0 m) |
| 25 ft (7.6 m) | 0.6 fc (6 lx) | 18.6 ft (5.7 m) | 20.4 ft (6.2 m) |
| 30 ft (9.1 m) | 0.4 fc 4 lx) | 22.3 ft (6.8 m) | 24.5 ft (7.5 m) |

JB-3LED-SS
Illuminance at a Distance

| Distance | Center Beam fc | Beam Width | |
|---|---|---|---|
| Feet (Meters) | Foot-Candles (Lux) | Vertical: 34.5° | Horizontal: 34.4° |
| 5 ft (1.5 m) | 14 fc (151 lx) | 3.1 ft (0.9 m) | 3.1 ft (0.9 m) |
| 10 ft (3.0 m) | 3.5 fc (38 lx) | 6.2 ft (1.9 m) | 6.2 ft (1.9 m) |
| 15 ft (4.6 m) | 1.6 fc (17 lx) | 9.3 ft (2.8 m) | 9.3 ft (2.8 m) |
| 20 ft (6.1m) | 0.9 fc (10 lx) | 12.4 ft (3.8 m) | 12.4 ft (3.8 m) |
| 25 ft (7.6 m) | 0.6 fc (6 lx) | 15.5 ft (4.7 m) | 15.5 ft (4.7 m) |
| 30 ft (9.1 m) | 0.4 fc 4 lx) | 18.6 ft (5.7 m) | 18.6 ft (5.7 m) |

## Technical 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.

## CONSTRUCTION

| | |
|---|---|
| **Materials** | Die-cast aluminum A380 housing and shroud with stainless steel hardware. Die- cast zinc/aluminum alloy knuckle. |
| **Optics** | Color temperature defined by part number. Beam angle lenses included with fixture: 60° (pre-installed) and 35°. For additional color filters, spread lenses, hex baffles, etc., use MR-11 sized accessories (MR-11: 1.375" (34.9 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 with setscrew. Includes mini mount. |
| **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. |
| **Glare Control** | Die-cast aluminum shroud with 60° cutoff. Straight should selection is 4'' (100 mm) in length. |
| **Weight** | 1.9 lbs. (0.9 kg) |
| **Ambient Operating Temperature** | 0°F to 140°F (-18°C to 60°C) |

## SUSTAINABILITY & MANUFACTURING

| | |
|---|---|
| **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 downward direction only. |
| **Warranty** | 10-Year Limited Warranty |

## LISTINGS

## ADDITIONAL CERTIFICATIONS

UL 1838

# Model Configurator

| JB | | | | | | | |
|---|---|---|---|---|---|---|---|
| MODEL | LIGHTING ENGINE | LUXOR CONTROL | POWER | LED COLOR | COMPLIANCE | GLARE CONTROL | FINISH |

## LIGHTING ENGINE

- ☐ **Powerboard Integrated LED**

## LUXOR CONTROL

- ☐ **[Default]**
  On/Off | Phase Dimmable | Zone with Luxor
- ☐ **ZD**
  Zone/Dim with Luxor
- ☐ **ZDC**
  Zone/Dim/Color with Luxor (Medium Round 3 LED)

## POWER

- ☐ **1LED**
  2.4 VA
- ☐ **3LED**
  4.5 VA
- ☐ **[Default]**
  Default ZDC Option 6.0W/7.2VA

## LED COLOR

- ☐ **[Default]**
  Warm (2700K)
- ☐ **S**
  Soft (3000K)
- ☐ **C**
  Cool (4000K)

## COMPLIANCE

- ☐  **[Default]**
  North America (UL Listed)
- ☐  **E**
  International (CE Certified)

## GLARE CONTROL

- ☐ **[Default]**
  60° Angled Shroud
- ☐ **SS**
  Straight Shroud

### FINISH

- **BZ** Bronze Metallic
- **FB** Black
- **SB** Sedona Brown
- **DG** Desert Granite
- **WI** Weathered Iron
- **FW** Flat White
- **SV** Silver

## Accessories

### MOUNTING



**VB-050-XX*** VB-050
VersaBox® Mount with ½" Thread



**MJB-050-XX*** MJB-050
Mini J-Box for ½" Thread



**TB-XX*** TB
TreeBox® Mount with ½" Thread



**WM-XX*** WM
Wall Mount Knuckle



**MM-050-XX*** MM-050
Mini Mount



**WP-1G-050-XX*** WP-1G-050
Single-Gang Wall Plate with ½" Thread



**WP-RD-050-XX*** WP-RD-050
Round Wall Plate with ½" Thread



**YY*-R-XX***
Aluminum Riser, ¾" Diameter



**COUP-XX*** COUP
Straight Coupling



**ELBW-050-XX*** ELBW-050
90° Coupling



**TMNT-050-XX*** TMNT-050
T-Mount Coupling with ½" Thread



**YY*-R-SL-XX***
Sign Light Riser, Aluminum



**YY*-R-GT-XX***
1.0" (25 mm) Copper Riser for GT Path Light



**TR-YY*-8P-XX*** TR
Tree Ring

## POWER



**MT-6W**
Plug-In Transformer, 6 W



**ST-UV**
Step-Down Transformer, UV (120/277 V to 12 V)



**SURGE-MOD**
Surge Protection Module