

## JB LED Down Light DESIGNER PLUS




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PROJECT

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CATALOG #

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TYPE

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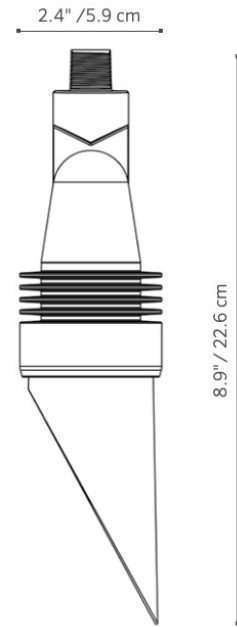
NOTES

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The JB is FX Luminaire's original LED Down Light. The JB solves the problem of changing lamps in complicated areas by providing long-life LEDs. The pure color of the LED allows you to add the supplied blue lens to create a natural moonlight effect.

### Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Lumileds® Integrated LEDs
- ProAim™ adjustability
- Beam angle lenses
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V



# JB LED Down Light SPECIFICATIONS

Output	1LED	3LED	ZDC
Total Lumen†	101	246	62
Input Voltage	10 to 15V	10 to 15V	11 to 15V
Input Power	1.9 W	4.0 W	6.0 W
Power Consumption (VA)	2.2 W	4.4 W	7.2 W
Efficacy (lm/W)	55	63	20
Color Rendering Index (CRI)	83	82	80+
Center Beam Candlepower*			
Wide Flood (60)	136	381	114
Dimming			
Primary Dimming (Transformer)	Consult transformer specifications		
Secondary Dimming (Fixture)	Phase-cut**	Phase-cut**	Luxor
RGBW Available	No	No	Yes
Luxor Compatibility			
Default	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	Zoning/Dimming/Color
Minimum Rated Life L70 (Hrs)	72,000	72,000	55,000

\* Information for Flood available in IES files

\*\* For optimal performance, use a trailing-edge, phase-cut dimmer.

† Measured using the 2,700K CCT option.

# JB LED Down 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 1/2"-14" 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: 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.

## 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 60° cutoff. Straight should selection is 4" (100 mm) in length.

## Weight

1.9 lbs. (0.9 kg)

## Lens

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

## International Compliance

International Compliance Compliant per IEC 60598-1 and IEC 60598-2-4 when used with the TreeBox® ("TB-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 downward 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.








## Warranty

10-Year Limited Warranty

## Listings



# JB LED Down Light ORDERING INFORMATION

Fixture	Luxor Option	Lamp	Compliance	Shroud	Mounting	Finish
<b>JB</b>	<b>[default]</b> Zone	<b>1 LED</b> 2.0W/2.4VA	<b>[default]</b> North America (UL-listed)	<b>[default]</b> 60° Angled Shroud	<b>[default]</b> Mini-Mount	<b>BZ</b> Bronze Metallic 
	<b>ZD</b> Zone/Dim	<b>3 LED</b> 4.0W/4.4VA	<b>e</b> Int'l (CE Certified)	<b>SS</b> 3" Straight Shroud	<b>[default]</b> Bracket Mount (e only)	<b>DG</b> Desert Granite 
	<b>ZDC</b> Zone/Dim/Color	<b>[default ZDC option]</b> 6.0W/7.2VA				<b>WI</b> Weathered Iron 
						<b>SB</b> Sedona Brown 
						<b>FB</b> Black 
						<b>FW</b> Flat White 
						<b>SV</b> Silver 



EXAMPLE FIXTURE CONFIGURATION: *JB-XX-XXXX-XX*















JB-1LED Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
<b>Feet (Meters)</b>	<b>Foot-Candles (Lux)</b>	<b>Vertical: 44.6°</b>	<b>Horizontal: 48.4°</b>
<b>5 ft (1.5 m)</b>	5.1 fc (55 lx)	4.1 ft (1.2 m)	4.5 ft (1.4 m)
<b>10 ft (3.0 m)</b>	1.3 (14 lx)	8.2 ft (2.5 m)	9.0 ft (2.7 m)
<b>15 ft (4.6 m)</b>	0.6 fc (6 lx)	12.3 ft (3.7 m)	13.5 ft (4.1 m)
<b>20 ft (6.1m)</b>	0.3 fc (3 lx)	16.4 ft (5.0 m)	18.0 ft (5.5 m)
<b>25 ft (7.6 m)</b>	0.2 fc (2 lx)	20.5 ft (6.2 m)	22.5 ft (6.9 m)
<b>30 ft (9.1 m)</b>	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	
<b>Feet (Meters)</b>	<b>Foot-Candles (Lux)</b>	<b>Vertical: 36.6°</b>	<b>Horizontal: 30.6°</b>
<b>5 ft (1.5 m)</b>	5.5 fc (59 lx)	3.3 ft (1.0 m)	2.7 ft (0.8 m)
<b>10 ft (3.0 m)</b>	1.4 fc (15 lx)	6.6 ft (2.0 m)	5.5 ft (1.7 m)
<b>15 ft (4.6 m)</b>	0.6 fc (7 lx)	9.9 ft (3.0 m)	8.2 ft (2.5 m)
<b>20 ft (6.1m)</b>	0.3 fc (4 lx)	13.2 ft (4.0 m)	10.9 ft (3.3 m)
<b>25 ft (7.6 m)</b>	0.2 fc (2 lx)	16.5 ft (5.0 m)	13.7 ft (4.2 m)
<b>30 ft (9.1 m)</b>	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	
<b>Feet (Meters)</b>	<b>Foot-Candles (Lux)</b>	<b>Vertical: 40.8°</b>	<b>Horizontal: 44.4°</b>
<b>5 ft (1.5 m)</b>	15 fc (157 lx)	3.7 ft (1.1 m)	4.1 ft (1.2 m)
<b>10 ft (3.0 m)</b>	3.6 fc (39 lx)	7.4 ft (2.3 m)	8.2 ft (2.5 m)
<b>15 ft (4.6 m)</b>	1.6 fc (17 lx)	11.2 ft (3.4 m)	12.2 ft (3.7 m)
<b>20 ft (6.1m)</b>	0.9 fc (10 lx)	14.9 ft (4.5 m)	16.3 ft (5.0 m)
<b>25 ft (7.6 m)</b>	0.6 fc (6 lx)	18.6 ft (5.7 m)	20.4 ft (6.2 m)
<b>30 ft (9.1 m)</b>	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	
<b>Feet (Meters)</b>	<b>Foot-Candles (Lux)</b>	<b>Vertical: 34.5°</b>	<b>Horizontal: 34.4°</b>
<b>5 ft (1.5 m)</b>	14 fc (151 lx)	3.1 ft (0.9 m)	3.1 ft (0.9 m)
<b>10 ft (3.0 m)</b>	3.5 fc (38 lx)	6.2 ft (1.9 m)	6.2 ft (1.9 m)
<b>15 ft (4.6 m)</b>	1.6 fc (17 lx)	9.3 ft (2.8 m)	9.3 ft (2.8 m)
<b>20 ft (6.1m)</b>	0.9 fc (10 lx)	12.4 ft (3.8 m)	12.4 ft (3.8 m)
<b>25 ft (7.6 m)</b>	0.6 fc (6 lx)	15.5 ft (4.7 m)	15.5 ft (4.7 m)
<b>30 ft (9.1 m)</b>	0.4 fc 4 lx)	18.6 ft (5.7 m)	18.6 ft (5.7 m)

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.		Mounts	Catalog No.	
Straight Coupling	COUP-XX*		90° Coupling	ELBW-050-XX*	
Mini J-Box for ½" Thread	MJB-050-XX*		Mini Mount	MM-050-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*	
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*		1.0" (25 mm) Copper Riser for GT Path Light	YY*-R-GT-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-11 LED Lamps	250015250000			

## 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				