

JB LED Down Light **DESIGNER PLUS**



PROJECT

CATALOG #

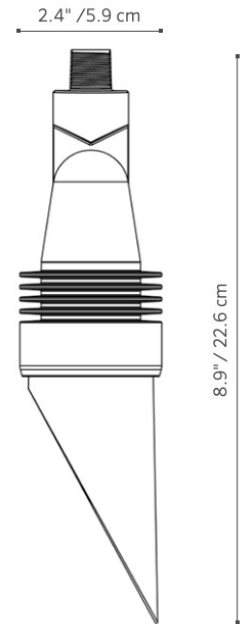
TYPE

NOTES

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 Lumenst	101	246	62
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 LED Down 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 ½"-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)

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

[field_spec_builder_mount] [field_spec_builder_mount]

Fixture	Control	Power	Compliance	Shroud	Mounting	Finish
JB	[Default] Zone with Luxor, On/Off, Phase Dimmable	1 LED 2.0W/2.4VA	[default] North America (UL Listed)	[default] 60° Angled Shroud	[default] Mini-Mount	BZ Bronze Metallic 
	ZD Zone/Dim with Luxor	3 LED 4.0W/4.4VA	E International (CE Certified)	SS 3" Straight Shroud	[default] Bracket Mount (e only)	FB Black 
	ZDC Zone/Dim/Color with Luxor	[default ZDC option] 6.0W/7.2VA				DG Desert Granite 
						WI Weathered Iron 
						SB Sedona Brown 
						FW Flat White 
						SV Silver 



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

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 LED Down Light ORDERING INFORMATION

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 (6.1 m)	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)



MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.	Mounts	Catalog No.
90° Coupling	ELBW-050-XX*		
Mini J-Box for 1/2" Thread	MJB-050-XX*		Mini Mount
			MM-050-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*
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*		1.0" (25 mm) Copper Riser for GT Path Light
			YY*-R-GT-XX*
Sign Light Riser, Aluminum	YY*-R-SL-XX*		Aluminum Riser, 3/4" Diameter
			YY*-R-XX*

GLARE CONTROL: Specify Separately

Glare Control	Catalog No.		Glare Control	Catalog No.
MR11 Hex Baffle	250015250000			

POWER OPTIONS: Specify Separately

Power	Catalog No.	
Plug-In Transformer, 6 W	MT-6W	
Surge Protection Module	SURGE-MOD	
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Power	Catalog No.	
Step-Down Transformer, UV (120/277 V to 12 V)	ST-UV	