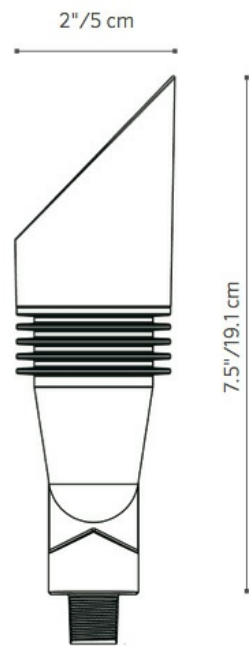# FXLuminaire®

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

2"/5 cm

7.5"/19.1 cm

LANDSCAPE AND ARCHITECTURAL LIGHTING

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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	--	--
Mininum 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

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 (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)

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	Control	Power	Compliance	Finish	
FB	**[Default]** Zone with Luxor, On/Off, Phase Dimmable	**1 LED** 2.0W/2.4VA	**[default]** 12V (North America)	**BZ** Bronze Metallic	
	ZD Zone/Dim with Luxor	**3 LED** 4.0W/4.4VA	**E** International (CE Certified)	**FB** Black	
				DG Desert Granite	
				WI Weathered Iron	
				SB Sedona Brown	
				FW Flat White	
				SV 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*		90º 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*-8P-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 CONTROL: Specify Separately

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

POWER OPTIONS: Specify Separately

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