FXLuminaire

LP LED Underwater Light

DESIGNER PREMIUM

PROJECT

CATALOG #

TYPE

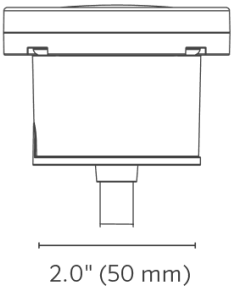
NOTES

The LP is the smallest integrated LED underwater light by FX Luminaire. Designed for small spaces, the LP adds a unique architectural element to any water feature. Its natural brass construction ensures durability. With integrated Luxor® Technology, lead direction, and lead length options, the LP creates numerous possibilities for any project.

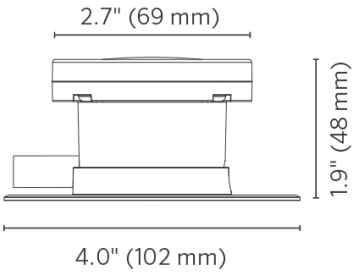
Quick Facts

- Die-cast brass
- Natural brass with tumbled finish
- Cree® integrated LEDs
- Tamper-resistant features
- Color temperature filters
- Phase and Luxor dimmable
- 90° beam spread
- Input voltage: 10 to 15 V

Vertical Lead



Horizontal Lead



Output	1LED	3LED	3LEDT	ZDC
Total Lumens†	74	173	121	147
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V
Input Power (W)	2.0 W	4.2 W	4.2 W	6.0 W
VA	2.4 W	4.5 W	4.5 W	7.2 W
Efficacy (Lumens/Watt)	38	41	34	46
Color Rendering Index (CRI)	80+	80+	--	80+
Center Beam Candlepower	35	82	251	124
Dimming				
Primary Dimming (Transformer)	Consult transformer specifications			
Secondary Dimming (Fixture)	Phase-cut**	Phase-cut**	Phase-cut**	Luxor
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	--	Zoning
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	Zoning/Dimming/Color
Minimum Rated Life (L70)	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs

** 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)

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 C360 brass housing and cap with composite support stand.

Knuckle

Die-cast brass faceplate with flat face.

LED

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 upgradable and replaceable, the LEDs are rated to 55,000 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. Color temperature lenses field serviceable.

Finish

Natural brass finish.

Hardware

T15 Torx screws. Includes support stand.

Wiring

16 AWG (1.3 mm); 220°F (105°C); 300 V; 30' (9 m) length.

Sockets

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

Power

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

Housing

Die-cast brass housing with capacity for 1 LED, 3 LED, or ZDC integrated LEDs.

Weight

1.0 lb (0.5 kg)

Lens

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

International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-4 by selecting the "e" version in parts builder.

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 any direction, underwater only. Maximum depth of 10' (3 m).

Control

ZDC 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 ZDC.Standard fixture is zoneable with ZDC.

Manufacturing

ISO 9001:2015 certified facility

Warranty

10 Years

Listings

LP LED Underwater Light ORDERING INFORMATION

Fixture	Control	Power	Compliance	Wire Direction	Wire Length	Finish
LP	**ZD** Zone/Dim with Luxor	**1 LED** 1.9W/2.2VA	**[default]** North America (UL Listed)	**HZ** Horizontal with Support Stand	**30** Standard Lead, 30' (9 m)	**BS** Natural Brass
	ZDC Zone/Dim/Color with Luxor	**3 LED** Zone; 4.0 W/4.4 VA	**E** International (CE Certified)	**VR** Vertical Conduit	**XL** Extra-Long Lead, 100' (30 m)	
		3 LEDT Wildlife-Friendly (585-595 nm)				
		[default ZDC option] 6.0W/7.2VA				

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

LP 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	Vertical 89.0°
3' (0.9 m)	4 fc (42 lx)	6' (1.8 m)
6' (1.8 m)	8 fc (86 lx)	12' (3.7 m)
9' (2.7 m)	3 fc (32 lx)	18' (5.5 m)
12' (3.7 m)	1.9 fc (21 lx)	24' (7.3 m)
15' (4.6 m)	1.2 fc (13 lx)	30' (9.1 m)
18' (5.5 m)	0.8 fc (9 lx)	36' (10.9 m)

LP 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	Vertical 89.0°
3' (0.9 m)	9 fc (99 lx)	6' (1.8 m)
6' (1.8 m)	2 fc (25 lx)	12' (3.7 m)
9' (2.7 m)	1 fc (11 lx)	18' (5.5 m)
12' (3.7 m)	0.6 fc (7 lx)	24' (7.3 m)
15' (4.6 m)	0.4 fc (4 lx)	30' (9.1 m)
18' (5.5 m)	0.3 fc (3 lx)	35' (10.7 m)

LP ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	Vertical 55.0°
3' (0.9 m)	14 fc (149 lx)	3' (0.9 m)
6' (1.8 m)	4 fc (38 lx)	6' (1.8 m)
9' (2.7 m)	1.5 fc (16 lx)	9' (2.7 m)
12' (3.7 m)	0.9 fc (10 lx)	13' (4.0 m)
15' (4.6 m)	0.6 fc (7 lx)	16' (4.9 m)
18' (5.5 m)	0.4 fc (4 lx)	19' (5.8 m)