



PROJECT

CATALOG #

TYPE

NOTES

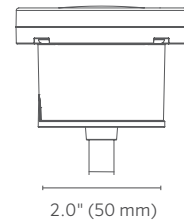
LP Underwater Light DESIGNER PREMIUM

Designed for small spaces, this fixture adds a unique architectural element to any water feature. Its natural brass construction ensures durability. With three color filters, integrated **Luxor® Technology** and lead length options, the LP creates numerous possibilities for any project.

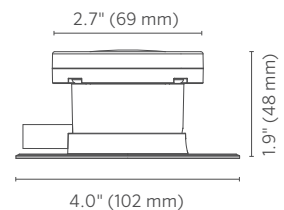
Quick Facts

- 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

VR (Vertical Lead)



HZ (Horizontal Lead)



LP Underwater Light SPECIFICATIONS

Output	1 LED	3 LED	3 LEDT	ZDC
Total Lumens[†]	74	173	121	147
Input Voltage	10 to 15 V	10 to 15 V	10 to 15 V	10 to 15 V
Input Power	2.0 W	4.2 W	4.2 W	6.0 W
Power Consumption (VA)	2.4 W	4.5 W	4.5 W	7.2 W
Efficacy (lm/W)	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 L90 B10 (Hrs)	55,000	55,000	55,000	55,000

** For optimal performance, use a trailing-edge (reverse 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).

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 C360 brass housing and cap with composite support stand.

Socket

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

Lamp

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.

Wiring

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

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.

Faceplate

Die-cast brass faceplate with flat face.

Lens

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

Hardware

T15 Torx screws. Includes support stand.

Finish

Natural brass finish.

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Weight

1.0 lb (0.5 kg)

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.

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).

Warranty

10-year limited warranty.

Wildlife-Friendly Lighting

Available with wildlife-friendly amber LEDs.

International Compliance

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


Manufacturing

ISO 9001:2015 certified facility

Listings



LP Underwater Light ORDERING INFORMATION

Fixture	Luxor/LED	Compliance	Wire Direction	Wire Length	Finish	
LP*	1LED Zone; 74 lm 2.0 W/2.4 VA	[default] UL Listed	HZ Horizontal with Support Stand	30 Standard Lead, 30' (9 m)	BS Natural Brass	
	3LED Zone; 173 lm 4.2 W/4.5 VA	e CE Certified	VR Vertical Conduit	XL Extra-Long Lead, 100' (30 m)		
	ZD3LED Zone/Dim; 173 lm 4.2 W/4.5 VA					
	ZD3LEDT** Wildlife-Friendly Amber (585-595 nm)					
	ZDC Zone/Dim/Color; 147 lm 6.0 W/7.2 VA					

EXAMPLE FIXTURE CONFIGURATION: LP-ZD3LED-VR-30-BS†




* Ships with Support Stand (250022480000)

** Available with ZD Luxor option only.

† Hyphens are for readability purposes only.

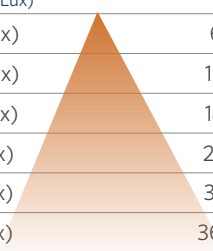
MOUNTING OPTIONS

Item	Code	
SUPPORT STAND 4.0" (102 mm)	250022480000 Included	

LP Underwater Light PHOTOMETRICS

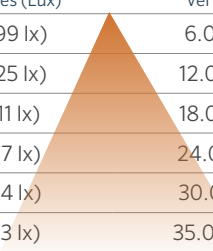
LP 1 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	
3.0' (0.9 m)	4.0 fc (42 lx)	6.0' (1.8 m)
6.0' (1.8 m)	8.0 fc (86 lx)	12.0' (3.7 m)
9.0' (2.7 m)	3.0 fc (32 lx)	18.0' (5.5 m)
12.0' (3.7 m)	1.9 fc (21 lx)	24.0' (7.3 m)
15.0' (4.6 m)	1.2 fc (13 lx)	30.0' (9.1 m)
18.0' (5.5 m)	0.8 fc (9 lx)	36.0' (10.9 m)



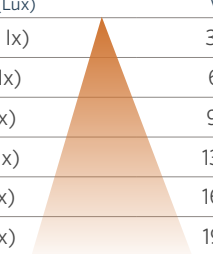
LP 3 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	
3.0' (0.9 m)	9.0 fc (99 lx)	6.0' (1.8 m)
6.0' (1.8 m)	2.0 fc (25 lx)	12.0' (3.7 m)
9.0' (2.7 m)	1.0 fc (11 lx)	18.0' (5.5 m)
12.0' (3.7 m)	0.6 fc (7 lx)	24.0' (7.3 m)
15.0' (4.6 m)	0.4 fc (4 lx)	30.0' (9.1 m)
18.0' (5.5 m)	0.3 fc (3 lx)	35.0' (10.7 m)



LP ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	
3.0' (0.9 m)	14.0 fc (149 lx)	3.0' (0.9 m)
6.0' (1.8 m)	4.0 fc (38 lx)	6.0' (1.8 m)
9.0' (2.7 m)	1.5 fc (16 lx)	9.0' (2.7 m)
12.0' (3.7 m)	0.9 fc (10 lx)	13.0' (4.0 m)
15.0' (4.6 m)	0.6 fc (7 lx)	16.0' (4.9 m)
18.0' (5.5 m)	0.4 fc (4 lx)	19.0' (5.8 m)



Note: Photometric data displayed using 3,900K filter with 20° spot lens. ZDC option defaults to wide flood.

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