



PROJECT _____

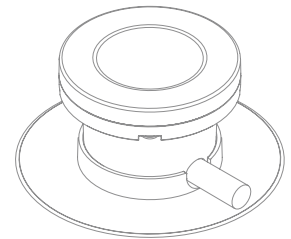
CATALOG # _____

TYPE _____

NOTES _____

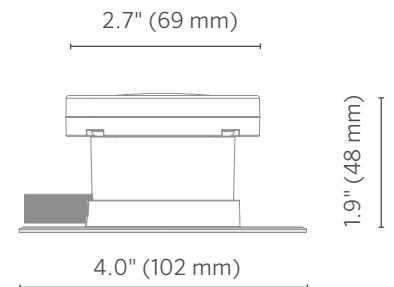
LP Underwater Light **DESIGNER PREMIUM**

Designed for small spaces, the LP 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
- Compatible with Luxor technology
- Phase and PWM dimmable
- Input voltage: 10-15V
- 90° beam spread



LP Underwater Light SPECIFICATIONS

| 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 | 4.2 | 4.2 | 6.0 |
| VA | 2.4 | 4.5 | 4.5 | 7.2 |
| Efficacy (Lumens/Watt) | 38 | 41 | 34 | 46 |
| Color Rendering Index (CRI) | 84 | 84 | -- | 81 |
| Center Beam Candlepower | 35 | 82 | 251 | 124 |
| Dimming | PWM, Phase** | PWM, Phase** | PWM, Phase** | PWM, Phase** |
| RGBW Available | No | No | No | Yes |
| Luxor Compatibility | | | | |
| Default | Zoning | Zoning | -- | Zoning |
| ZD Option | Zoning/Dimming | Zoning/Dimming | Zoning/Dimming | Zoning/Dimming |
| ZDC Option | -- | -- | -- | Zoning/Dimming/Color |
| Minimum Rated Life (L70) | 50,000 Hrs | 50,000 Hrs | 50,000 Hrs | 50,000 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).

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 highly efficient lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential application. Our products are available exclusively via our extensive professional distributor network.

Materials

Die-cast C360 brass housing and cap with composite support stand.

Lamp

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. Color temperature lenses field serviceable.

Socket

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

Wiring

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

Power

Input 10-15VAC/VDC 50/60Hz. 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.

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

ZD or ZDC utilizes 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.

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.


Manufacturing

ISO 9001:2015 certified facility

Listings



LP Underwater Light ORDERING INFORMATION


| Fixture-Size | Luxor Option | Output | Options | Finish |
|--------------|-------------------------|--|---|---|
| LP* | ■ [default] Zone | ■ 1LED 74 Lumens | ■ [default] Standard Lead 30' (9 m) | ■ BS Natural Brass  |
| | ■ ZD Zone/Dim | ■ 3LED 173 Lumens | ■ XL Extra-Long Lead 100' (30 m) | |
| | | ■ 3LEDT** Wildlife-Friendly Amber (585-595 nm) | | |
| | ■ ZDC Zone/Dim/Color | ■ ZDC 147 Lumens | | |

EXAMPLE FIXTURE CONFIGURATION: LP-ZD-1LED-XL-BS



* Ships with composite support stand.
** Available with ZD Luxor option only.

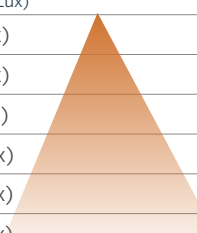
MOUNTING OPTIONS

| Mounts | Code | |
|----------------------------------|--------------------------|---|
| ■ SUPPORT STAND 4.0" (102 mm) | 250022480000 Included |  |

LP Underwater Light PHOTOMETRICS

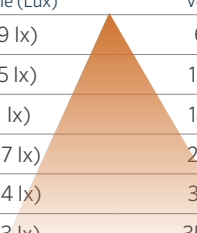
LP 1LED Illuminance at a Distance

| Feet (Meters) | Center Beam | Beam Width |
|---------------|-------------------|--------------|
| | Foot-Candle (Lux) | |
| 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) |



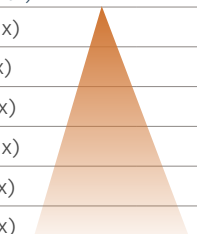
LP 3LED Illuminance at a Distance

| Feet (Meters) | Center Beam | Beam Width |
|---------------|-------------------|--------------|
| | Foot-Candle (Lux) | |
| 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) | |
| 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) |



NOTE: Photometric data displayed using 3,900K filter