








Project Name	
Type	
Part Number	
Quantity	
Notes	

Product Overview

The uPebble-7 is the smallest integrated LED underwater luminaire and is available in 1 or 3 LED. With integrated Luxor® Technology, three color filters, and flexible lead options, the highly durable luminaire adds a distinctive design element to any water feature. An RGBW option is also available for use with ZDCLink® Controllers.

Features

Total Lumens	173 lm
Power Consumption	2.2 W 4.4 W 7.2 W
Input Voltage	White: 10-15 Vac/dc, 50/60 Hz ZDC: 11-15 Vac/dc, 50/60 Hz
Installation Requirements	Underwater Up to Maximum Depth of 10' (3 m)
Typical Lifetime	White: 72,000 hrs RGBW: 55,000 hrs
Weight	1.0 lb (0.5 kg)
Compliance	   
Color Options	

Technology



Written Specifications

Electrical

Power Consumption	Specified power consumption indicates the full apparent power.
Input Voltage	White: 10–15 Vac/dc, 50/60 Hz. RGBW: 11–15 Vac, 50/60 Hz. Remote transformer required (specify separately).
Configuration	Integral driver.
LED	White: Lumileds® RGBW: Cree®
Thermal Management	CoolDrive™ onboard thermal monitoring and control.
Lifetime	White: >72,000 hours (L70, B10, TM21 Reported) RGBW: >55,000 hours (L70, B10, TM21 Reported)
Dimming	Luxor® control or a trailing-edge (reverse phase-cut) dimmer.

Control

Luxor® Control	The ZDClick Controller utilizes Luxor Technology™ to zone luminaires 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 luminaire is zoneable with ZDClick.
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Physical

Construction	Die-cast C360 brass housing and cap with stainless steel fasteners and (when applicable) composite support stand.
Finish	Natural metal finish.
Beam Angles	90°
Installation	Designed for installation in any direction, underwater only. Maximum depth of 10' (3 m).
Installation Accessories (Included)	Horizontal lead configuration ships with a polycarbonate support stand.
Adjustability	Fixed position.
Wiring	16 AWG (1.3 mm); 220°F (105°C); 300 V; 0.30 PVC insulation.
Socket	MicroAntileach™ Technology to prevent moisture from wicking up into sealed areas of the luminaire.
Ambient Operating Temperature	0°F to 140°F (-18°C to 60°C).
Lens	Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.
Lens Transparency	Frosted
Hardware	Tamper-resistant stainless steel hardware.
Housing Capacity	Round 1LED, 3LED, or ZDC-M
Weight	1.0 lb (0.5 kg)

Compliance

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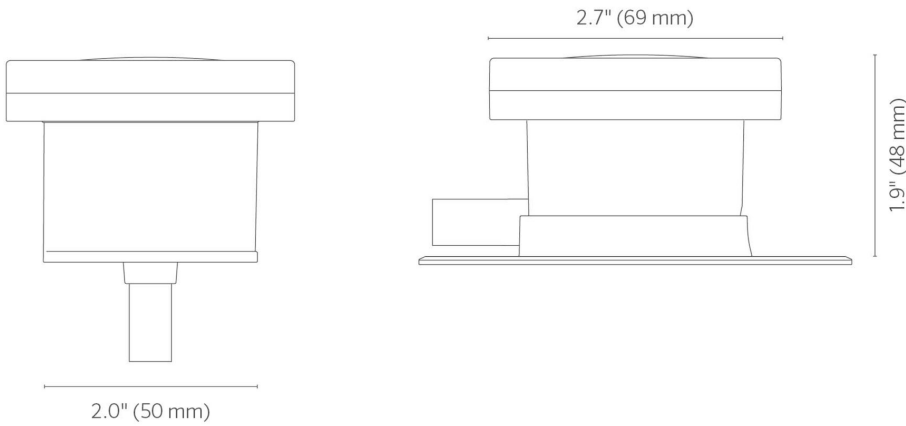
IP Rating	IP68
Environment	Dry, Damp, Wet locations.
Wildlife-Friendly Lighting	The 3LEDT option is Wildlife Lighting Certified by the Florida Fish and Wildlife Conservation Commission.
Certifications	UL 1838, CSA C22.2 No. 250.7, IEC 60598-1, IEC 605598-2-4, FCC Part 15, Subpart B, ISED Canada ICES-005, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3. Default configuration UL Listed. CE certification is met when the “e” option is selected.

Overview

About Us	Lumascapе transforms spaces with precision-engineered lighting solutions, proven to perform. Since 1991, customers have relied on us as a leading manufacturer of high-quality, innovative luminaires that solve their toughest lighting challenges. Our global experts combine sophisticated design, advanced technologies, quality materials, and rigorous testing to manufacture a comprehensive range of lighting systems that consistently exceed performance expectations. Lumascapе is a member of the Hunter Industries Family of Companies. Learn more at lumascapе.com .
Manufacturing	ISO 9001:2015 certified facility.
Warranty	5-year limited warranty.

Specifications

Dimensions



Photometrics 1LED

uPebble-7 1LED Illuminance at a Distance

Feet (Meters)	Center Beam Foot-Candles (Lux)	Beam Width Vertical 89.0°
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)

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

Photometrics 3LED

uPebble-7 3 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	
3.0' (0.9 m)	9 fc (99 lx)	6.0' (1.8 m)
6.0' (1.8 m)	2 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)

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

Photometrics ZDC

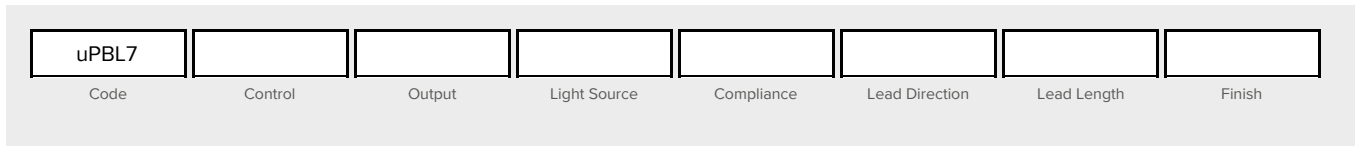
uPebble-7 ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	
3.0' (0.9 m)	14 fc (149 lx)	3.0' (0.9 m)
6.0' (1.8 m)	40 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 3,900 filter with 20° spot lens. ZDC option defaults to wide foot.

Configuration

For complete and up-to-date product options, configure the uPBL7 using our online product configurator.



Control

- Standard (-)**
 1) On/Off, 2) Phase-cut Dimming, or 3) Zone with Luxor® Technology using the ZDClick Lighting Controller.
- Zone/Dim (ZD)**
 Zone/Dim with Luxor® Technology using the ZDClick Lighting Controller.
- Zone/Dim/Color (ZDC)**
 Zone/Dim/Color with Luxor® Technology using the ZDClick Lighting Controller.

Output

- 2.2 W (1LED)**
 74 lm
- 4.4 W (3LED)**
 173 lm
- 4.4 W**
 173 lm, for ZD control
- 4.5 W (-)**
 121 lm, Wildlife-friendly, for ZD control
- 7.2 W**
 For ZDC control

Light Source

- Static White (K27)**
 2,700 K (80+ CRI)
- RGBW**
 For ZDC control
- Wildlife-Friendly (T)**
 Amber (585 to 595 nm)

Compliance

- North America**
 UL listed
- International (E)**
 UL listed and CE approved. Required for shipment outside of North America.

Lead Direction

- Horizontal (HZ)**
 With Support Stand
- Vertical (VR)**
 For North American 2.0 schedule 40 conduit

Lead Length

Standard (30)
30' (9m)

Extra-Long (XL)
100' (30 m)

Finish

Natural Brass (BS)



Accessories

Mounting & Installation

Specify Separately

- Support Stand (25002248000)**
4.0" (102 mm)



Power Supplies

Specify Separately

- Multi-Tap Transformer (PROLINK)**
The industry's most reliable multi-tap transformer.



- ZDClk® Lighting Controller (ZDClk)**
A combined lighting controller and transformer (120 Vac to 14 Vac) that offers powerline zoning, dimming, RGBW color changing, and optional Wi-Fi control via Luxor Technology™



- Dimmable Mini Transformer (ST-120-DIM)**
60 W, 120 V to 12 Vac step-down transformer.



- Non-Dimmable Mini Transformer (ST-UV)**
30 W universal voltage step-down transformer.



- 6 W Plug-in Transformer (MT-6W)**
Standard North American Type A, Class 2 transformer with 6 W capacity and 1' (300 mm) flying leads.

- 30 W Plug-in Transformer (MT-30W)**
Standard North American Type A, Class 2 transformer with 30 W capacity and 1' (300 mm) flying leads.

Supplemental Surge Protection

Specify Separately

- In-Line Surge Arrestor (SURGE-MOD)**
Provides two additional layers of surge protection (up to 10KW) to any 12 Vac/dc LED luminaire.



Wire Connections

Specify Separately

- Heat Shrink Wire Connectors - Medium (WCHSMD20)**

Tin-coated copper butt splices with adhesive-filled heat shrink tubes.



- Heat Shrink Wire Connectors - Small (WCHSSM20)**

Tin-coated copper butt splices with adhesive-filled heat shrink tubes.



