

A sleek, miniature wet location LED spotlight for ponds, water features and more

PROJECT	TYPE	CATALOG NUMBER
---------	------	----------------

Fixture Description:

A sleek, submersible, miniature wet location LED spotlight small enough to conceal within a water feature environment, landscape, pond, or water stream. Its small size makes it an easy fixture to hide under a rock.

Construction:

SS316 Stainless Steel
3m (10') rubber UV resistant cable Suitable for prolonged submersion in water

Electrical:

Wattage: 4W
Input Voltage: 9-15V AC/DC
Self-contained constant current driver eliminates voltage drop. Remote 12V constant voltage power supply or transformer required.
Phase (ELV/MLV) Dimmable*

Lumens: 300+ lm

Mounting:

Yolk Mounted
Optional (Ordered Sperately): Circular SS316 disc base providing weight for mounting to flat surfaces

Maximum Vertical adjustment tilt 60 °

Lamp Info:

High efficacy CREE LED
CRI: 80+ Standard; 90+ R9>50 Optional (White CCT Only)
Beam Angle Options: 10°, 30°, 40° (Standard), 60°, 80° or 10°x40° Ellipse Lens

(Note: lenses are NOT field interchangeable)

CCT/Color Options:

- White (2200K, 2700K, 3000K, 3500K, 4000K, 6000K)
- Single Color (Red, Blue, True Amber, Green, UV), or RGB/RGBW

Warranty:

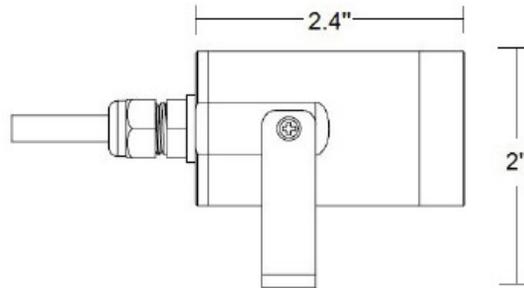
-1 year

Applications

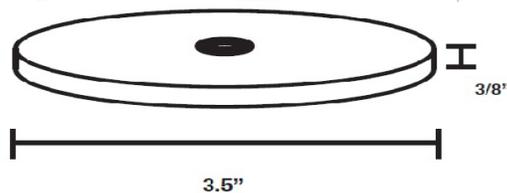
- Pond Lighting
- Fountain Lighting
- Wet Location Lighting
- Hospitality Lighting
- Water Parks
- Pool/Spa Lighting
- Landscape Lighting
- Marine Lighting
- Dock Lighting
- Water Features



Maximum Vertical adjustment tilt 60 °



Optional: Base plate, add 3/8" Height



To form a Catalog Number:	Prefix:	Optional:	Lamp Info.	Finish:
Ordering Example	DLED-UWS	DLED-UWS Base Plate Stainless Steel	White 2700K	Stainless Steel

Input Voltage	12V AC/DC
Operating Voltage Range	9-15V AC/DC
Max Voltage	16V AC
Dimmable	Yes - Phase (ELV/MLV)
Recommended Ambient Temperature	(-25° C ~ 50° C)
Recommended Case Temperature	(30° C ~ 65° C)
Maximum Case Temperature	70° C
Optics	Standard: 40°; Available: 10°, 30°, 60°, 80°, 10°x40°
Maximum View Angle	80°
Waterproof Class	IP68 - Submersion up to 10'
Life Span	35,000+ hours L70
Warranty	1 year limited warranty with approved systems
Material	SS316 Stainless Steel
Finish	Brushed Silver
Cholornated Environmental Guidelines	No more than 5mg/L
pH Guidelines	No less than 7.2
Lead Time	48 Hours if in stock; 2-4 weeks otherwise

Application Notes

Transformer Compatibility:

- American Illumination strongly recommends power supplies with short circuit, over load, over voltage, and over temperature protections. Soft Start recommended.
- 12V Constant Voltage SMPS: Provides stable output to the circuit and therefore UWS-LPH will operate with the highest brightness and efficiency with the least susceptibility to in-rush current or voltage spikes. Recommended.
- 12V Electronic Transformers: UWS-LPH is not compatible with legacy halogen electronic transformers due to high frequency switching, minimum load requirements, and potential voltage spikes. Only electronic transformers rated for LED loads and including in-rush protection, soft start, and surge protection should be used. Thorough testing before use is recommended.
- 12V Magnetic Transformer: UWS-LPH is typically compatible with magnetic transformers, but some models may allow in-rush current to pass through and affect the reliability of the Plugz components. Using a surge protector in conjunction with a magnetic transformer is recommended.
- LED DC Constant current driver: UWS-LPH already has an internal constant current driver, so an external constant current driver is NOT compatible.
- *Symptoms of incompatibility include no light output, flickering, strobing, random shutdown, and premature LED failure.

Dreamscape Lighting Inc. can provide users with recommended transformers based on the application requirements.

Thermal Regulation:

- This light should not be installed in locations or water where temperatures will consistently exceed 55°C (130°F)
- After prolonged operation, housing surface should be hot but not scalding. If case temp exceeds 70°C, disconnect light from power and contact Dreamscape Lighting.

Safety Guidelines:

- Wire circuit path must be free of obstructions or sharp points.
- Only UL, ETL, CSA or TUV approved power supplies should be used.
- Do not pull on, rupture, twist, damage or pinch the wires.
- Turn transformer off before connecting Plugz.
- Do not exceed the maximum load of the power supply.
- UWS-LPH will perform its best when subject to salt water submersion.
- Body of water should not exceed 5mg/L for chlorinated environment.
- pH of environment should be no less than 7.2.
- Do not expose the splice connection to moisture. Use silicone-filled wire nuts for outdoor splice connections.
- Do NOT attempt to disassemble, repair, or remove the leads, pins, optic or LED from the housing. Parts are integral and not replaceable. A breach of the LED compartment or driver compartment will result in voided warranty.