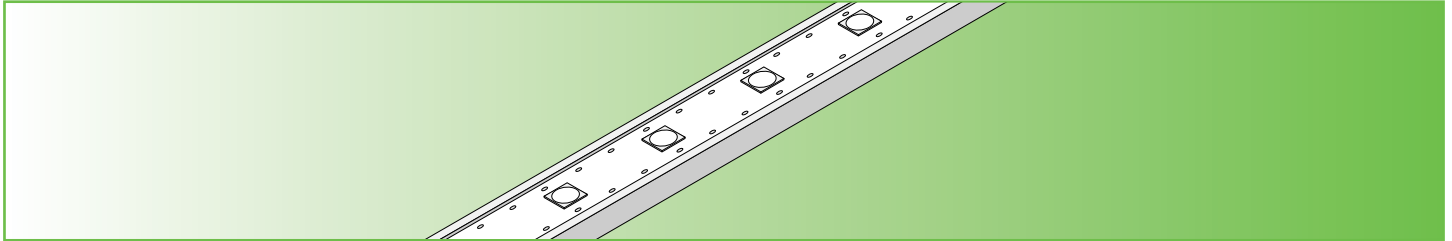




Item #

Project



HLS - STANDARD		HLSP - HD	
Voltage/Wattage		24v / 1.22W/ft.	24v / 2.44W/ft.
Lumens <sup>1</sup>	2700K	113 Lm/ft.	226 Lm/ft.
	3000K	113 Lm/ft.	226 Lm/ft.
	4000K	122 Lm/ft.	244 Lm/ft.
	6500K	122 Lm/ft.	244 Lm/ft.
Max. Run <sup>1</sup>		65 feet	32 feet
Cut Points		9.84 in	6.88 in.
LED Chips		8/foot	12/foot
Color Temperature		2700K, 3000K, 4000K, 6500K	
CRI		80+	
Dimmable		Yes	
Field Cuttable		No	
Dimensions		0.47 x 0.13 in. (W x H) (Strip Only), 0.60 x 0.50 in. (W x H) (w/ Endcap) 0.88 x 0.65 x 0.51 in. (Connection)	
Environment*		Outdoor / Wet Location / Submersible IP68	
Certification		UL Listed 2108 & 676	
Warranty		5-Year Standard, 2-Year Deep Cold <sup>2</sup>	

## FEATURES

- UL Listed 2108 certification allows for installations indoor, outdoor, wet locations, and submerged in water
- UL Listed 676 allows for installation in pools, spas, and fountains
- Safe for chlorine treated installations.
- Resistant to direct sunlight and UV radiation
- Deep Cold Resistant

# HYDROLUME® SLIM IP68 LED Strip Light

SPECIFICATION SHEET

## SKU BUILDER

DI	-	24V	-		-		-		-	
		Voltage	Model		Color Temp	Length	Driver* (Optional)		MOUNTING* (Optional)	
		MODEL	COLOR TEMP		LENGTH	DRIVER*		MOUNTING*		
		HLS	27		Length (in.)	CONSTANT VOLTAGE (CV)		MOUNTING BRACKET (MBR)		
		HLSP	30			ELECTRONIC (ELEC)		CHANNEL (CHN)		
			40			MAGNETIC (MAG)				
			65			TRIAC (TRI)				
						0-10V (010)				
						SWITCHEX (SWX)				
						LUTRON (LUT)				

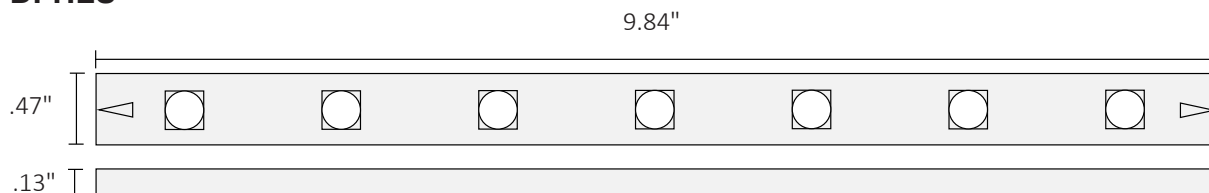
\*Driver and Mounting selections are for specifying purposes only. Driver and mounting options must be purchased separately.

Example: DI-24V-HLSP30-384-ELEC-CHN = Diode, 24 Volt, HYDROLUME® SLIM HD, 3,000° CCT, 384 in. (32 feet), with Electronic Driver, and Mounting Channel

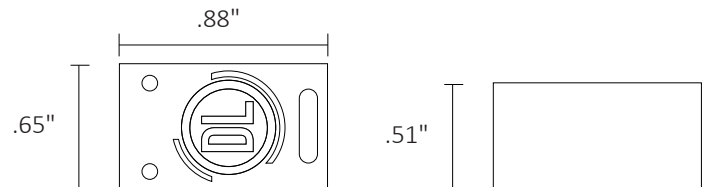
## MECHANICAL DIAGRAMS

**HYDROLUME® SLIM**  
Standard density Wet Location LED Strip  
Light. (Single Cut-Point shown)

### DI-HLS

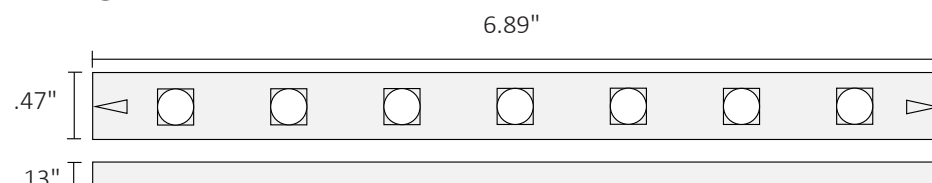


## CONNECTION



**HYDROLUME® SLIM - HD**  
High density Wet Location LED Strip  
Light. (Single Cut-Point shown)

### DI-HLSP

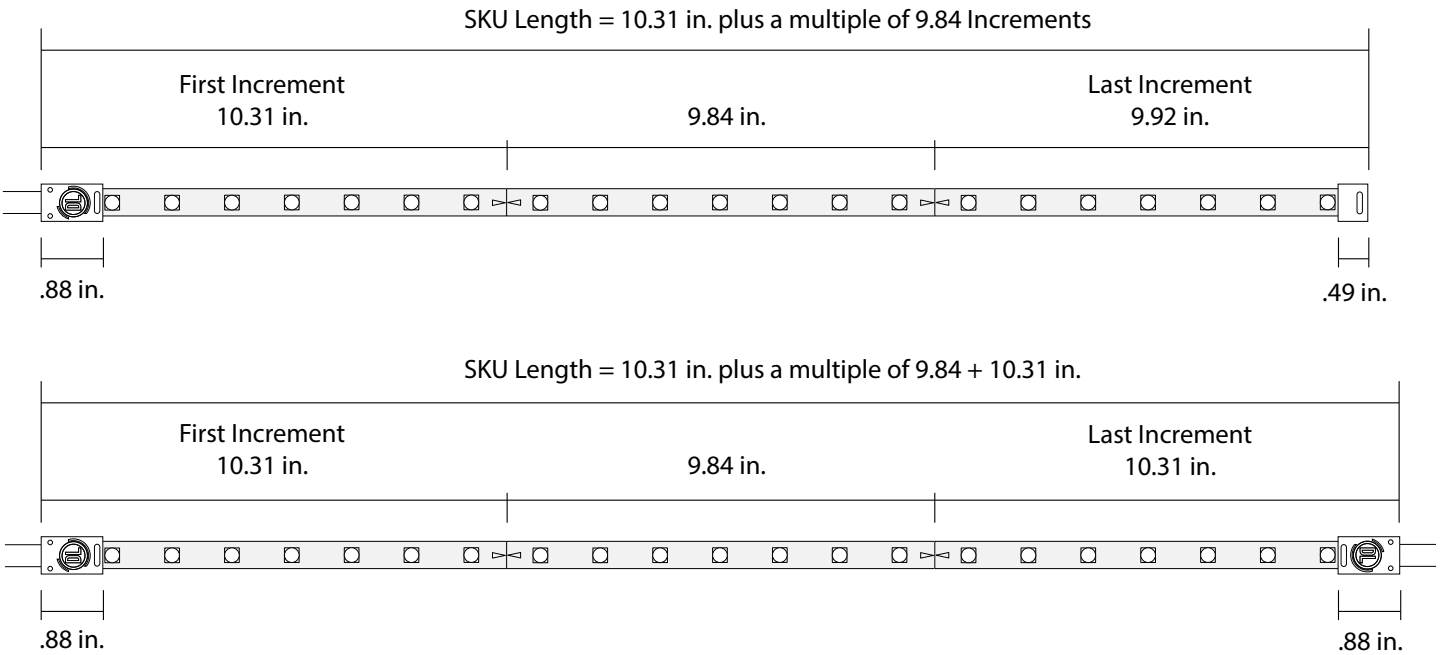


# HYDROLUME<sup>®</sup> SLIM IP68 LED Strip Light

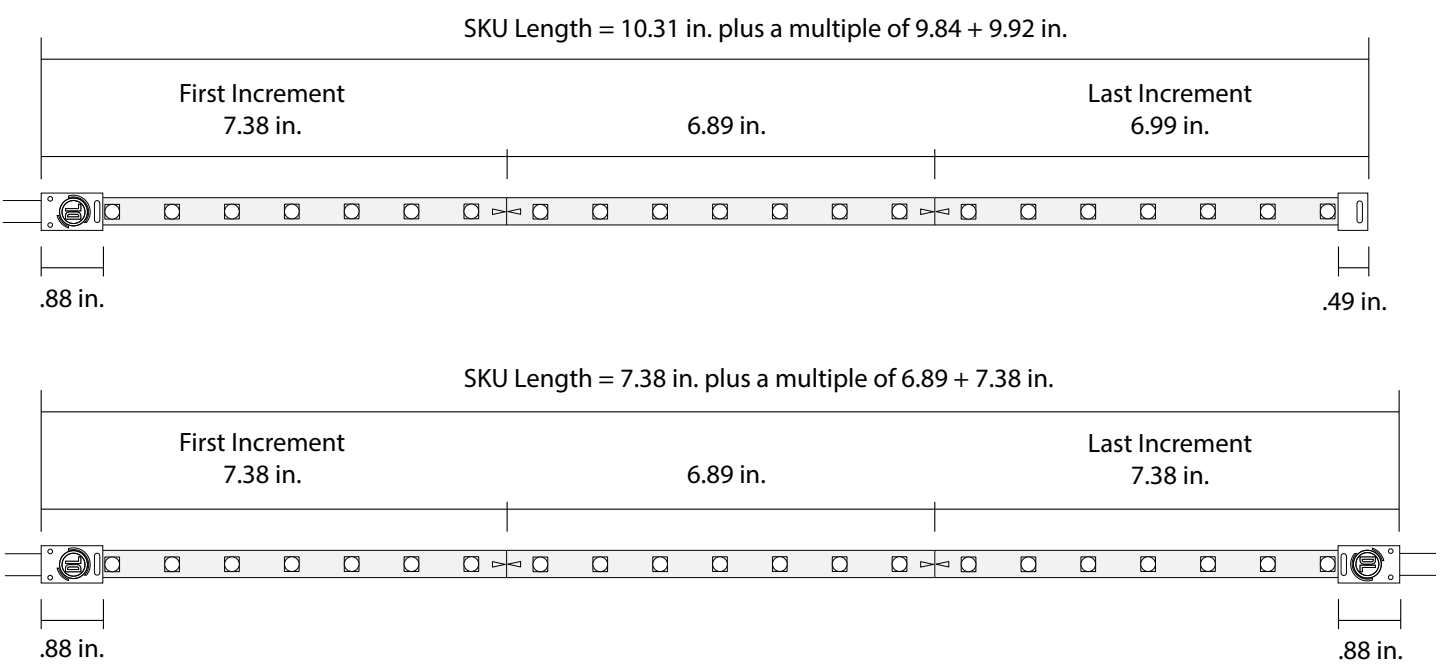
SPECIFICATION SHEET

## CUT POINTS

### HYDROLUME<sup>®</sup> SLIM



### HYDROLUME<sup>®</sup> SLIM - HD



# HYDROLUME® SLIM IP68 LED Strip Light

## SPECIFICATION SHEET

### LED DRIVERS (Required)

The following Listed LED Drivers are recommended for compatibility and to meet NEC code when installed according to specifications. For additional LED Driver options see Diode LED's product page at: <https://www.diodeled.com/products/led-power-supplies.html>

### STAND ALONE

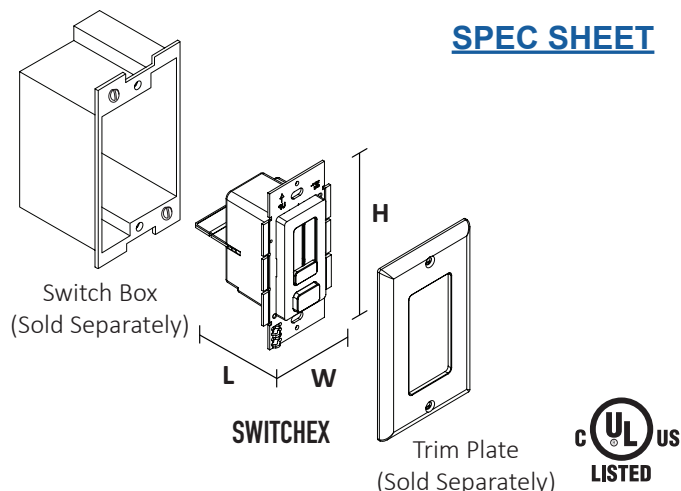
#### SWITCHEX® DRIVER + DIMMER SWITCH

SWITCHEX combines an LED driver and LED dimmer switch into a single integrated unit. Fits into standard switch boxes.

DI	—	24V	—	SE	—	60W
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SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-24V-SE-60W	1.40 in.	2.10 in.	4.10 in.
DI-24V-SE-100W	1.40 in.	2.10 in.	4.10 in.

Fits in Standard Switch Box



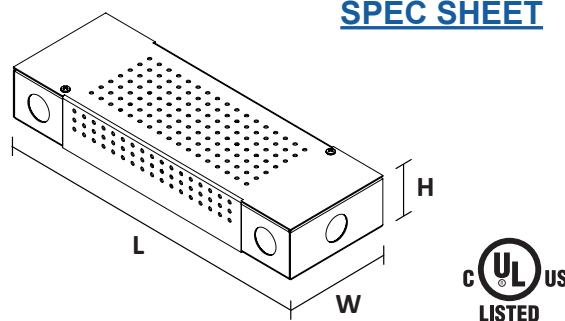
### ON/OFF, DMX, & PWM CONTROL

#### LO-PRO® JUNCTION BOX & DRIVER COMBO - 24V CONSTANT VOLTAGE LED DRIVER

Use Constant Voltage Drivers to power your lighting system. Compatible with Standard 120VAC On/Off Switches, REIGN® Low Voltage Dimmers, TOUCHDIAL™ Control System, DMX Decoders, and PWM Controls.

Junction Box					
DI	—	0970	—	LPS	

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-0970-LPS	11.25 in.	3.75 in.	1.90 in.
DI-CV-MW24V60W-277-LPS	11.25 in.	3.75 in.	1.90 in.
DI-CV-MW24V90W-277-LPS	11.25 in.	3.75 in.	1.90 in.
DI-0954-LPL	13.5 in.	4.5 in.	2.37 in.



# HYDROLUME® SLIM IP68 LED Strip Light

SPECIFICATION SHEET

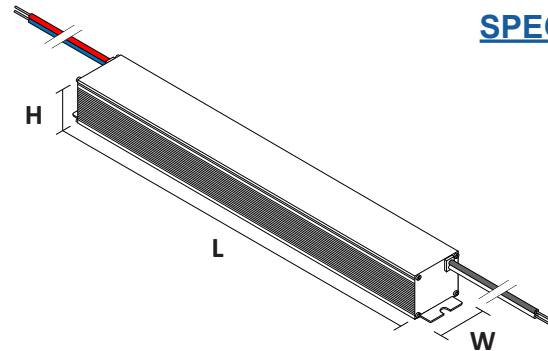
## LED DRIVERS Cont. (Required)

### ON/OFF, DMX, & PWM CONTROL (cont.)

#### VLM SERIES CONSTANT VOLTAGE DRIVER

Use Constant Voltage Drivers to power your low voltage tape light. Compatible with Standard 120VAC On/Off Switches, REIGN® 12-24V Low Voltage Dimmers, TOUCHDIAL™ Control System, DMX Decoders, and PWM Controls.

VLM		-	24
	Wattage		Voltage
	60W		
	100W		



[SPEC SHEET](#)



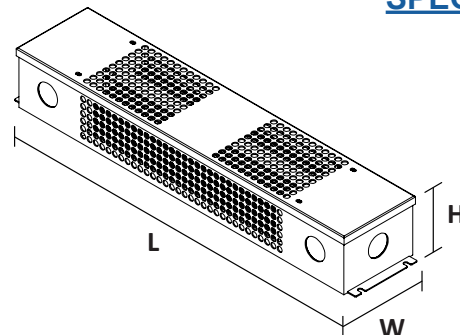
SKU	L - LENGTH	W - WIDTH	H - HEIGHT
VLM60W-24	5.1 in.	.75 in.	.77 in.
VLM100W-24	5.38 in.	1 in.	.77 in.

#### OMNIDRIVE® 2 ELECTRONIC DIMMABLE LED DRIVER

OMNIDRIVE 2 features a zero minimum load and 100-5% dimming range. Compatible with Forward Phase and Reverse Phase Dimmers. Please see Diode LED's Compatibility List at: <https://www.diodeled.com/custom/download/productFile/filename/DI-OD2-Compatibility%20List.pdf/>

DI	-	OD2	-	24V24W
				Voltage & Power Output

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-OD2-24V24W	13.75 in.	3.00 in.	1.60 in.
DI-OD2-24V60W	13.75 in.	3.00 in.	1.60 in.
DI-OD2-24V96W	15.00 in.	3.10 in.	2.40 in.
DI-OD2-24V120W	15.00 in.	3.10 in.	2.40 in.
DI-OD2-24V200W	16.10 in.	3.40 in.	2.40 in.



[SPEC SHEET](#)



# HYDROLUME® SLIM IP68 LED Strip Light

SPECIFICATION SHEET

## LED DRIVERS (Required)

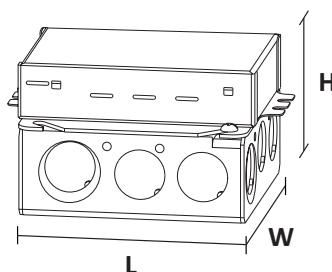
### LUTRON OPTIONS

#### **LUTRON®** Hi-lume 1% LED DIMMABLE DRIVER

Hi-lume 1% LED Driver has a minimum load of 5W and dims from 100-1%.

	Voltage & Power Output	3-Wire or 2-Wire Dimmers
DI-DM	24V40W	L3D

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-DM-24V40W-L3D	4.89 in.	4.00 in.	2.62 in.
DI-DM-24V40W-LTE			



[L3D SPEC SHEET](#)  
[LTE SPEC SHEET](#)

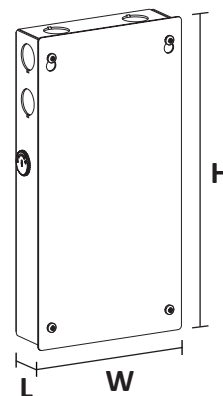


#### **LUTRON®** Hi-lume Premier 0.1% LED DIMMABLE DRIVER

Hi-Lume Premier 0.1% LED Driver has a minimum load of 5W and dims from 100-0.1%.

	Voltage & Power Output	
DI-DM	24V96W	L3D

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-DM-24V96W-L3D	5.50 in.	2.20 in.	10.50 in.



[SPEC SHEET](#)



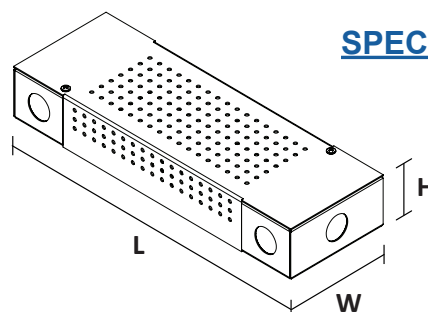
## 0-10V

#### **LO-PRO®** JUNCTION BOX & DRIVER COMBO - 24V COMMERCIAL GRADE 0-10V LED DIMMABLE DRIVER

Compatible with 0-10V controls and dimming systems.

			Junction Box
DI-DM	MW24V60W	0-10V	LPS

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-DM-MW-24V60W-0-10V-LPS	11.25 in.	3.75 in.	1.90 in.
DI-DM-MW-24V90W-0-10V-LPL	13.5 in.	4.5 in.	2.37 in.



[SPEC SHEET](#)

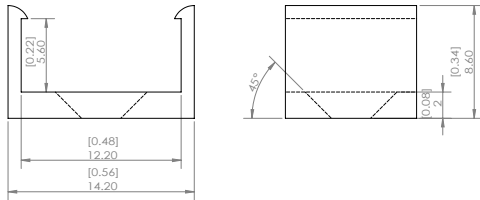


# HYDROLUME® SLIM IP68 LED Strip Light

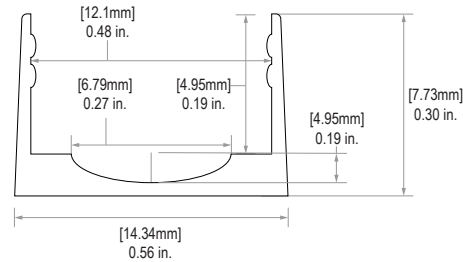
## SPECIFICATION SHEET

### ADDITIONAL ACCESSORIES

#### HYDROLUME® SLIM Mounting Bracket (MBR) Pack of 10. Material: TPU **DI-HLS-MTBR**



#### HYDROLUME® SLIM Mounting Channel (CHN) (Length: 39.4in.) Material: PVC **DI-HLS-MTCH**



### SPECIFICATIONS

- Input: 24VDC Constant Voltage
- LED Chip Type: Cree 2835
- LED Chip Binning: 3-Step Macadam Ellipse
- LED Chip L70: >50,000 Hours
- LED Chip Beam Angle: 120°
- Luminous Efficacy<sup>4</sup> (lm/w): 92~100
- Mounting (sold separately): Mounting Bracket or PVC Mounting Channel (mounting channel required for UL 676)
- Leads: 4" - 480", White, SJTW, 18/2 AWG
- Ambient Temp<sup>5</sup>: -4 - 122°F (-20 ~ 50°C)
- Ambient Temp (Deep Cold)<sup>2</sup>: -40°F Min, Luminaire is required to be energized when temperature falls below -4°F
- Operating Temperature<sup>6</sup>: 4 - 176°F (-20 ~ 80°C)
- Flammability<sup>7</sup>: Flame retardant
- Jacket Material: UV/IR protected TPU
- IP68 Mold Material: TPU (Thermoplastic Polyurethane)
- UV Resistance: Yes but may still degrade over time

### COMPATIBLE DRIVERS

Additional information on compatible Drivers can be found on the Diode LED web site at: [www.DiodeLED.com](http://www.DiodeLED.com).

### SPECIFYING?

*Note: The compatible products listed in this Specification Sheet are provided for reference only. For complete specifications of compatible products, click on the [SPEC SHEET](#) links provided.*

1. Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
2. Deep Cold applications are warranted for 2 years. Out of warranty condition is a greater than 25% loss of light output from initial installation.
3. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
4. Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
5. Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
6. Operating temperature is measured according to the minimum and maximum ambient temperature environment.
7. This product has been tested and passed glow-wire flammability tests (GWFI index) at 650°C/1200°F, providing an extra level of safety for common areas, hospitality, and areas of high risk fire.

# HYDROLUME® SLIM IP68 LED Strip Light

SPECIFICATION SHEET

## COMPLIANCE & REGULATORY APPROVALS

### Safety

- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaire. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/ CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.
- UL 676 Underwater luminaires / CAN/CSA C22.2 No. 89-1976 / UL 8750. This certification conforms to Article 680 and 682 of the National Electrical Code® for installation in swimming pools, fountains, spas, natural and artificially made bodies of water. HYDROLUME MUST be installed with Mounting Channel (DI-HLS-MTCH) when installed underwater.

### Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.

## ADDITIONAL INFORMATION

- HYDROLUME® SLIM LED STRIP LIGHT Installation Guide

## SAFETY / WARNINGS / DISCLOSURES

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Only install with a listed Class 2 DC Constant Voltage LED Driver.
4. All plastics are affected by the elements and may shift in color and other properties after product installation, particularly with direct exposure to sun, chlorinated water, and other chemicals.
5. Do not modify or disassemble product beyond instructions or this warranty will be void.
6. Actual color may vary from what is pictured above and on other print materials due to the limitations of photographic processes.
7. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

## WARRANTY

### Limited Warranty

This product has a five (5) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at [www.dioleled.com/limited-warranty/](http://www.dioleled.com/limited-warranty/) within the Policies section. For warranty related questions please contact product support.

**Deep Cold application:** This product has a two (2) year limited warranty from the date of shipment. Luminaire is required to be energized when temperatures fall below -4F. (If used outside of the minimum listed ambient temperature)

### Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from an Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchaser agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.



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