

HYDROLUME - A REVOLUTION IN LED LINEAR LIGHTING

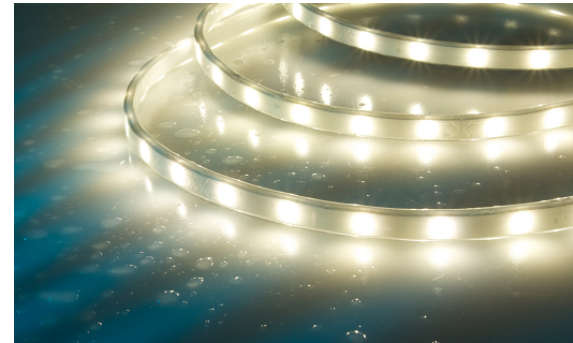
LEDalux introduces HYDROLUME, a 24V LED strip light that is waterproof, fully submersible, and UV resistant. It is constructed of UV-resistant and corrosion-resistant materials designed specifically to perform in extreme environments. Now you can add brilliant lighting to areas with direct UV exposure, chlorine-treated water, or where exposure to saltwater and sea air make advanced corrosion resistance essential for performance and longevity.

HYDROLUME is factory-sealed to order in our manufacturing plant. We offer custom-sealed, single-run lengths up to 81.5 feet, in 7.08 inch increments. With quick turnaround, HYDROLUME is the only solution for ultimate flexibility and durability indoors and out.

Product Specifics

Input Voltage: 24VDC Constant Voltage
Power Consumption: 1.13W/ft., 0.65W/cut point (STD), 2.04W/ft., 1.2W/cut point (PLUS)
LED Chip Type: CREE 3228 SMD Chip (STD), CREE 3535 SMD Chip (PLUS)
LED Chip Beam Angle: 120°
LED Chips / ft.: 10
Material: UV/IR protected TPU
Mounting (sold separately): Stake Bracket, Mounting Bracket, and Mounting Channel
Field Cuttable: No
Maximum Run ¹: 81.5 ft. (STD), 32.6 ft. (PLUS)
Connections ²: Custom length hard-wire lead ranging from 2 in. ~ 45 ft. (STD) and 1 ~ 45 ft. (PLUS)
 Leads: 18/2 AWG UL 2095.

Dimmable: Yes
Ambient Temp ³: -4 ~ 122°F (-20 ~ 50°C)
Operating Temp ⁴: -4 ~ 176°F (-20 ~ 80°C)
Environment: Outdoor/ wet location
Flammability ⁵: Flame retardant
Dimensions: 0.47 x 0.22 in. (W x H) (Strip Only), 0.62 x 0.39 in. (W x H) (w/ Endcap)
Certifications: cULus Listed 2388 Flexible Lighting Products (United States & Canada)# E470197.



Standard - 82 Lumens/FT



Plus - 165 Lumens/FT



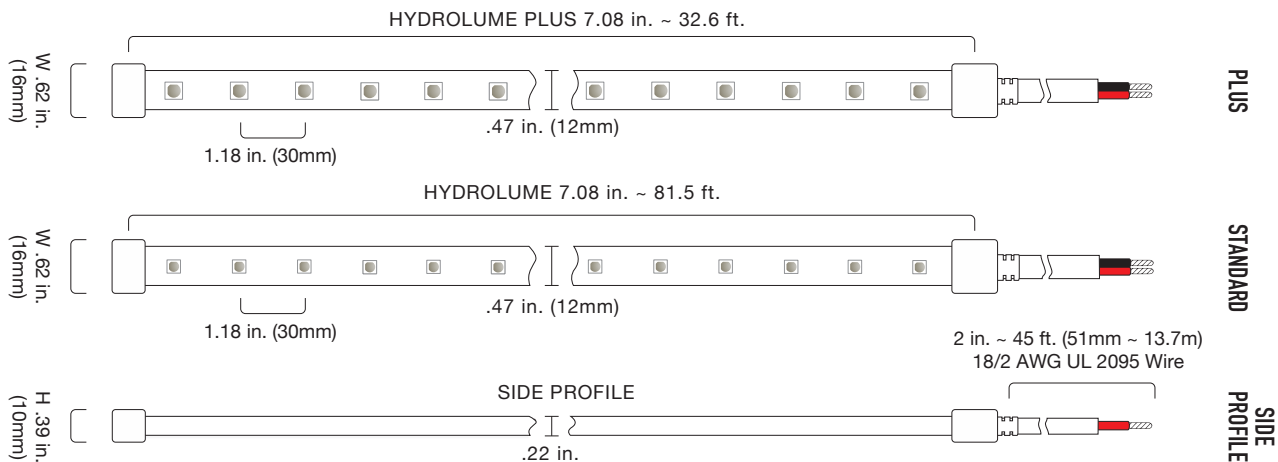
Benefits & Features

- Flexibility to accommodate curves effortlessly
- UV Resistant: No degradation or discoloration under direct sunlight
- Saltwater Safe: Enhanced longevity in coastal or marine environments
- Chlorine Resistant: Enhanced performance in treated water
- IP68 Rated: Waterproof, fully submersible and weatherproof
- Factory-sealed to order
- Custom-sealed, single-run lengths up to 81.5 feet, in 7.08 inch increments
- Ultimate flexibility and durability indoors and out
- Multiple mounting options, color temperatures, and light outputs
- UL Listed
- 5-Year limited warranty

Applications:

- Direct sunlight-exposed lighting
- Saltwater-marine environments
- Pools and water features
- Indoor/outdoor architectural accents
- Deck and garden
- Fountains and trellises
- Indoor cove lighting

Dimensions:



Ordering Information

Model	Color	Output	Length*	Power Feed Length**	Driver Type***
LX-DI-24V-HL	35 = 3500K 65 = 6500K	S = Standard (82 lm/ft) P = Plus (165 lm/ft)	Specify # of 7.08" Increments	Specify in increments of 1"	DM = Dimmable ND = Non-Dimmable

Ordering Example: LX-DI-24V-HL-35-S-15-24-DM

(HYDROLUME Standard/3500K/106.2"/24" Power Feed/Dimmable Driver)

HYDROLUME is sold in custom lengths up to 81.5 feet (7.08-in. increments). Use the item number format in the chart above to build custom order. Area marked with () should be filled with the total amount of 7.08 in. increments.

Example: 28.32 inches of HYDROLUME in 3500K = LX-DI-24V-HL-35-04
Note: Included end caps add 0.08 in. to the fixture length.

** The HYDROLUME power feeds are available in 1" increments up to 45ft. The maximum power feed length available is determined by the LED Tape length and volatge drop. Please refer to the HYDROLUME and HYDROLUME Plus voltage drop charts.

***We offer a variety of LED drivers (power supplies) to address all common light installations. LEDalux will size the appropriate driver to each run when providing a factory quotation. For additional information on the available LED drivers, please visit our website. For additional questions and concerns please contact technical support.

CUSTOM JUMPERS, CCT, OR CRI:

For a quote for series configurations of multiple tape strip sections connected with jumpers, or for custom CCT or CRI, please contact your LEDalux representative.

Color (CCT)



3500K 6500K

- Notes:**
1. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
 2. Wire leads and accessories are not rated for in-wall installation unless otherwise noted. Strip light and leads can be submersed in liquids. ENSURE to make electrical connections OUTSIDE of liquids or in a submersible-compliant electrical enclosure.
 3. 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.
 4. Operating temperature is measured according to the minimum and maximum ambient temperature environment.
 5. 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.
 6. Lumen value measured in accordance to IES LM-79-08. LED chips have a luminous flux range with a tolerance of +/- 5%. Each test was performed with a 14.16 in. segment of HYDROLUME (2x 7.08 sections). See 'Photometrics' for more information.
 7. Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value has been provided and calculated as follows: Lumen value (measured in accordance to IES LM-79-08) divided by average power consumption per foot.

Mounting Accessories Ordering Information

Model	Description
DI-HL-MTBR (10pk)	Mounting Bracket
DI-HL-STBR (4pk)	Stake Bracket
DI-HL-MTCH (2pk)	Mounting Channel

NOTE: Mounting Accessories Sold Separately



Mounting Bracket

This clip secures HYDROLUME strip to a surface. Recommended to use a single M2.9 (#4) screw for mounting (screws not included).
0.4 x 0.56x 0.35 in. (L x W x H)



Stake Bracket

Use for gardens or any outdoor setting, which gives the strip height advantage to be clear of low foliage, dirt and surface obstructions.
1.85 x 0.63 x 7.2 in. (D x W x H)



Mounting Channel

Mounting channels are sold in 39.4 in lengths. These channels can be easily trimmed to custom length. It's recommended to use M2.9 (#4) screws (not included).
39.4 x 0.62 x 0.4 in. (L x W x H)

