HYDROLUME® SLIM 24V LED Strip Light

SPECIFICATION SHEET

DRIY/WET LOCATION
DIMMABLE
24VDC
UV RESISTANT
IP65

<table>
<thead>
<tr>
<th>Item #</th>
<th>Project</th>
</tr>
</thead>
</table>

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Specifications are subject to change without notice.
Toll Free: 877.817.6028 | Fax: 415.592.1596 | www.DiodeLED.com | info@DiodeLED.com

**FEATURES**

- UL Listed 2388 certification allows for installations indoor, outdoor, and in wet locations (not submerged in water)
- Safe for chlorine treated installations.
- Resistant to direct sunlight and UV radiation

<table>
<thead>
<tr>
<th>HLS – STANDARD</th>
<th>HLSP – HD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage/Wattage</strong></td>
<td>24v / 1.22W/ft.</td>
</tr>
<tr>
<td><strong>Lumens</strong></td>
<td>2700K 113 Lm/ft.</td>
</tr>
<tr>
<td></td>
<td>3000K 113 Lm/ft.</td>
</tr>
<tr>
<td></td>
<td>4000K 122 Lm/ft.</td>
</tr>
<tr>
<td></td>
<td>6500K 122 Lm/ft.</td>
</tr>
<tr>
<td>Max. Run</td>
<td>65 feet</td>
</tr>
<tr>
<td>Cut Points</td>
<td>9.84 in</td>
</tr>
<tr>
<td>LED Chips</td>
<td>8/foot</td>
</tr>
<tr>
<td>Color Temperature</td>
<td>2700, 3000, 4000, 6500</td>
</tr>
<tr>
<td>CRI</td>
<td>80+</td>
</tr>
<tr>
<td>Dimmable</td>
<td>Yes</td>
</tr>
<tr>
<td>Field Cuttable</td>
<td>Yes</td>
</tr>
<tr>
<td>Dimensions</td>
<td>0.47 x 0.13 in. (W x H) (Strip Only), 0.60 x 0.50 in. (W x H) (w/ Endcap)</td>
</tr>
<tr>
<td>Environment*</td>
<td>Outdoor / Wet Location / IP65</td>
</tr>
<tr>
<td>Certification</td>
<td>UL Listed 2388</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year Warranty</td>
</tr>
</tbody>
</table>

*WARNING: NOT FOR USE IN SUBMERSIBLE APPLICATIONS*
SKU BUILDER

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

9.84"

DI-HLSP

6.89"

HYDROLUME® SLIM - HD
High density Wet Location LED Strip Light. (Single Cut-Point shown)
**HYDROLUME® SLIM 24V 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](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.

<table>
<thead>
<tr>
<th>SKU</th>
<th>L - LENGTH</th>
<th>W - WIDTH</th>
<th>H - HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI-24V-SE-60W</td>
<td>1.40 in.</td>
<td>2.10 in.</td>
<td>4.10 in.</td>
</tr>
<tr>
<td>DI-24V-SE-100W</td>
<td>1.40 in.</td>
<td>2.10 in.</td>
<td>4.10 in.</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>SKU</th>
<th>L - LENGTH</th>
<th>W - WIDTH</th>
<th>H - HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI-0970-LPS</td>
<td>11.25 in.</td>
<td>3.75 in.</td>
<td>1.90 in.</td>
</tr>
<tr>
<td>DI-CV-MW24V60W-277-LPS</td>
<td>11.25 in.</td>
<td>3.75 in.</td>
<td>1.90 in.</td>
</tr>
<tr>
<td>DI-CV-MW24V90W-277-LPS</td>
<td>11.25 in.</td>
<td>3.75 in.</td>
<td>1.90 in.</td>
</tr>
<tr>
<td>DI-0954-LPL</td>
<td>13.5 in.</td>
<td>4.5 in.</td>
<td>2.37 in.</td>
</tr>
</tbody>
</table>
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.

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/
**HYDROLUME® SLIM 24V LED Strip Light**

### LED DRIVERS (Required)

#### LUTRON OPTIONS

- **Hi-lume 1% LED DIMMABLE DRIVER**
  - Hi-lume 1% LED Driver has a minimum load of 5W and dims from 100-1%.
  - **SKU**: DI-DM-24V40W-L3D
    - **L**: 4.89 in.
    - **W**: 4.00 in.
    - **H**: 2.62 in.
  - **SKU**: DI-DM-24V40W-LTE
    - **L**: 4.89 in.
    - **W**: 4.00 in.
    - **H**: 2.62 in.

- **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%.
  - **SKU**: DI-DM-24V96W-L3D
    - **L**: 5.50 in.
    - **W**: 2.20 in.
    - **H**: 10.50 in.

#### 0-10V

- **LO-PRO® JUNCTION BOX & DRIVER COMBO - 24V COMMERCIAL GRADE 0-10V LED DIMMABLE DRIVER**
  - Compatible with 0-10V controls and dimming systems.
  - **SKU**: DI-DM-MW24V60W-0-10V-LPS
    - **L**: 11.25 in.
    - **W**: 3.75 in.
    - **H**: 1.90 in.
  - **SKU**: DI-DM-MW24V90W-0-10V-LPL
    - **L**: 13.5 in.
    - **W**: 4.5 in.
    - **H**: 2.37 in.
HYDROLUME® SLIM 24V LED Strip Light

**ADDITONAL ACCESSORIES CONT.**

**HYDROLUME® SLIM END CAP**
Terminal end piece.
DI-HLS-EC

**HYDROLUME® SLIM I-CONNECTOR**
Connects two pieces of HYDROLUME® SLIM together.
DI-HLS-IC

**HYDROLUME® SLIM L-CONNECTOR**
Connects two pieces of HYDROLUME® SLIM together.
DI-HLS-LC

**HYDROLUME® SLIM PS LINK CONNECTOR**
Connects HYDROLUME® SLIM to a power supply. Refer to Installation Guide for further information.
DI-HLS-PWRC

**HYDROLUME® SLIM CABLE JUMPER**
Creates a jumper between two pieces of HYDROLUME® SLIM Strip Light.

<table>
<thead>
<tr>
<th>SKU</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI-HLS-JP6</td>
<td>6 in.</td>
</tr>
<tr>
<td>DI-HLS-JP12</td>
<td>12 in.</td>
</tr>
</tbody>
</table>

Wire Length: 4, 6, 12, or 24 in.

**HYDROLUME® SLIM T-CONNECTOR**
Connects three pieces of HYDROLUME® SLIM together.
DI-HLS-TC

**HYDROLUME® SLIM X-CONNECTOR**
Connects four pieces of HYDROLUME® SLIM together.
DI-HLS-XC
HYDROLUME® SLIM 24V LED Strip Light

ADDITIONAL ACCESSORIES (cont.)

HYDROLUME® SLIM Mounting Bracket (MBR)
DI-HLS-MTBR

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

SPECIFICATIONS

• Input: 24VDC Constant Voltage
• LED Chip Type: 2835
• LED Chip Beam Angle: 120°
• Material: UV/IR protected TPU
• Luminous Efficacy (lm/w): 92~100
• Mounting (sold separately): Mounting Bracket, and Mounting Channel
• Connections: Various lengths from 4" - 24" Leads: 22/2 AWG
• Ambient Temp: -4 ~ 122°F (-20 ~ 50°C)
• Operating Temp: -4 ~ 176°F (-20 ~ 80°C)
• Flammability: Flame retardant

1. Requests for custom lengths of Strip Light will be cut to the nearest (lower) cut point. (Example: DI-24V-HLSP30-384-ELEC-CHN would be cut to 378 inches (ie. 31' 6")
2. Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
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.

COMPATIBLE DRIVERS

Additional information on compatible Drivers can be found on the Diode LED web site at: 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.
HYDROLUME® SLIM 24V LED Strip Light

SPECIFICATION SHEET

COMPLIANCE & REGULATORY APPROVALS

Safety
• UL Listed 2388 Flexible Lighting Systems. Certified for United States and Canada. File # E470197.

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.

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.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

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.

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. Not for use in or on walls of pools, fountains, or other partially or fully submersed locations.
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.