

# FLUID VIEW™ 12V WET LOCATION LED STRIP LIGHT

# SPECIFICATION SHEET

- IP68 rating (Wet Location)
- 115 lumens per foot
- Dimmable
- Max Run Length - 16.4 foot single run
- Field cuttable ETL Listing
- 5-Year Limited Warranty

<b>Specified Item #</b>	
<b>Project</b>	
<b>Location</b>	



Conforms to ANSI/UL Standard 2108  
Certified to CAN/CSA Standard C22.2 No. 250.0



Included items: Wet location mounting clips/screws, wet location strip end caps, wet location splice pair, and splice pair plugs.

## SPECIFICATIONS

<b>Input Voltage</b>	12VDC constant voltage
<b>LED Chip Type</b>	Epistar 3528 SMD chip
<b>LED Chip Beam Angle</b>	120°
<b>LED Chip Spacing</b>	0.65 in. between centers
<b>Mounting</b>	Includes mounting clips / mounting screws.
<b>Field Cuttable</b>	Every 2 in.
<b>Connections <sup>1</sup></b>	4 in. female wet location plug one end. 4 in. male wet location plug opposing end. Wire gauge: 22/2 AWG

<b>Dimmability</b>	Yes
<b>Ambient Temperature <sup>2</sup></b>	-4° ~ 122°F (-20° ~ 50°C)
<b>Operating Temperature <sup>3</sup></b>	-4° ~ 176°F (-20° ~ 80°C)
<b>Environment / IP Rating <sup>4</sup></b>	Outdoor / wet location / IP68
<b>Dimensions</b>	0.4 x 0.2 in. (W x H)
<b>Warranty</b>	5 years
<b>Certifications</b>	ETL Listed: 4001928. Conforms to ANSI/UL Std 2108. Certified to CAN/CSA Std C22.2 No. 250.0. RoHS compliant.








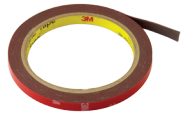
Item #	Length	Max Run <sup>5</sup>	Power Consumption / ft.	Color Temp <sup>6</sup> (Kelvin)	Lumens / ft. <sup>7</sup>	Efficacy / ft. (lm/W)	CRI	Chips / ft.
DI-12V-0051	9.5 ft.	16.4 ft.	1.44W / 120mA	3000k	115	79.86	70	18

- Note <sup>1</sup>** Ensure wire leads at opposing ends of the tape light are not crossed when power is applied to the fixture. It is acceptable to modify the length of the leads or cut off the attached leads and DC connections in the field.
- Note <sup>2</sup>** Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing.
- Note <sup>3</sup>** Operating temperature is measured according to the minimum and maximum ambient temperature environment. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.
- Note <sup>4</sup>** Loose wet location plugs must be properly sealed with a wet location sealant or wet location splice plug. Do not install near or around chlorinated/ treated water. This product is not rated as submersible. Do not install in direct sunlight.
- Note <sup>5</sup>** Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
- Note <sup>6</sup>** Epistar 3528 SMD Chip binning ranges: (3000k 70 CRI: 2750-3200k).
- Note <sup>7</sup>** LED chips have a luminous flux range with a tolerance of +/- 5%. In other words, lumen output may vary +/- 5%.

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**WET LOCATION ACCESSORIES**

The following wet location accessories may be used in installations exposed to moisture. However, never submerge these accessories under water.

Product #*	Item Name	Description	
DI-0710-M-** (Male) DI-0710-F-** (Female)	Wet Location Plug to DC Connector	Attaches a wet location plug to a male DC accessory or plug-in adapter (not rated for wet location environments). Gender specification applies to the wet location connection only. Dimensions: 7 x 0.3 in. (L x W)	
DI-0725-**	Wet Location Splice Connector Pair	Converts a wet location plug to a hard-wired connection. (1x male & 1x female wet location plug) Dimensions: 4.5 x 0.3 in. (L x W)	
DI-0757-** (6 in.) DI-0758-** (12 in.) DI-0759-** (24 in.) DI-0709-** (39 in.) DI-0810-** (16 ft.)	Wet Location Extension Cable	Creates an extension between wet location plugs. Connector width: 0.3 in.	
DI-0754 DI-0754-25 DI-0754-50	Wet Location Strip Light Mounting Clips	Mounts all wet location strip light. DI-0754 (10x clips, 20x phillips head screws) DI-0754-25 (25x clips, 50x phillips head screws) DI-0754-50 (50x clips, 100x phillips head screws)	
DI-0755-**	FLUID VIEW & BLAZE Wet Location Strip Light End Caps	End caps for sealing cut sections of FLUID VIEW & BLAZE wet location strip light (10x end caps). Dimensions: 0.40 x 0.47 x 0.24 in. (L x W x H)	
DI-0762-**	FLUID VIEW & BLAZE Wet Location Strip Light Sealant Kit	Kit for sealing cut sections of FLUID VIEW & BLAZE wet location strip light (10x end caps and 1x 1.5 oz. tube of silicone sealant).	
DI-0756	Wet Location Sealant	1.5 oz. tube of silicone sealant.	
DI-1740 (9.5 ft.) DI-0775-S (100 ft.)	3M™ Adhesive Tape	3M™ 4229 adhesive tape for indoor and outdoor installation of wet location LED fixtures.	

\* All wet location accessories have a Class 2 amp rating: 60W/5A @ 12VDC; 96W/4A @ 24VDC.

\*\* Products available in 25x and 50x pack bulk quantities. Add -25 or -50 to each product # for bulk quantities.

**SWITCHES, CONTROLS, LED DRIVERS, & SYSTEM DIAGRAMS**

We offer a variety of switches, controls, and LED drivers (power supplies) to address all common light installations. For additional information, please see the additional component sections of our website or catalog. See the 'Solid Color Tape Light Installation Guide' for system diagrams and installation instructions. For additional questions and concerns please contact technical support.

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**SAFETY / WARNINGS / DISCLOSURES**

- Install in accordance with the National Electric Code and local regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- This product requires a compatible LED driver for proper configuration. Do not connect directly to high voltage 120~277V AC power.
- The ETL Listing of this product requires the fixture to be powered with a compatible Class 2 DC constant voltage LED driver (power supply).
- It is generally recommended to load the driver no more than 80% the labeled rating for maximum performance and longevity. However, see each driver specification sheet for exact minimum and maximum loading values.
- Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.
- Do not power tape light on the plastic spool or when tightly coiled. Excess heat may melt the spool and/or cause damage to the product.
- Ensure adequate airflow and heatsinking is considered when mounting/installing. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
- Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- ‘Voltage drop’ is a gradual decrease in voltage along a conductor through which current is flowing. When specifying an LED system, ensure to calculate voltage drop appropriately. Voltage drop calculators will suggest the proper gauge wire and distance to install the driver from the fixture. To meet maximum performance, the beginning of the tape light should be receiving no less than 3% of input power rating.
- Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
- Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted.
- All fixture accessories including CLICKTIGHT connectors, DC connections, etc. have a Class 2 amperage rating unless otherwise noted (60W/5A @ 12V DC; 96W/4A @ 24V DC).
- Ensure wire leads at opposing ends of the tape light are not crossed when the fixture is turned on. It is acceptable to modify the length or cut off the attached wire leads and DC connections in the field.
- Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
- Lighting technology has some amount of gradual light degradation (output and/or color) over the lifespan of the products. Diode LED products are designed to minimize degradation, but some light degradation and color shift is a normal part of the life span of any LED lighting system.
- 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 LED fixture 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](http://www.DIODELED.com) under the ‘Tools & Resources’ tab. For warranty related questions, please contact customer service.

**Consumer’s Acknowledgment**

Diode LED 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 right components is essential. Diode 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 Diode 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 a Diode LED employee or agent regarding a customer’s bill of goods and/or purchase order is NOT an acknowledgement 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. Diode LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Diode 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 Diode LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.