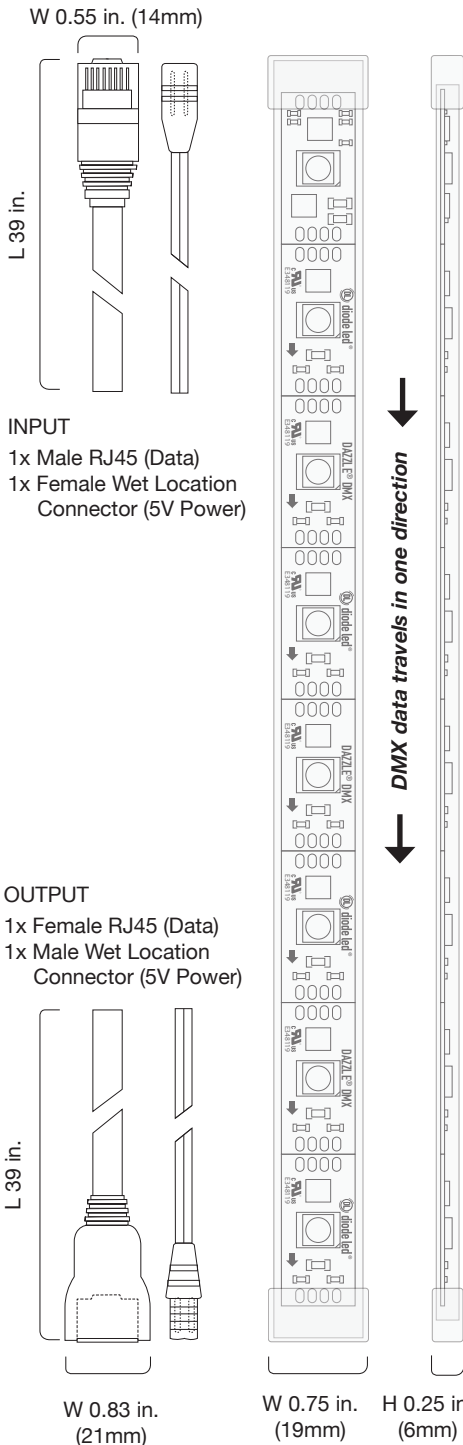


DAZZLE™ DMX PIXEL RGB LED STRIP LIGHT

SPECIFICATION SHEET

- DMX addressable / chasing
- Outdoor / wet location
- UL Recognized Component
- 3-year limited warranty



SPECIFICATIONS

Input Voltage: 5VDC Constant Voltage
Power Consumption / ft.: 2.81W / 562mA
LED Chip Type: 5050 RGB Tri-Chip SMD
LED Chip Beam Angle: 120°
LED Chip Spacing: 1.25 in. between centers
LED Chips / ft.: 10
Mounting: Mount with included clips or silicone adhesive (sold separately)
Field Cutable: Not recommended
Maximum Run (Power) ¹: 8.2 ft.
Maximum Run (Data) ¹: 16.4 ft.
Connections ² : INPUT - Power: 39.4 in. (1M) 20/2 AWG female wet location plug. Data: 39.4 in. (1M) CAT5 cable with male RJ45 connection




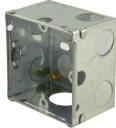
CONT'D Connections ² : OUTPUT - Power: 39.4 in. (1M) 20/2 AWG male wet location plug. Data: 39.4 in. (1M) CAT5 cable with female RJ45 connection
Dimmable: Yes with compatible DMX controller
Ambient Temp ³: -4 ~ 122°F (-20 ~ 50°C)
Operating Temp ⁴: -4 ~ 176°F (-20 ~ 80°C)
Environment ⁵: Outdoor / Wet location
Dimensions: 0.75 x 0.25 in. (W x H)
Certifications: UL Recognized Component, E348119

Item #	CCT (Kelvin)	Lumens / ft. ⁶	CRI	Efficacy (lm/W) ⁷
DI-5V-DDMX-0008	Red (625nm) Green (525nm) Blue (465nm)	394	-	13.33

- Note ¹** Each maximum run requires a dedicated feed from the driver (power) or DMX controller (data). Do not extend beyond the recommended maximum run lengths. See the installation guide for system diagrams.
Note ² DMX data only travels in one direction.
Note 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.
Note ⁴ Operating temperature is measured according to the minimum and maximum ambient temperature environment.
Note ⁵ Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
Note ⁶ LED chips have a luminous flux range with a tolerance of +/- 5%.

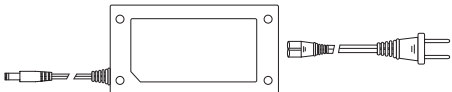
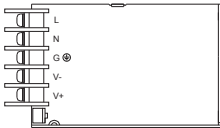
Item #:	Project:
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DMX CONTROLLERS

Item #	Type	Description	Image
DI-1726	Nicolaudie STICK 1 DMX Color Controller	Our most sophisticated unit offers professional-grade DMX512 control in a user-friendly control pad.	
DI-1720	Nicolaudie STICK 2 DMX Color Controller	Sophisticated and modern touch-sensitive keypad selects mode, speed, and dimming.	
DI-1727	Nicolaudie Easy Stand Alone DMX LED Color Controller	Program lighting scenes from a computer to the independent free-standing controller.	
DI-1808-K	SQUARE-PRO Junction Box	Included with the following controllers: DMX WiFi Wall Mount Zone LED Controller, Nicolaudie STICK 1 Controller, and Nicolaudie STICK 2 Controller. Also sold separately. Features 3x 0.5 in. and 5x 0.75 in. knockouts. Dimensions: 2.83 x 1.89 x 2.83 (L x D x H)	












5V DMX POWER SUPPLIES

DAZZLE DMX PIXEL RGB LED STRIP LIGHT is only compatible with the following 5VDC power supplies.

Item #	Type	Description	Image
DI-PA-5V25W-B	5V 25W Plug-in Adapter (Black)	5V 25W plug-in LED driver. Purchase a Wet Location Plug to DC Plug Connector (See Accessories) to connect DAZZLE DMX tape light directly to plug-in-adapter. 4.7 x 2 x 1.25 in. (L x W x H)	
DI-CV-5V25W	5V 25W Constant Voltage Driver	Hard-wired 5V 25W LED driver. Install in a standard 4 x 4 in. electrical enclosure if required for installation (not included). 3.07 x 2.01 x 1.10 in. (L x W x H)	

Note: All accessories sold separately

DMX ACCESSORIES

Item #	Type	Description	Image
DI-1918	DMX 4-Channel Decoder	Pair with a DMX controller to control solid color, RGB, and RGBW LED fixtures. Features a digital display for easy addressing.	
DI-0820 (female) DI-0821 (male)	Wireless DMX Transmitter/ Receiver	Wirelessly connects DMX devices: Fixture to fixture, fixture to controller, and decoder to decoder. Features XLR-3 connections.	
DI-1804	DMX 8-Way Splitter	Amplifies and splits a DMX signal up to 8 ways. Features 1x male XLR-3 input connection, and 8x female XLR-3 output connections.	
DI-1803	DMX XLR-3 Connector Pair	Utilize this XLR-3 connector pair to create custom length DMX extensions. Sold by the pair (male/female). Male: 2.8 x 0.71 in. (L x Dia.) Female: 2.4 x 0.71 in. (L x Dia.)	
DI-1806	XLR-3 to RJ45 Adapter Connector Pair	Converts RJ45 data cables to XLR-3 DMX connections. Sold by the pair (male/female) Male & Female: 2.58 x 0.87 x 0.98 in. (L x W x H)	
DI-1809	20 ft. DMX XLR-3 Extension Cable	Creates an extension between DMX fixtures and accessories. Features XLR-3 connections. Wire: 18/3 AWG. Male connection: 2.8 x 0.71 in. (L x Dia.) Female: 2.4 x 0.71 in. (L x Dia.)	
DI-1807	RJ45 Coupler	Female-to-female accessory quickly connects two RJ45 accessories. 1.22 x 0.44 x 0.87 in. (L x W x H)	
DI-1805 (male, 6.5in) DI-DMX-RJ4539-SPLE-F DI-DMX-RJ4539-SPLE-M	RJ45 Splice Cable	Creates a RJ45 connection to bare wire leads for DMX applications. 6.5 x 0.4 x 0.6 in. (L x W x H) 39.4 x 0.4 x 0.6 in. (L x W x H)	
DI-1811	XLR-3 to RJ45 Adapter Cable Pair	Converts RJ45 port of 4-Channel DMX Decoder to a standard XLR-3 connection. Sold by the pair (male/female). 20 x 0.71 in. (L x Dia)	
DI-1911 (10ft)	RJ45 Extension Cable	Creates a 10 ft. extension between DMX fixtures and accessories utilizing RJ45 connections. 0.4 x 0.6 in. (W x H)	
DI-0710-M (Male) DI-0710-F (Female)	Wet Location Plug to DC Plug Connector	Utilize to connect plug-in adapter directly to DAZZLE DMX Strip Light. Gender specification applies to the wet location connection only. Wire: 22/2 AWG. 7 x 0.3 in. (L x W).	

Note: accessories sold separately

SYSTEM DIAGRAMS

See the 'DAZZLE DMX PIXEL RGB LED STRIP LIGHT Installation Guide' for system diagrams and installation instructions. For additional questions and concerns please contact technical support.

ADDITIONAL RESOURCES

Visit the online product page at www.DiodeLED.com for additional resources including:

- **DAZZLE™ DMX PIXEL RGB LED TAPE LIGHT Installation Guide**
For system diagrams and full installation instructions.
- **Voltage Drop Charts**
Use to specify appropriate wire gauge for installation. Available at the 'Tools & Resources' page at www.DiodeLED.com.

SAFETY & 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 UL certification 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. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment.
- 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.
- 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 INFORMATION

Limited Warranty

This LED product has a three (3) 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 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 in-field 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.



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