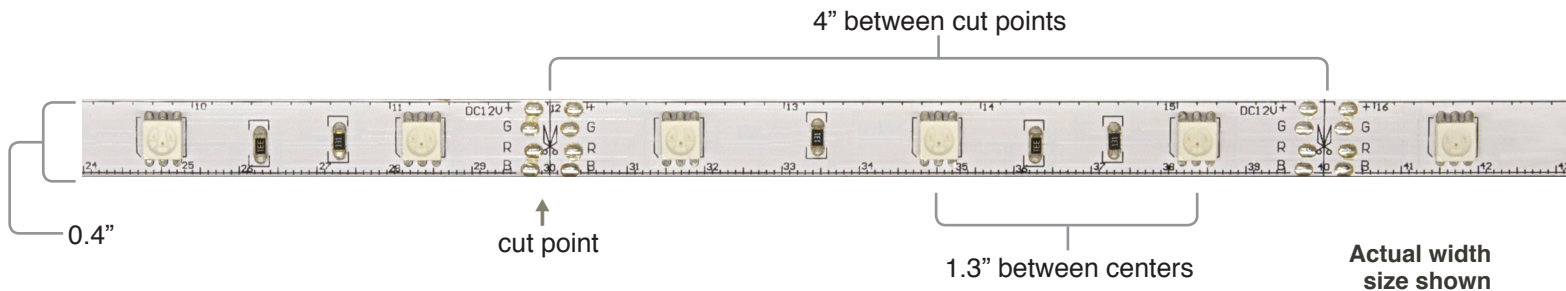


SPECTRUM RGB STRIP LIGHT

Diode LED's SPECTRUM RGB Strip Lights are designed to establish ambiance and add color to interiors with eco-friendly, full-color LED lighting. SPECTRUM RGB Light Strips can be used creatively in a home or a business and are well suited for lighting spaces that require a low-profile, low-heat light source that has full color capabilities.

RGB LED Strip Lighting has a wide 120° beam angle that ensures it lights evenly and does not cast shadows on surfaces. Our multi-color Flexible LED Light strips can also be controlled with one of our low-voltage RGB LED Controllers. These controllers are detailed in the Diode LED Catalog or on the website at www.DiodeLED.com.



FEATURES

Input Voltage: 12V DC
Power Consumption per foot: 2.2W / 180mA
Rated Fixture Lumens per foot: 70 Maximum
Luminous Efficacy: 32 lm/W Maximum
LED Chip Type: 5050 Tri-chip SMD
Chips per foot: 9
Field Cuttable: every 4 inches
LED Spacing: 1.3 in. (between centers)
Width: 0.4 in.
Height: 0.1 in.
Spool Length: 16.4 ft. / 100 ft.
Max. Run: 16.4 ft.
** Each maximum run requires a dedicated line from the power supply to avoid voltage drop.*

Certifications: UL Listed, RoHS
Control: Only for use with a 12V DC RGB Color Controller.
Environment: Indoor
Warranty: 5 years (*limited*)
Operating Temp.: +68° ~ +90° F (+20° ~ +32° C)
Ambient Operating Temp.: -4° ~ +176° F (-20° ~ +80° C)
Mounting: 3M Adhesive Sticky Backing
Rated Lamp Life: 50,000 hours
Connectors: Each spool comes with 8 inches of 20/4 AWG splice wire at both ends of the spool.



TECHNICAL SPECIFICATIONS

item #	length	color	lumens / ft.	beam angle	power consumption / ft.	LEDs / ft.
DI-0070	16.4'	RGB	70 max.	120°	2.2W / 180mA	9

APPLICATIONS

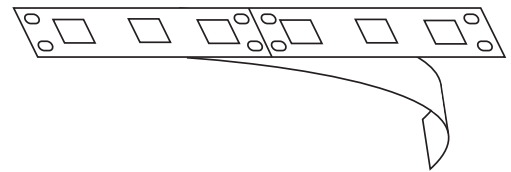
- Bars and restaurants
- Artistic installations
- Displays and cases
- Tight spaces
- Shelves and cabinets
- Soffits, coves, and valences

IN USE PHOTOS



MOUNTING

Install the SPECTRUM RGB Strip Light on a clean, dry surface by peeling the protective layer from the 3M™ adhesive backing and attaching the strip from one end, keeping it taut to prevent bumps and to ensure a straight installation.



Aluminum Channels (Sold Separately)

Strip Light Channels protect and provide light diffusion for RGB Strip Light.

NOOK (45°) (item #DI-1052),
39.4" x 0.7" x 0.7"

ORB (round) (item #DI-1051),
39.4" x 0.7" x 0.6"

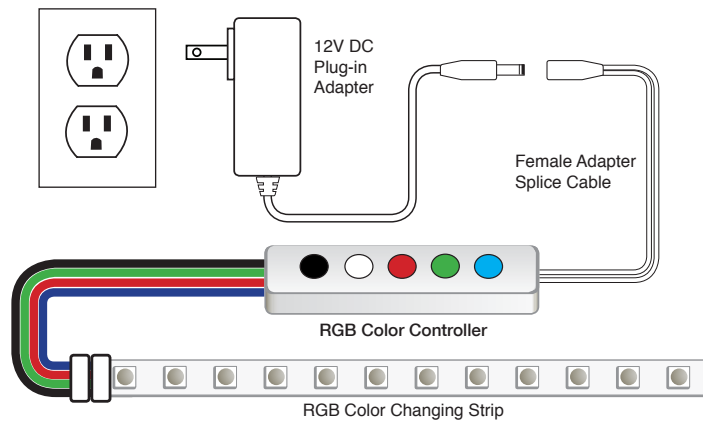
QUAD (square) (item #DI-1050),
39.4" x 0.6" x 0.5"

SLIM (low profile) (item #DI-1053),
39.4" x 0.6" x 0.24"

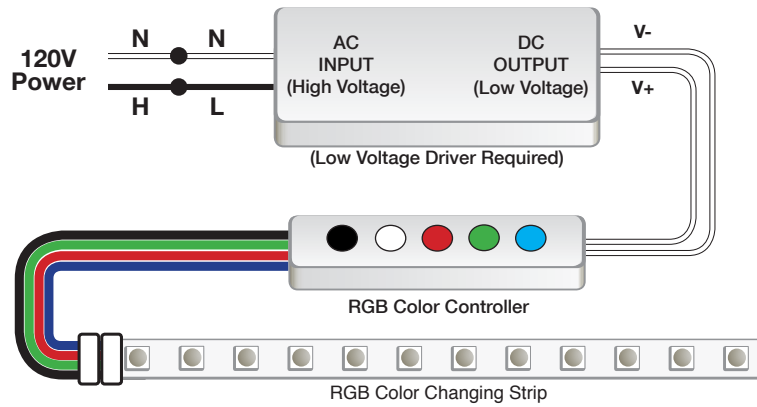
Strip Light Channel Cover 39.4" x 0.4"
Frosted (item #DI-1060), Clear (item #DI-1061)



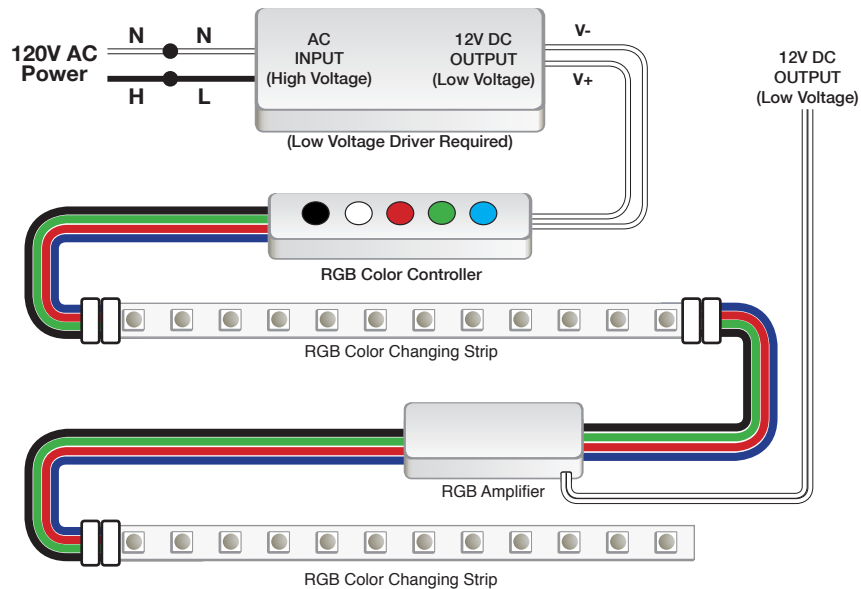
PLUG-IN ADAPTER WIRING DIAGRAM



HARD-WIRE DRIVER RGB WIRING DIAGRAM



RGB AMPLIFIER WIRING DIAGRAM



WARNINGS 

1. **Always** consult a qualified, licensed electrician prior to the installation of this product. Diode LED recommends that a qualified, licensed electrician perform the installation of this product.
2. **Always** pre-test your strip light assembly by making all connections and connecting the strip to a power supply and ensure that all components are joined properly before they are installed.
3. It is recommended that adequate airflow and heatsink be taken into account in the application and installation of this product. Improper thermal management may lead to premature failure.
4. Exceeding the operating temperature values may damage LED chips by reducing the total lamp life and lumen output, and inversely impact color consistency.
5. Each maximum run requires a dedicated line from the power supply to avoid voltage drop.
6. This product should only be cut at “cut points,” which are designated with a scissor icon.
7. “Voltage drop” is a gradual lessening of power through a wire over a long distance. The farther the light is from the power source, the more voltage drop will occur. Voltage drop becomes a significant factor in any LED light application when the distance between the lights and the power source is greater than 30 feet. Consult a licensed electrician and an online voltage drop calculator to learn what gauge wire will work best for your configuration. For more tips, visit the Tools & Resources section on www.DiodeLED.com.
8. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, make sure the load is between 50% and 80% of the total capacity of the power supply
9. Actual color may vary from what is pictured on this sheet and other Diode LED print materials due to the limitations of photographic processes.
10. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.
11. Diode LED reserves the right to modify the design of our products as part of the company’s program of continuous improvement. Diode LED cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.

WARRANTY

Limited Warranty: This product has a five (5) year limited warranty from the date of shipment. The complete warranty details are posted on the website at www.diodeled.com under the tools and resources tab. Specific warranty periods can also be found on the individual published Product Specification Sheets.

If you have any warranty related questions please contact Diode customer service at info@doideled.com or call (877) 817-6028.