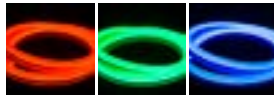


# 24V POLAR 2 RGB NEON Reels

PROJECT:  TYPE:

LOCATION:  CAT:



RGB

### Description

Continuous line of RGB light for indoor or outdoor use.

### Features

- 24V RGB linear light
- Parallel wiring to each LED ensures that if one LED goes out, the rest of the cutting increment stays lit
- Flexible rubber housing with frosted or colored PVC lens is protected with UV inhibitor
- Various mounting, linking, and power accessories available (sold separately)

### Mounting

Mounting clips or mounting track

### Applications

Building outlines and accents, marquee borders, courtyards

### Warranty

1 year Standard Linear

### Packaging

65ft Reels in plain box

## Technical Information



Polar 2 RGB Neon Reels	
Voltage	24V DC
LED Color	3-in-1 RGB
Jacket Color	Opaque White
Length	65ft
Wattage	2.7W/ft
CRI/nm	79+ CRI
Max Run	65ft**
Cuttability	Every 12" **
Beam Angle	120°
Dimming	Trulux Controllers*
Operating Temp	-30°C (-22°F)** to 45°C (113°F)
Storage Temp	-10°C (14°F)** to 30°C (86°F)
LED Type	3-in-1 5050 SMD LEDs with 0.33" spacing (36 per foot)
Rating	cETLus Listed**; Indoor/Outdoor; IP65
Rated Life	30,000 Hours

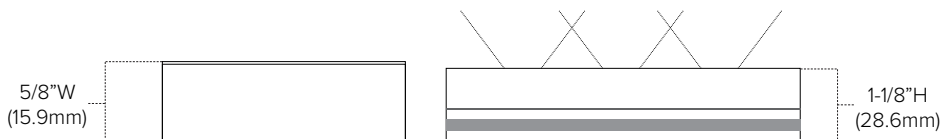
\*Minimum loads may apply. Per the NEC, switched wall outlets cannot be used with wall dimmers.

\*\*Do not install in inclement weather or extreme temperature conditions (i.e. -25°C (-13°F) and below)

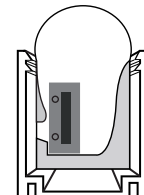
\*\*ETL Listing for 24V Polar 2 RGB Neon is valid for lengths cut to 65 feet or less and only when factory installed (attached) power connection is used.

(American Lighting warrants up to 50 feet maximum run using American Lighting power supplies, sold separately)

### Product Dimensions



Cut-view when used with  
RGB-NF-CHAN-3  
(sold separately)



## Ordering Information

### 24V Reels






PRODUCT	MODEL	VOLTAGE	LENGTH
<b>RGB</b>	<b>NF</b>	<b>24V</b>	<b>65</b>

### 24V Polar 2 RGB Neon Reels Include:

- (1) 65ft reel of Polar 2 RGB Neon
- (1) Factory-molded 5ft power cord (cETLus Listed, without plug, without inverter)
- (1) Additional 5ft power cord (cnon-rated, without plug, without inverter)
- End cap on dead end
- Requires 24V Driver (sold separately)
- Example Part # **RGB-NF-24V-65**

<b>RGB</b>	<b>NF</b>	<b>24V</b>	<b>65</b>
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## Recommended Controls (65ft max run)

Image	Part Number	Description
	RF-RGBW-3Z	Trulux RGB+WW Wireless/Radio Frequency Wall Mount Remote Control; 8-zone; USB Rechargeable; Requires the use of Trulux Radio Frequency Receiver
	RF-RGBW-USB	Trulux RGB+WW Wireless/Radio Frequency Handheld Remote Control; 8-zone; USB Rechargeable; Requires the use of Trulux Radio Frequency Receiver
	RF-RGBW-3AAA	Trulux RGB+WW Wireless/Radio Frequency Handheld Remote Control; 8-zone; Battery Operated; Requires the use of Trulux Radio Frequency Receiver
	DMX-3Z	Trulux RGB+WW DMX Wall Mount Control; 3-zone; Requires the use of Trulux DMX Receiver
	DMX-1Z-3P	Trulux RGB+WW DMX Wall Mount Control; Single-zone; Requires the use of Trulux DMX Receiver
	DMX-2-2	Trulux RGB+WW DMX Wall Mount Control; 2-2 multi-type zone; Requires the use of Trulux DMX Receiver
	REC-5A-4Z	Trulux Radio Frequency Receiver; Sync multiple receivers to a single control; 4 x (60-180W) 5A per channel; 12V/24V DC input; For use with Trulux Radio Frequency control or TruHub plus Trulux App
	REC-5A-4Z-WIFI	Trulux Radio Frequency + WiFi Receiver; Sync multiple receivers to a single control; 4 x (60-180W) 5A per channel; 12V/24V DC input; For use with Trulux Radio Frequency Control or Trulux App
	WIFI-RF-8	TruHub WiFi Hub Control; converts WiFi to RF for 2-8 zones; For use with REC-5A-4Z and Trulux App
	REC-DMX-5A-4Z-PLUS	Trulux DMX Plus Receiver; 12V/24V DC input; Manual/Auto presets; 1-4 outputs; For use with Trulux DMX Control
	REC-DMX-5A-4Z	Trulux DMX Receiver; 12V/24V DC input; 1-4 outputs; For use with Trulux DMX Control

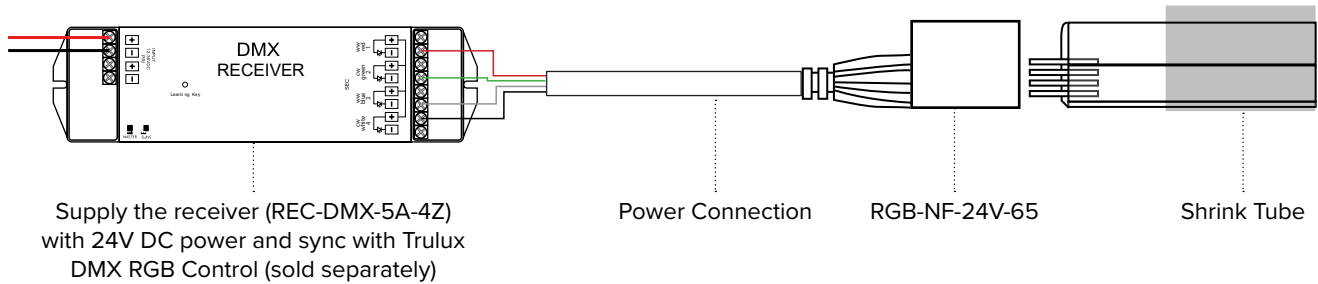
## Recommended Power Supplies (for use with Trulux Control system; 65ft Max Run)

Part Number	Description	Application	Primary / Secondary	Total Wattage	Listing	Dimensions
LED-DR30-24	Constant voltage hardwire driver	Dry location	100-240V AC / 24V DC	30W	cURus	6-1/2"x1-3/4"x1-3/16"
LED-DR60-24	Constant voltage hardwire driver	Dry/Damp location	100-240V AC / 24V DC	60W	cURus	7-13/16"x1-3/4"x1-5/8"
LED-DR100-24	Constant voltage hardwire driver	Dry/Wet location	100-240V AC / 24V DC	100W	cURus	7-5/8"x2-1/8"x1-1/2"
LED-DR150-24	Constant voltage hardwire driver	Dry/Wet location	100-240V AC / 24V DC	150W	cURus	9"x2-5/8"x1-1/2"

## Accessories

Image	Part Number	Description
	RGB-NF-CONKIT-NP	24V DC Power Connection Kit includes (1) 5ft Power cord (no plug or inverter), (2) power pins, (1) end cap, and (2) 4" pieces of shrink tube; 18AWG Wire inside 8mm diameter jacket
	RGB-NF-INVS	Splice Kit includes (1) connection sleeve assembly, (1) connector pin, and (1) 3" section of shrink tube (Bag of 10)
	RGB-NF-JUMP.5	6" jumper/linking cable for Polar 2 RGB Neon Reels includes (2) pin connectors and (2) 4" sections of shrink tube
	RGB-NF-JUMP3	3ft jumper/linking cable for Polar 2 RGB Neon Reels includes (2) pin connectors and (2) 4" sections of shrink tube
	RGB-NF-JUMP10	10ft jumper/linking cable for Polar 2 RGB Neon Reels includes (2) pin connectors and (2) 4" sections of shrink tube
	RGB-NF-CHAN-3	3ft aluminum mounting track (3/4"W x 25/32"H)
	P2-NF-ENDS	Clear plastic end caps for Polar 2 Neon (Bag of 10)
	P2-NF-CLIPS	2" Aluminum mounting clips with mounting screws for Polar 2 Neon (Bag of 10)

## Polar 2 RGB Basic Set-up (Using Trulux Controller/Receiver Combo with LED-DR driver)



## NOTES

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# AMERICAN LIGHTING WARRANTY

## LIMITED WARRANTY FOR LED PRODUCTS: 1 YEAR

### LIMITED PRODUCT WARRANTY

Our products are warranted to be free from defects in material and workmanship for the warranty period listed. Warranty periods begin from the date of shipment from American Lighting Inc's warehouse to the original purchaser. Products that prove to be defective during their specific warranty period will be either repaired or replaced, at the sole discretion of American Lighting Inc. Claims for defective products must be submitted in writing to American Lighting Inc's RGA Department within the warranty period. Upon approval of such return, American Lighting Inc reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for product that, in American Lighting Inc's opinion, has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting Inc shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and/or damages for personal injury and/or property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty does not apply to any product that has not been properly installed in accordance with current local codes and/or the National Electrical Code. Products that require a transformer, driver, or power supply must be used in conjunction with American Lighting Inc's recommended power supply to ensure safety and retain product warranty.

### PRODUCT SPECIFICATIONS

For the latest product information, updates, instructions and details concerning specifications, colors, finishes, performance, installation and design, visit [www.americanlighting.com](http://www.americanlighting.com). Color may vary from the color printed herein due to limitations in photographic and printing processes. American Lighting Inc. reserves the right to change product specifications without notice. Other product specifications such as color temperature, wavelength characteristics and lumen output are subject to production limitations and may vary. LED technology is changing rapidly, and not all color temperatures and performance levels can be duplicated at a later time. Best practices include purchasing 10-15% more for a particular project on the same initial order where white LED color temperatures must be maintained over project and product life. Eventual product replacement should be considered at layout and design stages. Best practices also include testing connections and product performance prior to mounting and/or installing.

### AVERAGE LIFE

Average incandescent lamp life, rated life and average life are terms used to describe the number of hours at which half of the lamps have failed. For LEDs, the hours of rated life specify the point where 70% of original lumen output is reached. Below this point, the effective life is over, however, the LED may still emit light. Individual results may vary with actual environmental conditions including, but not limited to, proper installation, ambient temperature and/or input voltage fluctuations.