

# POLAR RGB

Line voltage color changing light for indoor or outdoor use. Use with indoor/outdoor RGB controller for pre-programmed color functions.

## Performance

- 5050 SMD LEDs with 1.3" LED spacing
- Automated production process yields increased quality and reliability
- Tri-color chip mixes colors at the source for best projection of light and least color striations

## Construction

- Flexible clear PVC housing with UV inhibitor optimizes product longevity
- 5050 SMD LEDs machine mounted onto pure copper strip produces an economical effect lighting solution
- Polyimide film on LED mounting surface dissipates heat and keeps LEDs cool

## Installation

- Use clips to hold in place for most indirect view installations
- Clear plastic track or aluminum channel should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging
- Reels include five controller connection kits and five invisible splice kits
- Cuttable every 39.4" (1 meter) to suit the installation
- Be sure to seal all outdoor connections with dielectric grease and shrink tube

**NOTE: THIS PRODUCT IS NOT SAFETY**



## Specifications

Series	PLR-RGB
Input voltage	120V DC
Colors	Color changing
CRI or nm	N/A
Wattage	2.2W/ft
Lumens	N/A
Reel length	150.9 feet
Maximum run	150.9 feet
Cuttability	39.4" (1 meter)
Beam angle	130°
Dimming	Via controller or DMX
Material	Clear PVC housing, UV inhibitor
Rating	N/A
Dimensions	5/8"W x 3/8"H
Switching	Push button on controller
Mounting	Clips, mounting track or channel
Linking	See PLR-RGB-JUMP cables
LED type	5050 SMD LEDs (36 per meter)
Rated life	60,000 hrs

## Polar RGB Color Samples



## Polar RGB Bulk Reels



**PLR-36RGB-150** 120V DC color changing linear lighting  
(controller required, sold separately) 2.2W/ft

**POLAR RGB 150.9ft BULK REEL**  
Non-rated, sold by the reel only  
39.4" series, 150.9ft max run

Each reel ships with five PLR-RGB-EC3 ribbon to controller kits, five PLR-RGB-INVPSL invisible splice kits.  
Order controller and mounting accessories separately

## Polar RGB Accessories



### LED-RGB-CTRL

Non-rated 120V DC RGB plug-in indoor/outdoor controller with DC inverter and 5ft grounded power cord (requires weatherproof GFCI receptacle)  
Use programmed presets or to assign a DMX512 address to Polar RGB  
Dual 6A output leads, 18" length each  
Requires ribbon-to-controller (EC) kit for each lead



**PLR-RGB-EC3** 3ft EC kit  
**PLR-RGB-EC10** 10ft EC kit  
**PLR-RGB-EC20** 20ft EC kit

Ribbon-to-controller (EC) connection kit  
Includes EC cable, power pin, end cap and 3" length of shrink tube



**PLR-RGB-JUMP.7** 8" jumper  
**PLR-RGB-JUMP3** 3ft jumper  
**PLR-RGB-JUMP10** 10ft jumper  
**PLR-RGB-JUMP20** 20ft jumper

Non-rated ribbon-to-ribbon jumper  
Includes cable, (2) power pins and (2) 3" lengths of shrink tube



### PLR-RGB-INVPSL

Splice kits for joining two lengths of Polar RGB includes power pin and 3" lengths of shrink tube, sold in bags of 10



### PLR-RGB-CLIPS

Mounting clips with screws, sold in bags of 10



### PLR-RGB-CHAN-4

4ft aluminum mounting channel



### PLR-RGB-TRACK-4

4ft clear plastic mounting track