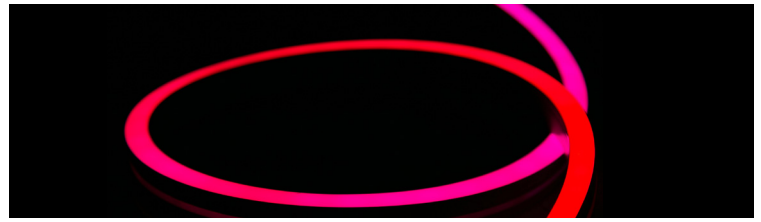# Environmental Lights™

Pixel EcoFlex 4-in-1 LED Neon - Horizontal Bend
PLN-ECO-VB-RGBX-5m

PRODUCT DESCRIPTION

Pixel EcoFlex 4-in-1 LED Neon is a highly flexible and cost-effective LED Neon product that expands your neon color use possibilities by combining RGB with 65K White or Amber. Pixel EcoFlex 4-in-1 provides users with the ability to create any color on the RGB spectrum, while also providing the option to use a dedicated White or Amber channel.

Pixel EcoFlex 4-in-1 LED Neon enables users control all four channels at every cut increment independent from one another. This added level of control empowers users to create color animation effects, movement, or simply set a static color gradient. It is also incredibly flexible and has a minimum lateral bending radius of 40mm, low maintenance and easy to control with any of our pixel controllers.

PRODUCT FEATURES

- Flexible silicone housing
- 4-in-1 (RGB + 3000K, RGB + 6500K, RGBA)
- IC Chip: SM16704
- 1-meter bare wire leads on BOTH ends of each reel
- Sold in 5-meter reels
- Solder connection kits, end caps, and glue sold separately
- Pixel Addressable
- Waterproof, IP65
- Branch length limits of 5+ meters
- UL Listed, RoHS Compliant
- Warranty: 5 Year Limited

SPECIFICATIONS & PARAMETERS

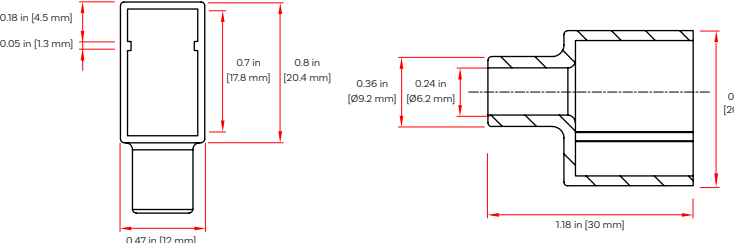| Product Number	PLN-ECO-RGBA-5m	PLN-ECO-RGB3000K-5m	PLN-ECO-RGB6500K-5m
Color Temperature	RGB + Amber	RGB + 3000K	RGB + 6500K
Voltage (DC)	24 VDC	24 VDC	24 VDC
Power (W/ft, W/m)	5.5 W/ft, 18 W/m	5.5 W/ft, 18 W/m	5.5 W/ft, 18 W/m
Density (LEDs/m)	60 LEDs/m	60 LEDs/m	60 LEDs/m
LED Node Size	5050	5050	5050
Cutting Increment	3.94 in [100 mm]	3.94 in [100 mm]	3.94 in [100 mm]
Strip Width	0.55 in [14 mm]	0.55 in [14 mm]	0.55 in [14 mm]
Strip Height	0.81 in [20.5 mm]	0.81 in [20.5 mm]	0.81 in [20.5 mm]
Reel Length	16.4 ft [10m]	16.4 ft [10m]	16.4 ft [10m]
IP Rating	IP65	IP65	IP65
Ambient Working Temp	-20°C to -20°C	-20°C to -20°C	-20°C to -20°C
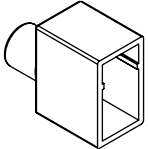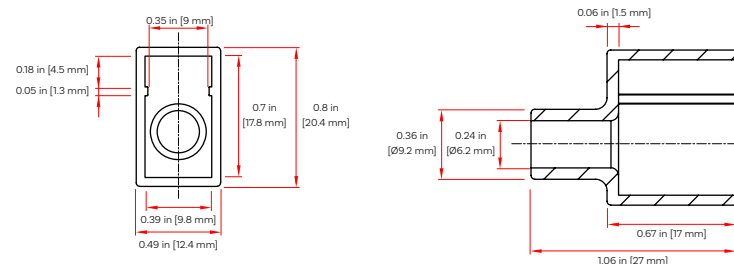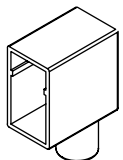
MECHANICAL SPECIFICATIONS

Pixel EcoFlex, Horizontal Bend

Side Bending

0.31 in [8 mm]

0.81 in [20.5 mm]

0.55 in [14 mm]
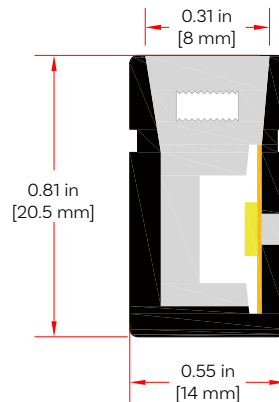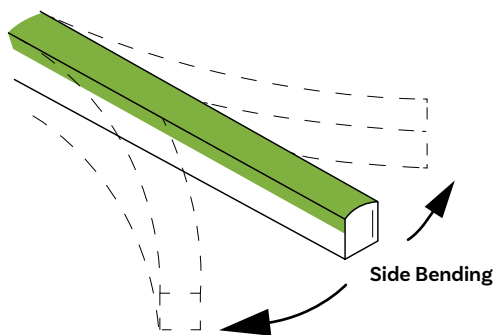
TYPES OF CONNECTOR

Note: Unless otherwise stated, the tolerance of the connector is ±0.5 mm.

Product	Description	Dimensional Drawing
Straight Exit Solder Connection Kit PLN-ECO-FC	End cap with front wire exit is compatible with PixelControl EcoFlex 4-in-1 Horizontal Bend LED Neon. End cap with wire exit includes 1-meter leads. Glue is sold separately.	
Rear Exit Solder Connection Kit PLN-ECO-RC	End cap with rear wire exit is compatible with PixelControl EcoFlex 4-in-1 Horizontal Bend LED Neon. End cap with wire exit includes 1-meter leads. Glue is sold separately.	

MOUNTING PROFILE

STANDARD ALUMINUM PROFILE

Note: Unless otherwise stated, the tolerance of the connector is ±0.5 mm.

Product	Description	Width	Height	Length
EcoFlex Mounting Channel LN-ECO-RGB-ACH3-1m	Aluminum channel designed for mounting EcoFlex 4-in-1 LED Neon Horizontal Bend and holding it in place. Screws not included	0.48 in [12.25 mm]	0.64 in [16.25 mm]	16.25 ft [1 m]
EcoFlex Mounting Clip LN-ECO-RGB-CLIP3	Aluminum clip designed for mounting EcoFlex 4-in-1 LED Neon Horizontal Bend and holding it in place. Screws not included.	0.48 in [12.25 mm]	0.63 in [16 mm]	1.2 in [30.5 mm]

For More Information
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