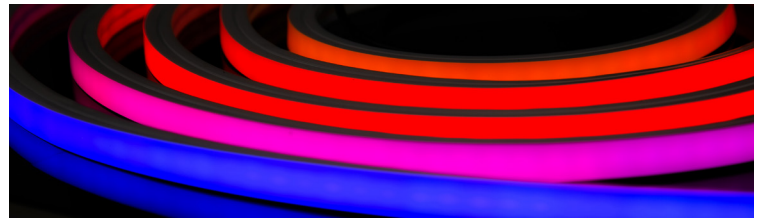


Pixel EcoFlex 4-in-1 LED Neon - Vertical Bend

PLN-ECO-VB-RGBX-10m



PRODUCT DESCRIPTION

Pixel EcoFlex 4-in-1 Vertical Bend 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.

This 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.

EcoFlex LED Neon is incredibly flexible, with a 60mm minimum vertical bending radius. It is low maintenance and easy to control. It is also easy to customize with our various end caps, connectors and wire exists, making it perfect for use in retail, scenic, architectural and other decorative lighting installations.

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PRODUCT FEATURES

- Flexible silicone housing, vertical Bend - bends opposite direction of our standard neon product lines
- 4-in-1 (RGB + 3000K, RGB + 6500K, RGBA)
- IC Chip: SM16704
- 1-meter bare wire leads on BOTH ends of each reel
- Sold in 10 meter reels, 5-meter reels are available upon request

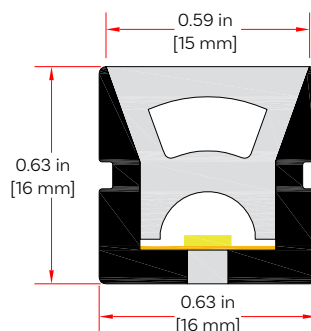
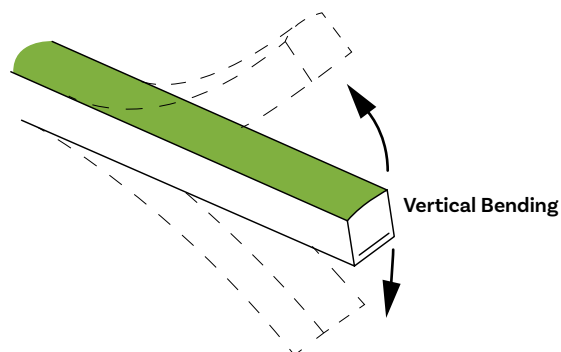
- Solder connection kits, end caps and glue sold separately
- Pixel Addressable
- Waterproof, IP65
- Branch length limits of 5+ meters
- UL Listed, RoHS Compliant
- Warranty: 5 Year Limited

SPECIFICATIONS & PARAMETERS

Product Number	PLN-ECO-VB-RGBA-10m	PLN-ECO-VB-RGB3000K-10m	PLN-ECO-VB-RGB6500K-10m
Color Temperature	RGB + Amber	RGB + 3000K	RGB + 6500K
Voltage (DC)	24 VDC	24 VDC	24 VDC
Power (W/ft, W/m)	2.9 W/ft, 9.6 W/m	2.9 W/ft, 9.6 W/m	2.9 W/ft, 9.6 W/m
Density (LEDs/m)	72 LEDs/m	72 LEDs/m	72 LEDs/m
LED Node Size	5050	5050	5050
Cutting Increment	3.28 in [83.3 mm]	3.28 in [83.3 mm]	3.28 in [83.3 mm]
Strip Width	0.63 in [16 mm]	0.63 in [16 mm]	0.63 in [16 mm]
Strip Height	0.63 in [16 mm]	0.63 in [16 mm]	0.63 in [16 mm]
Reel Length	32.8 ft [10 m]	32.8 ft [10 m]	32.8 ft [10 m]
IP Rating	IP65	IP65	IP65
Ambient Working Temp	-20°C to -20°C	-20°C to -20°C	-20°C to -20°C

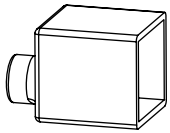
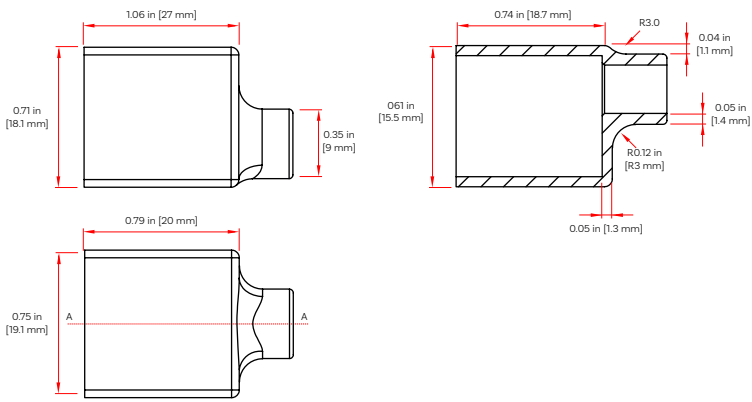
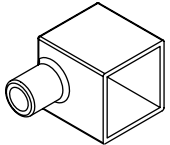
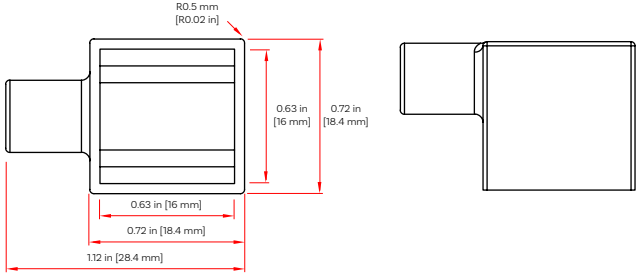
MECHANICAL SPECIFICATIONS

Pixel EcoFlex, Vertical Bend



TYPES OF CONNECTOR

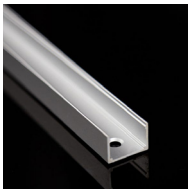

Note: Unless otherwise stated, the tolerance of the connector is ± 0.5 mm.

Product	Description	Dimensional Drawing
Straight Exit Solder Connection Kit PLN-ECO-VB-FC 	End cap with front wire exit is compatible with PixelControl EcoFlex 4-in-1 Vertical Bend LED Neon. End cap with wire exit includes 1-meter leads. Glue is sold separately.	 <p>Top view dimensions: 1.06 in [27 mm] (width), 0.71 in [18.1 mm] (height), 0.35 in [9 mm] (exit width), 0.79 in [20 mm] (bottom width), 0.75 in [19.1 mm] (bottom height).</p> <p>Side view dimensions: 0.74 in [18.7 mm] (top width), R3.0 (radius), 0.04 in [1.1 mm] (top offset), 0.05 in [1.4 mm] (side offset), 0.05 in [1.3 mm] (bottom offset), R0.12 in [R3 mm] (corner radius).</p>
Rear Exit Solder Connection Kit PLN-ECO-VB-RC 	End cap with rear exit wire exit is compatible with PixelControl EcoFlex 4-in-1 Vertical Bend LED Neon. End cap with wire exit includes 1-meter leads. Glue is sold separately.	 <p>Top view dimensions: R0.5 mm [R0.02 in] (radius), 0.63 in [16 mm] (width), 0.72 in [18.4 mm] (height), 0.63 in [16 mm] (exit width), 0.72 in [18.4 mm] (exit height), 1.12 in [28.4 mm] (total width).</p> <p>Side view dimensions: 0.72 in [18.4 mm] (height).</p>

MOUNTING PROFILE

STANDARD ALUMINUM PROFILE

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

Product	Description	Width	Height	Length
Vertical Bend Mounting Channel LN-ECO-VB-ACH-2m 	Aluminum channel designed for mounting EcoFlex 4-in-1 LED Neon Vertical Bend and holding it in place.	0.71 in [18 mm]	0.47 in [12 mm]	6.56 ft [2 m]
Vertical Bend Mounting Clip LN-ECO-VB-CLIP 	Aluminum clip designed for mounting EcoFlex 4-in-1 LED Neon Vertical Bend and holding it in place. Screw not included.	0.71 in [18 mm]	0.97 in [24.8 mm]	0.1 ft [30.5 mm]