Environmental Lights™

EcoFlex 4-in-1 LED Neon - Vertical Bend
LN-ECO-VB-RGB3000K, LN-ECO-VB-RGB6500K, LN-ECO-VB-RGBA
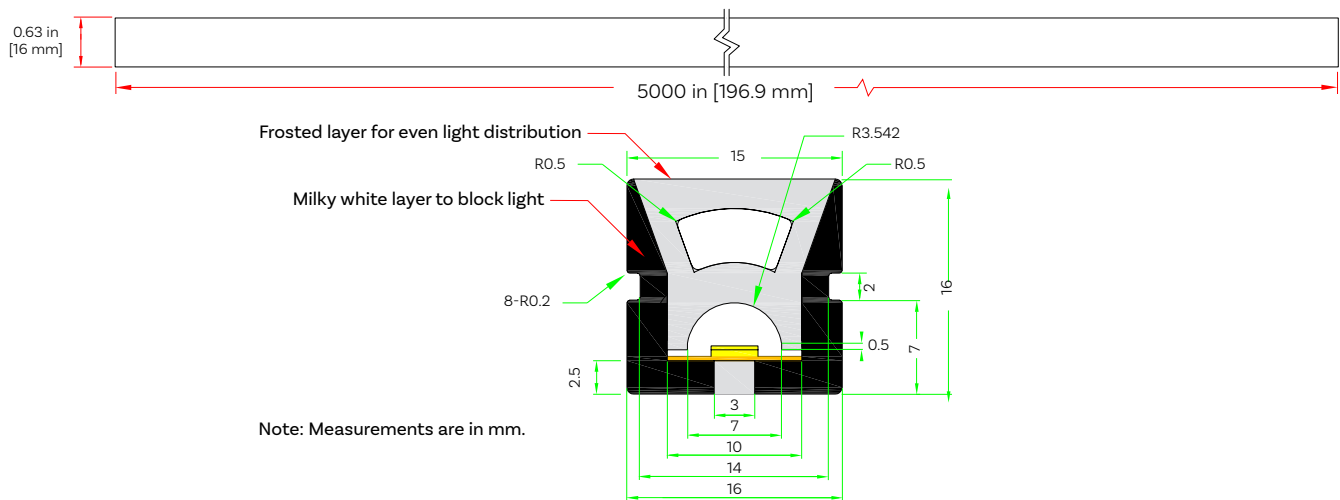

PRODUCT DESCRIPTION

EcoFlex 4-in-1, RGB + [3000K/6500K/Amber] LED Neon is a highly flexible and cost-effective LED Neon product that expands your neon color mixing possibilities by combining 3000K/6500K/Amber and RGB. This neon allows you to achieve the creative potential of traditional glass neon while getting all the benefits of LED. This is the "vertical bend" version, which means it bends like standard strip light, but provides the diffused look of neon. It can be used to wrap around three-dimensional objects like columns, with the light shining outward.

EcoFlex LED Neon is UL Listed and saves time and money on installation. It runs on 24 volts DC and its silicone casing provides protection and excellent diffusion for a hotspot-free appearance. EcoFlex LED Neon is incredibly flexible, with a 40mm minimum vertical bending radius. It is low maintenance and easy to control. This product comes with leads on each end so it can be cut and capped if needed. It is ideal for use in retail, scenic, architectural and other decorative lighting installations.
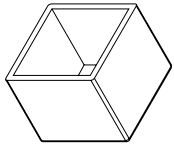
PRODUCT FEATURES

• Flexible silicone housing
• UV resistant and low maintenance
• Bends vertically (opposite direction of our standard Neon product lines)
• 4-in-1 [RGB + 3000K, 6500K or Amber]
• Both 5 and 10-meter reel lengths
• 1-meter injection molded leads on BOTH ends of each reel
• Average Lifetime: 50,000 Hours

REGULATORY

• UL Listed
• RoHS
• Average Lifetime: 50,000 hours
• Warranty: 5 Year Limited

TECHNICAL SPECIFICATIONS

Product	LN-ECO-VB-RGB3000K-10m, LN-ECO-VB-RGB3000K-5m	LN-ECO-VB-RGB6500K-10m, LN-ECO-VB-RGB6500K-5m	LN-ECO-VB-RGBA-10m, LN-ECO-VB-RGBA-5m
Color Detail	RGB + 3000K	RGB + 6500K	RGB + Amber
Wave Length	630/520/463	630/520/463	630/520/463
Power (Watts/meter)	9.6 Watts/m	9.6 Watts/m	9.6 Watts/m
Power (Watts/ft)	2.9 Watts/ft	2.9 Watts/ft	2.9 Watts/ft
Brightness (lm/meter)	41/136/29/127 lumens/meter	41/136/29/127 lumens/meter	41/136/29/39 lumens/meter
Beam Angle	120°	120°	120°
Width	0.63 in (16 mm)	0.63 in (16 mm)	0.63 in (16 mm)
Length	32.81 ft (10 m), 16.4 ft (5 m)	32.81 ft (10 m), 16.4 ft (5 m)	32.81 ft (10 m), 16.4 ft (5 m)
Min. Cutting Increment	2.46 in (62.5 mm)	2.46 in (62.5 mm)	2.46 in (62.5 mm)
LED Density	96 LEDs/meter	96 LEDs/meter	96 LEDs/meter
LED Spacing	0.41 in (10.42 mm)	0.41 in (10.42 mm)	0.41 in (10.42 mm)
IP Rating	IP65	IP65	IP65

MECHANICAL SPECIFICATIONS

0.63 in [16 mm]

5000 in [196.9 mm]

Frosted layer for even light distribution

R3.542

R0.5

R0.5

Milky white layer to block light

15

16

2

0.5

7

8-R0.2

2.5

3

7

10

14

16

Note: Measurements are in mm.

For More Information
888.880.1880
ContactUs@EnvironmentalLights.com

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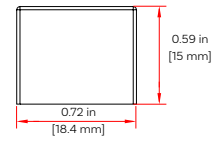## PRODUCT CONNECTORS & MOUNTING PROFILES

A END CONNECTORS

End Cap
LN-ECO-EC

End Cap accessory is compatible with EcoFlex 4-in-1 Vertical Bend LED Neon. Glue is sold separately. Please note user installation of end caps will void factory IP rating of EcoFlex 4-in-1 LED neon. Consult installation instructions for best practices.
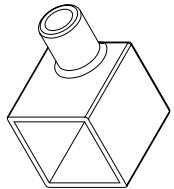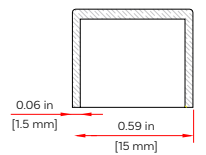
FRONT
0.63 in [16 mm]
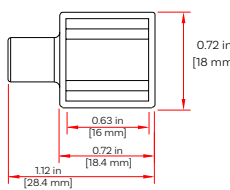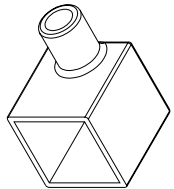0.72 in [18.4 mm]

TOP
0.59 in [15 mm]
0.72 in [18.4 mm]
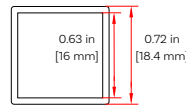
CROSS-SECTION
0.06 in [1.5 mm]
0.59 in [15 mm]

End Cap with Wire Exit
LN-ECO-VB-R4

End cap with front wire exit is compatible with EcoFlex 4-in-1 Vertical Bend LED Neon. End cap with wire exit includes 1-meter leads. Glue is sold separately. Please note user installation of end caps will void factory IP rating of EcoFlex 4-in-1 LED neon. Consult installation instructions for best practices.
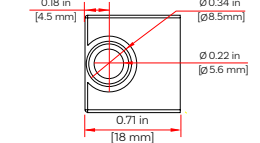
FRONT
0.72 in [18 mm]
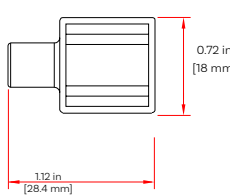0.63 in [16 mm]
0.72 in [18.4 mm]
1.12 in [28.4 mm]

TOP
0.71 in [18 mm]
0.72 in [18.4 mm]

CROSS-SECTION
0.18 in [4.5 mm]
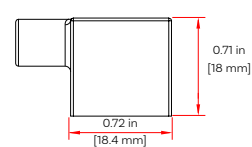Ø 0.34 in [ø8.5mm]
Ø 0.22 in [Ø 5.6 mm]
0.71 in [18 mm]
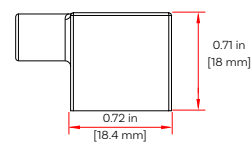
End Cap with Back Wire Exit
LN-ECO-VB-S4

End cap with back wire exit is compatible with EcoFlex 4-in-1 Vertical Bend LED Neon. End cap with wire exit includes 1-meter leads. Based on positioning of the cap, this can be used for right or left side wire exit. Glue is sold separately.Please note user installation of end caps will void factory IP rating of EcoFlex 4-in-1 LED neon. Consult installation instructions for best practices.
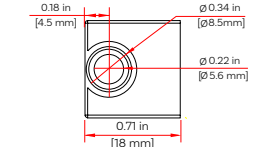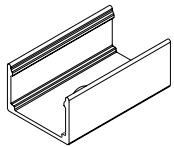
FRONT
0.72 in [18 mm]
1.12 in [28.4 mm]

TOP
0.71 in [18 mm]
0.72 in [18.4 mm]

CROSS-SECTION
0.18 in [4.5 mm]
Ø 0.34 in [ø8.5mm]
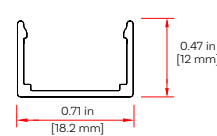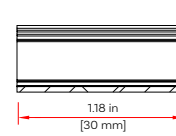Ø 0.22 in [Ø 5.6 mm]
0.71 in [18 mm]

B MOUNTING PROFILE

Mounting Clip
LN-ECO-VB-CLIP

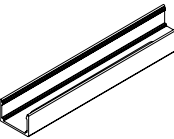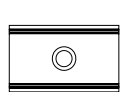Used for mounting EcoFlex 4-in-1 LED Neon – Vertical Bend and holding it in place. Screw sold separately.
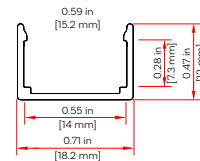
FRONT
0.47 in [12 mm]
0.71 in [18.2 mm]

TOP
1.18 in [30 mm]

BOTTOM

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.

FRONT
0.59 in [15.2 mm]
0.28 in [7.3 mm]
0.47 in [12 mm]
0.55 in [14 mm]
0.71 in [18.2 mm]

TOP
x2 mounting holes
4.5
6.5
10
980
1000
10

Note: Measurements are in mm.

For More Information
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