Omnify

OmniBend™ 360

IP65 LM80 CE ᶜUL US LISTED **ROHS** *360º Bendable Neon Tube Light*

Part# 234025

Job Information			
Project		**Location**	
Contact		**Date**	
Product Number		**Fixture Type**	

Bendable illumination in every direction with shadowless uniform 360° light output. OmniBend 360° has a unique light distribution structure that allows for flexibility to form almost any shape. Connect tube for end to end looped designs, or create organic linear shapes.

• High luminous efficiency
• LM80 test certification and IP65 protection level
• Skin-friendly surface treatment that's has a soft silica comfortable touch
• Environmental characteristics include salt solution resistance, acid and alkali corrosion resistance, flame retardant resistance, and UV resistance
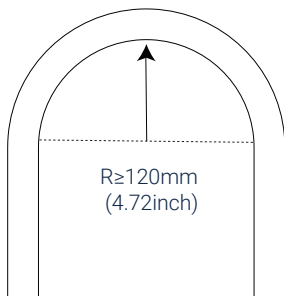• Standard 1m length. Custom lengths available upon requuest
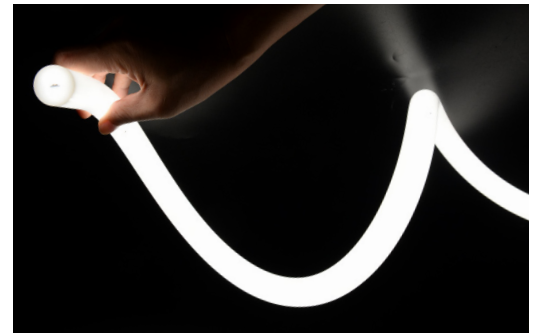
APPLICATIONS

• Branding
• Ceiling Hung
• Decorative or Artistic
• Shelves / Cabinets
• Cove Lighting
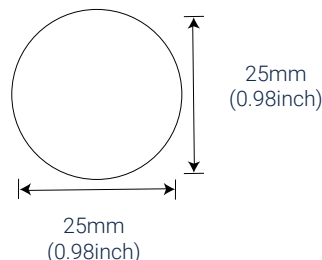• Displays

COLOUR TEMPERATURE (K)

2700 3000 3500   4100   5300   6500
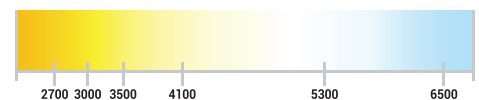
OVERVIEW

MAXIMUM BEND PROXIMITY

R≥120mm
(4.72inch)

TUBE DIAMETER

25mm
(0.98inch)

25mm
(0.98inch)
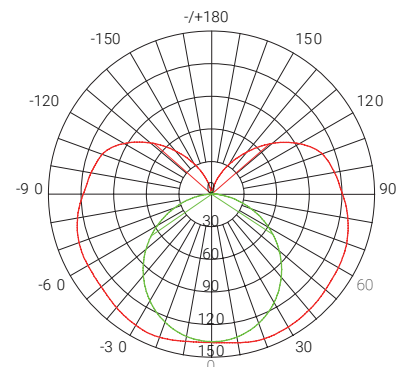
PHOTOMETRIC DIAGRAM

Average Beam Angle (50%):187.3 Deg

Note: The above data is based on 24V monochrome 4000K color temperature.

SPECIFICATIONS

PHYSICAL

Part Number	234025
Beam Angle	360º (All directional bend)
CRI	>90
Color Temprature	2300K - 2700K • 3000K • 4000K • CCT 2300K-4000K • RGB
Lumens (LM/m)	750 (225/ft)
Operating Temprature	25ºC - 55ºC
Environment	IP65 (Outdoor)
Diode Pitch	25mm (Standard)
Cuttable Length	2" (50.8mm)
Standard Lengths	1m (3.28ft) • 2.5m (8.2ft) • 5m (16.4ft) • Custom length available on request.

ELECTRICAL

|	
Input Voltage	24V DC
Power Consumption	Minimum 14.4W/m (4.39W/ft) • Maximum 16W/m (4.88W/ft)
Connector	Waterproof cable with plug & play connector
Certification	UL Listed (E346146)

Note:

- The above parameters are tested based on 1m (3.28ft) standard products;
- The luminous flux is allowed to have an error range of ±10%;
- Please use an isolated power supply to drive the LED light bar, and the ripple of the constant voltage source is less than 5%. Do not use resistance-capacitance step-down, non-isolated power supplies to drive the LED light bar.
- In actual applications, the power supply should reserve 20% of the margin (it is recommended to use only 80% of the power) to ensure sufficient voltage to drive the product.
- Please operate carefully, do not touch the AC power terminal when the power is on to prevent electric shock.
- Pay attention to the positive and negative poles of the power cord, and do not connect it wrongly. Whether the voltage of the power supply and the product are the same, so as to avoid damage to the product.
- During the installation process, please avoid scratching, twisting and irregular bending of the product, otherwise it may cause irreparable damage to the product.
- In order to ensure the life and reliability of the light strip, please do not bend it in an arc with a radius of 120mm or less. A too small bending radius will damage the product itself.
- If the actual application length exceeds the specified use length, it will cause the lamp belt to overload and heat, and the brightness is uneven.
- In order to prevent your eyes from being hurt, try to avoid staring at the light-emitting surface of the light bar for a long time.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- It is strictly forbidden to use any acidic or alkaline adhesives to fix products (including but not limited to glass glue, etc.).
- Different IP grades are used in different scenarios, and IP65 is not suitable for immersed environments.
- Products of different sizes and specifications under the same color temperature value due to structural differences, the final color of the product is slightly deviated, and it needs to be confirmed before use.
- Light strips that can be cut arbitrarily need to be glued or plugged after cutting. Colored light and color temperature are strictly prohibited to be cut to avoid damage to the lamp due to cutting.
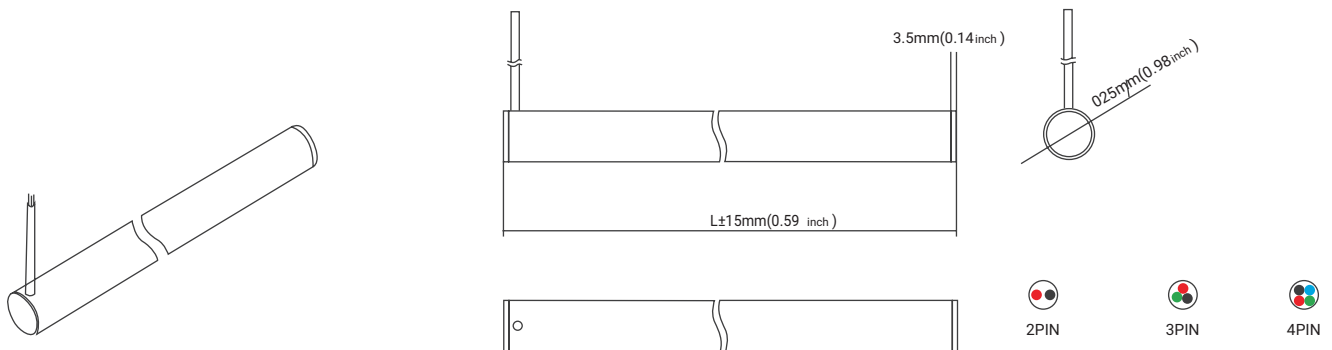- Please use professional cutting tools when cutting.

MOUNTING OPTIONS

IP65 SILICONE PLUG -TOP OUTLET

10mm(0.39 inch)   3.5mm(0.14 inch)   Ø25mm(0.98 inch)

L±15mm(0.59 inch)

| 2PIN | 3PIN | 4PIN |
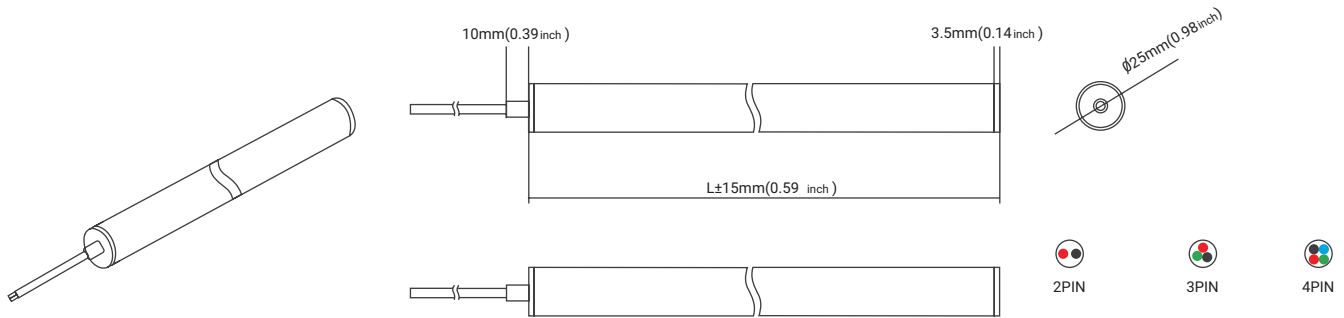
IP65 SILICONE PLUG - SIDE OUTLET

3.5mm(0.14 inch)   025mm(0.98 inch)

L±15mm(0.59 inch)

| 2PIN | 3PIN | 4PIN |

CANNONT wrap objects less than 120mm.

NO STRETCHING
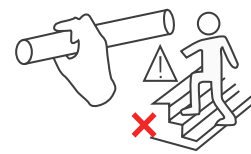
NO STEPPING

ACCESSORIES

Installation schematic	Accessories Picture	Name	Part # 234025 _ _	Details
/		Ceiling Fixed installation components	01	Size: L25*W51.6*H27.8 mm, With screws; 3pcs/1M;5pcs/ 2.5M;8pcs/5M
		Vertical hanging side outlet Install accessory kit 1m)	02	Round tube 1M Wire rope 2M
		Vertical hanging side outlet Install accessory kit 2.5m)	03	Round tube 2.5M Wire rope 2M
		Hang the top vertically Outlet installation accessory kit (1m)	04	Round tube 1M Wire rope 2M
		Vertical hanging from the top Install accessory kit (2.5m)	05	Round tube 2.5M Wire rope 2M
		Single-ended vertical ceiling Install accessory kit (1m)	06	Round tube 1M
		Single-ended vertical ceiling Install accessory kit (2.5m)	07	Round tube 2.5M
		Horizontal ceiling installation components	08	PC Slot 1M
		Horizontal hoisting Install components （38mm）	09	Round tube 38mm Wire rope 2pcs, L 2M

ACCESSORIES

Installation schematic	Accessories Picture	Name	Part # 234025 _ _	Details
		Horizontal hoisting Install components (1M)	10	Round tube L 1M Wire rope 2pcs, L2M
		Horizontal hoisting Install components （2.5M）	11	Wire rope 2pcs 2pcs, L 2M
		Double-ended vertical ceiling Kits	12	/
		Can be spliced Install components	13	/
		Concealed Install components	14	/
		Can be shaped and hoisted Install components	15	/
/		Plug set	16	/
/		Connector	17	Suitable for monochromatic light strip
		Connector	18	Suitable for CCT light strip
		Connector	19	Suitable for RGB light strip

ACCESSORIES

Image	Name		Part # 234025 X X __ __	Details
	Glue		20	588G Acidic Glue 10ml/pcs
	Wire	Suitable for monochromatic light strips (Use the top-out line)	21	2P PVC Wire (0.5M)
	Wire		22	2P PVC Wire (2M)
	Wire	Suitable for RGB strips (Use the top-out line)	23	4P PVC Wire (0.5M)
	Wire		24	4P PVC Wire (2M)

CONTROL OPTIONS

Image	Name	Specifications	Applicable Products	Part # 234025 X X __ __
	Monochrome Remote	Output Signal: rf Working Voltage: 3V DC(Cr2032) Remote Control Distance: 30m Working Temperature: 0-30 ℃~0+55 ℃	Monochrome light strip	25
	Monotone Light Controller	Input Voltage: DC 12-48V Output Current: 15a@12V/24V,10a@36V/48V Output Power: max 180W@12V/max 360W @24V/max 360W@36V/max 480W@48V Working Temperature: -30℃— +55℃	Monochrome light strip	26
	CCT Remote Control	Output Signal: rf Working Voltage: 3V DC (Cr2032) Remote Control Distance: 30m Working Temperature: 0-30 ℃~0+55 ℃	CCT light strip	27
	Color Temperature Controller	Input Voltage: DC12-48V Output Current: 8a Output Power: max 192W@12V/max 284W @24v/max 576W@36V/max 768W@48V Working Temperature: -30℃— +55℃	CCT light strip	28
	RGB/RGBW Remote Control	Output Signal: rf Working Voltage: 3V DC(Cr2032) Remote Control Distance：30m Working Temperature: 0-30 ℃~0+55 ℃	RGB/RGBW light strip	29
	RGB Controller	Input Voltage: DC12-48V Output Current: 18a Output Power: max 216W@12V/max 432W @24v/max 648W@36V/max 864W@48V Working Temperature：-30℃— +55℃	RGB light strip	30
	Symphony Controller	Power Supply: DC 5V-24V Input Power Consumption: 5W Working Temperature: 0-20 ℃~0+85 ℃	DMX/SPI magic lights with universal	31