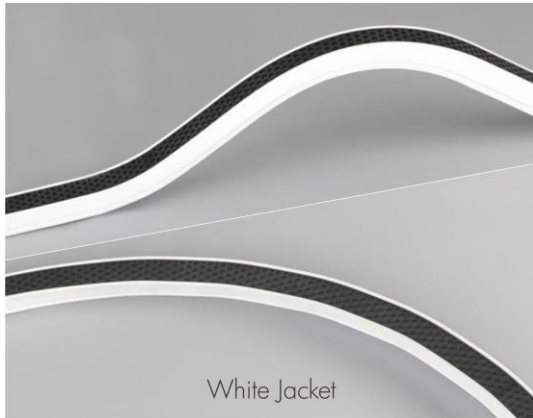


LED Neon Strip – Honeycomb Anti-Glare Dual-Bend



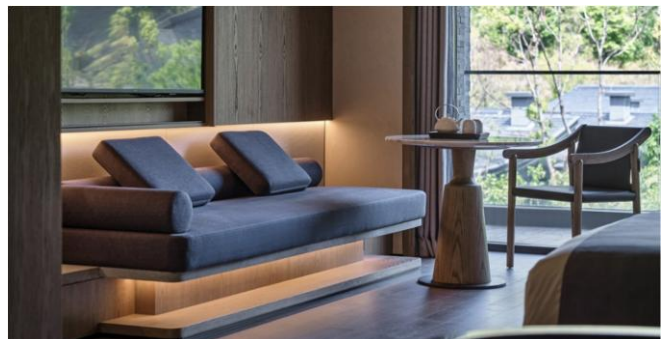
Highlights:



- Dual-bend performance to fix many plane, curved and complex irregular structures at will.
- Noble and elegant appearance in white or black jacket.
- Anti-glare effect with honeycomb cover design with $UGR < 19$.
- On-site processable to be any length with the free-cutting feature.
- Dimmable available with PWM signal.
- Environmentally friendly, high-grade appearance, soft bend flexibility, strong impact resistance, and high weather resistance using food-grade silicone material.
- IP67 and IK06 for both indoor and outdoor usage application.
- 50,000 hours lifespan.

Application Areas:

- Ideal for luxurious decorative, cove, and landscape lighting applications.



Technical Parameters:

Code	IB-NS-B6DB24XXX-SEWJ-14W-1616AG (XXX: 2400K: 924, 2700K: 927, 3000K: 930, 4000K: 940, 6000K: 960)
Electronic data	
Input voltage	24VDC
Rated Power	14W/m
Optical / Photometric	
LED type	SMD 2835
LED Qty/m	120 LEDs/m
Lumen / meter @ 2700K	126 lm
Lumen / meter @ 3000K	133 lm
Lumen / meter @ 4000K	140 lm
Lumen / meter @ 6000K	140 lm
CCT	2400K / 2700K / 3000K / 4000K / 6000K
CRI	≥ 90
SDCM	< 3
Beam angle	120°
Mechanical	
Dimension / reel (L*W*H)	50000*16*16mm
Housing material	Silicone
Finish	White Jacket
Ingress protection	IP67, IK06
Cutting length	Free cutting to be any length
Others	
Rated lifetime	50,000 hrs
Operating Ambient	20~45°C
Certification	RoHS, CE, UL

Technical Parameters:

Code	IB-NS-B6DB24XXX-SEBJ-14W-1616AG (XXX: 2400K: 924, 2700K: 927, 3000K: 930, 4000K: 940, 6000K: 960)
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Lumen / meter @ 4000K	140 lm
Lumen / meter @ 6000K	140 lm
CCT	2400K / 2700K / 3000K / 4000K / 6000K
CRI	≥ 90
SDCM	< 3
Beam angle	120°
Mechanical	
Dimension / reel (L*W*H)	50000*16*16mm
Housing material	Silicone
Finish	Black Jacket
Ingress protection	IP67, IK06
Cutting length	Free cutting to be any length
Others	
Rated lifetime	50,000 hrs
Operating Ambient	20~45°C
Certification	RoHS, CE, UL

Technical Parameters:

Code	IB-NS-B6DB24XXX-HEWJ-14W-1616AG (XXX: 2400K: 924, 2700K: 927, 3000K: 930, 4000K: 940, 6000K: 960)
Electronic data	
Input voltage	24VDC
Rated Power	14W/m
Optical / Photometric	
LED type	SMD 2835
LED Qty/m	120 LEDs/m
Lumen / meter @ 2700K	252 lm
Lumen / meter @ 3000K	266 lm
Lumen / meter @ 4000K	280 lm
Lumen / meter @ 6000K	280 lm
CCT	2400K / 2700K / 3000K / 4000K / 6000K
CRI	≥ 90
SDCM	< 3
Beam angle	120°
Mechanical	
Dimension / reel (L*W*H)	50000*16*16mm
Housing material	Silicone
Finish	White Jacket
Ingress protection	IP67, IK06
Cutting length	50mm
Others	
Rated lifetime	50,000 hrs
Operating Ambient	20~45°C
Certification	RoHS, CE, UL

Technical Parameters:

Code	IB-NS-B6DB24XXX-HEBJ-14W-1616AG (XXX: 2400K: 924, 2700K: 927, 3000K: 930, 4000K: 940, 6000K: 960)
Electronic data	
Input voltage	24VDC
Rated Power	14W/m
Optical / Photometric	
LED type	SMD 2835
LED Qty/m	120 LEDs/m
Lumen / meter @ 2700K	252 lm
Lumen / meter @ 3000K	266 lm
Lumen / meter @ 4000K	280 lm
Lumen / meter @ 6000K	280 lm
CCT	2400K / 2700K / 3000K / 4000K / 6000K
CRI	≥ 90
SDCM	< 3
Beam angle	120°
Mechanical	
Dimension / reel (L*W*H)	50000*16*16mm
Housing material	Silicone
Finish	Black Jacket
Ingress protection	IP67, IK06
Cutting length	50mm
Others	
Rated lifetime	50,000 hrs
Operating Ambient	20~45°C
Certification	RoHS, CE, UL

Dimension / Diagram

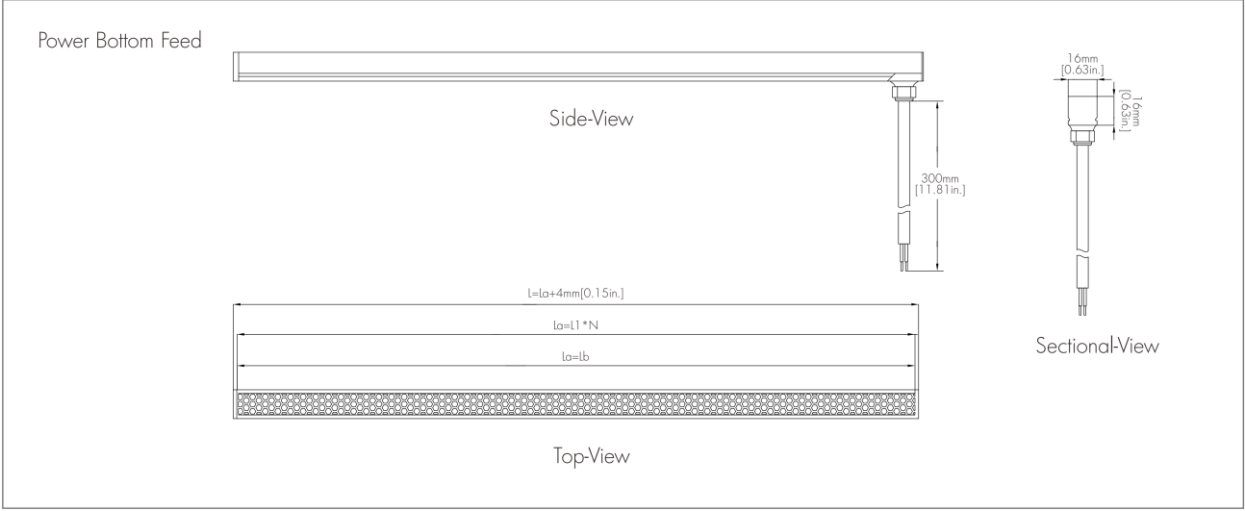
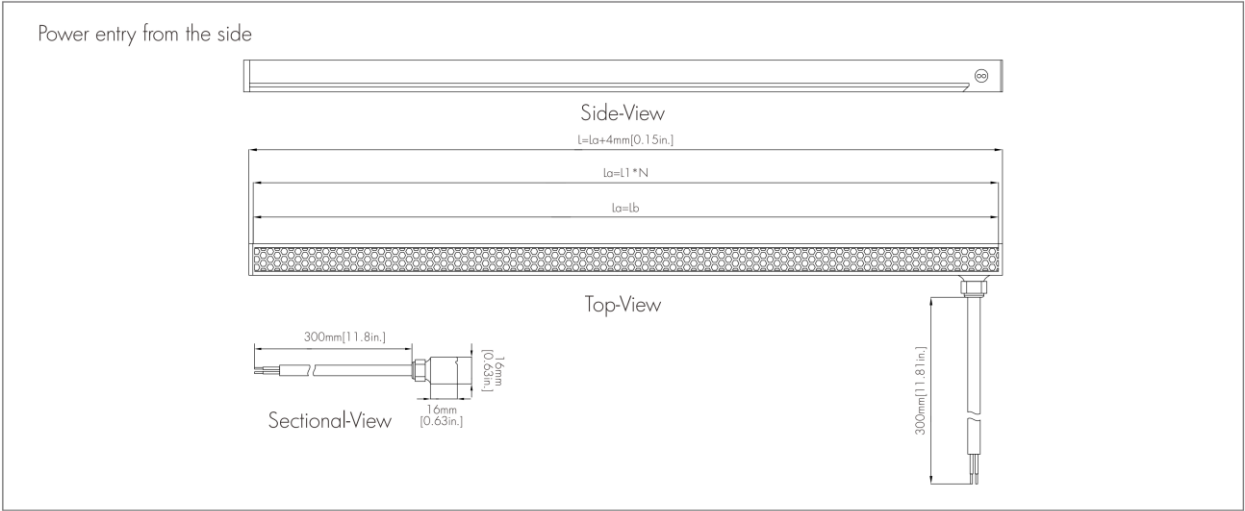
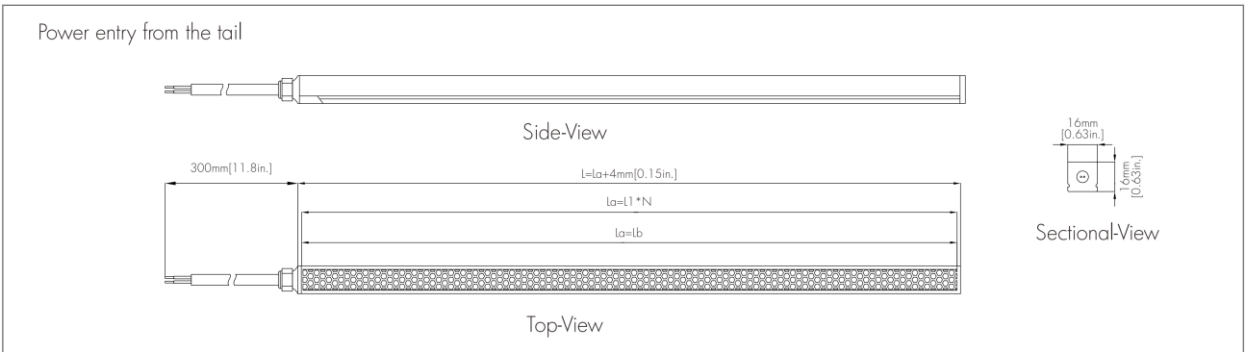
L: Total length

Lb: Illumination surface length

N: Number

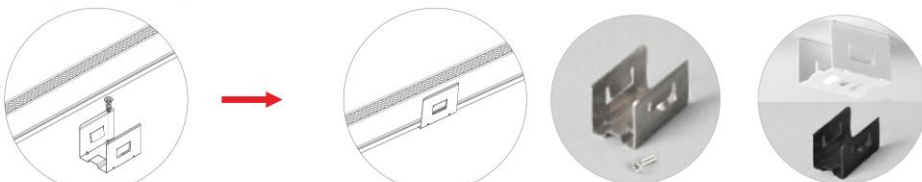
La: Length of LED strip light

L1: Minimum cutting unit



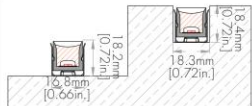
Installation

Fixed by bracket and screw



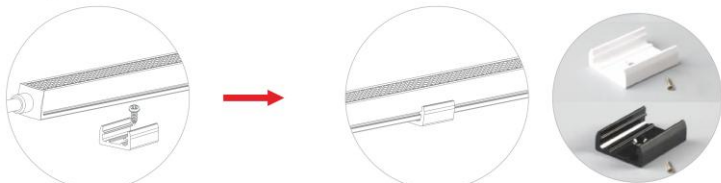
Note: Silver color is standard; white or black color is optional.

Space & Groove are shown as below



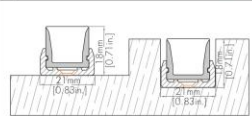
Surface & Recessed mounting

Fixed by bracket and screw



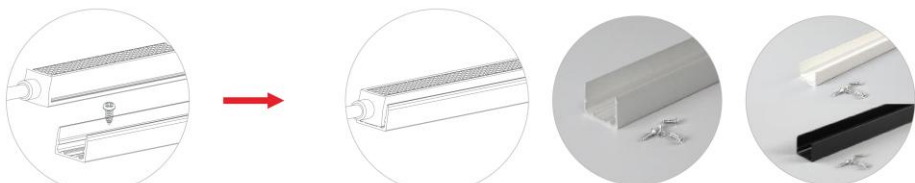
Note: White color is standard, black color is optional. PC material is not recommended for long-term exposure to outdoor sunlight.

Space & Groove are shown as below



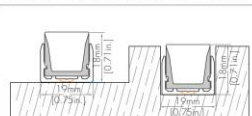
Surface & Recessed mounting

Fixed by aluminum profile and screw



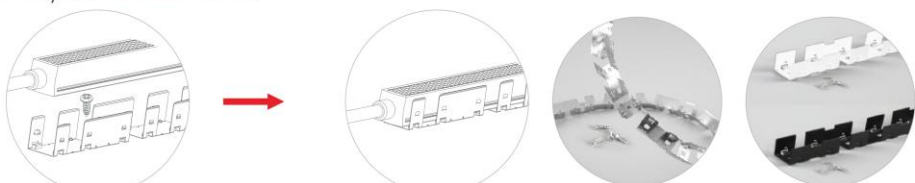
Note: Silver color is standard, white or black color are optional.

Space & Groove are shown as below



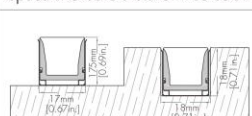
Surface & Recessed mounting

Fixed by bendable bracket and screw



Note: Silver color is standard; white or black is optional and shipped in 1M[3.94ft.] per piece.

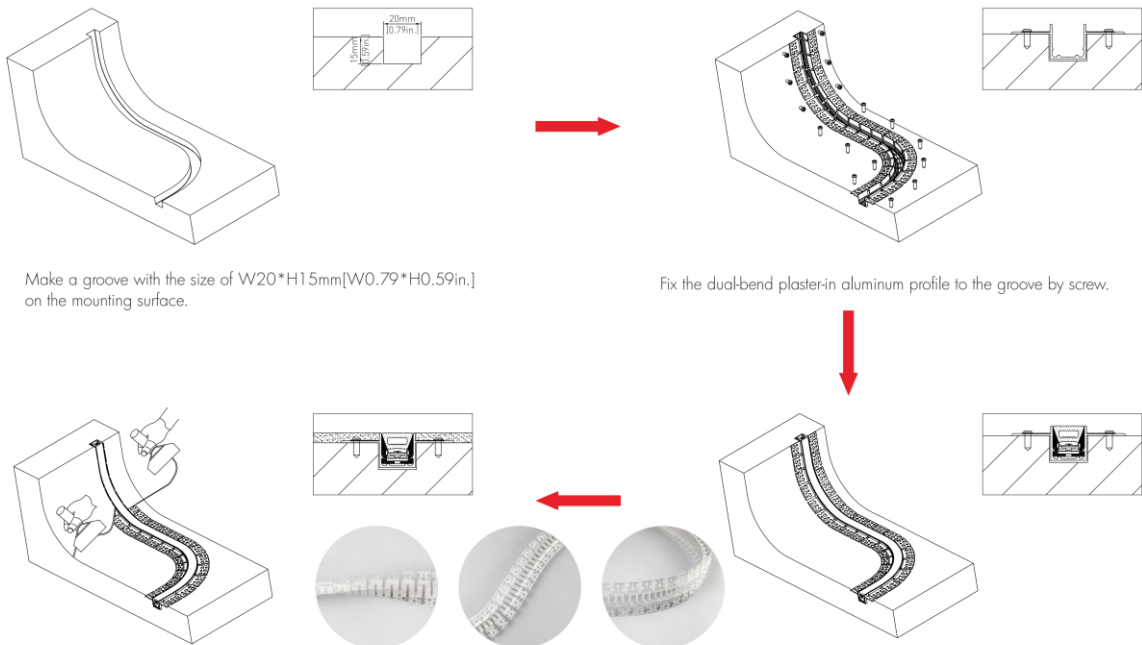
Space & Groove are shown as below



Surface & Recessed mounting

Installation

Fixed by dual-bend plaster-in aluminum profile and screw
(The bending method of the profile during use, should be determined based on the bending method of the neon strip.)



Make a groove with the size of W20*H15mm[W0.79*H0.59in.] on the mounting surface.

Fix the dual-bend plaster-in aluminum profile to the groove by screw.

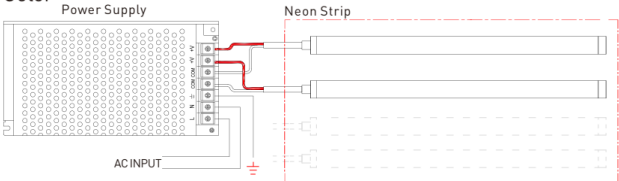
In addition to the neon strip, the areas on both sides of the illuminated surface should be plastered and dried before completion.

Press the neon strip into the dual-bend plaster-in aluminum profile.

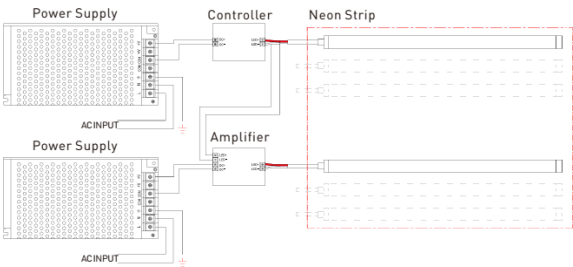
Attention: Aluminum profile can not be used in swimming pool.

Connection

Non-Dimming Status for Single Color

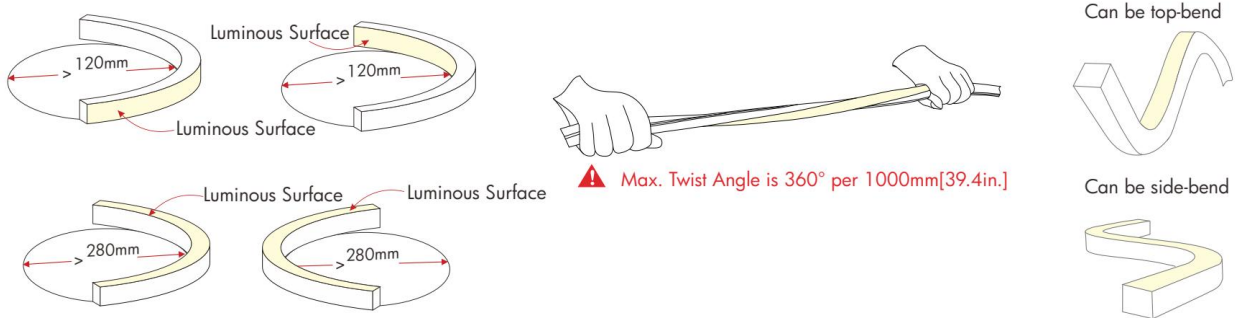


Dimming Status for Single Color



Note:

- Adopt suitable power supply with power is 20% higher than the max. power of luminary, to ensure long time performance of power supply.
- Do not install it when power is on. Before powering on, make sure the wiring is correct.
- Avoid privately changing or damaging the circuit or other component on the luminary.
- Avoid scrape, twist and irregular bend during installation, which might cause non repairable status for the luminary.
- Minimum bending diameter definition is 120mm for top-bend and 280mm for side-bend, too small bending diameter will break the luminary.
- Minimum twist degree is 360° per 1000mm.
- Luminary linked in over long length will lead to problem of overload or uneven brightness.
- To protect your eyes, do not stare at the luminary for a long time while it's illuminated.
- Only professional personnel can install, dismantle and repair.
- Bend and twist diagram is shown as below.
- The standard packing length is fixed by default per reel without installation accessories; customized packing length is required to be evaluated.
- Installation accessories pack should be ordered separately according to specific case.



Edition

Data is subject to change without notice.
Please contact us for detailed information.

Release Date	Issuance of Category
2025.07.01	The 1st. Version
2025.07.10	The 2nd. Version