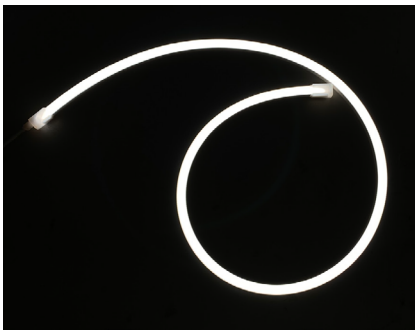
JOYOLIGHt

NE155

SPEC 2026-08



Material	Silicone
LED QTY	168 pcs / m
Max. Run w/o Voltage Drop	5 m
Min. Cuttable Length	Can be cut to any length
Bending Option	Side-bended
IP	68
Resistance	UV/Flame/Salt/Solvent
Working Temperature	-20°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
Lifespan	≥ 50000 hours
Certification	RoHS, cULus, TUV-CE

Project:

Qty:

Client:

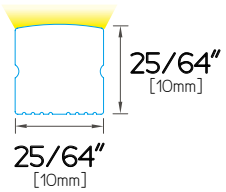
Date:

Note:

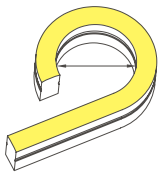
NE155	10	35	90	68	CUST
Model	**Width**	**CCT**	**CRI**	**IP**	**Length**
	10: 10mm	**27**: 2700K **30**: 3000K **35**: 3500K	**90**: 90+	**68**: IP68	**CUST**: Customize with Customer Service

Model	Voltage	Rated Power	CRI	CCT	Lumen	Beam Angle
NE155	24VDC	0.61 W/ft [2W/m]	90+	2700K	24.5 LM/ft [80.5 LM/m]	120°
				3000K	25.4 LM/ft [83.3 LM/m]	
				3500K	25.5 LM/ft [83.5 LM/m]	

Cross-section



Min. Bending Diameter
(Side-bend Only)



DC 24V · 120° · IP68 · DIMMABLE · FLAME RESISTANT · UV RESISTANT · SALTWATER RESISTANT · SOLVENT RESISANT · 5Years

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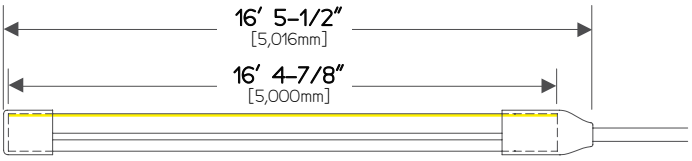
Five-year warranty
Contact us for complete terms and conditions.

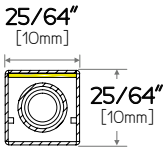
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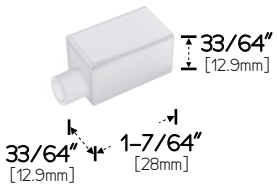
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647-496-8107 (CA)

Wire Kit

LINE FEED

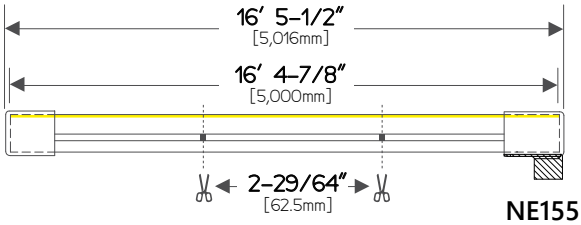


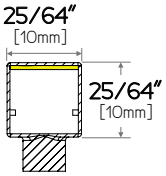


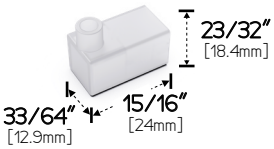


NE155-RR
End Cap - REAR

BOTTOM FEED

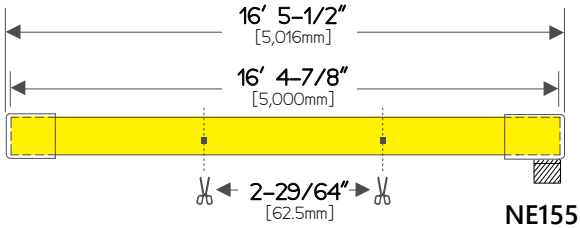


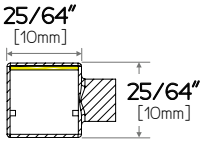


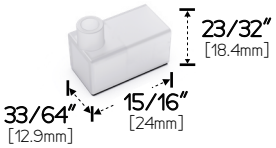


NE155-BT
End Cap - BOTTOM

SIDE FEED (LEFT)

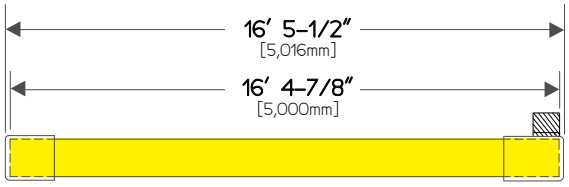


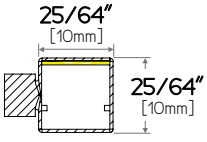


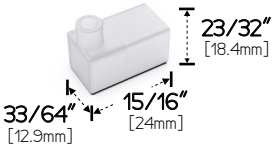


NE155-SDL
End Cap - SIDE (LEFT)

SIDE FEED (RIGHT)







NE155-SDR
End Cap - SIDE (RIGHT)

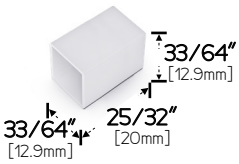
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Five-year warranty
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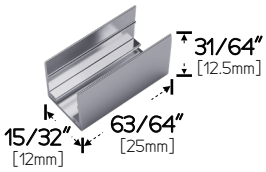
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Accessory



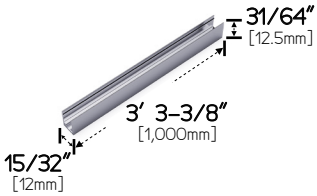
NE155-EC
End Cap



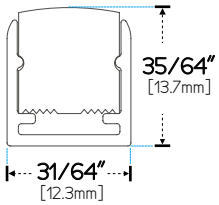
NE155-BR
Mounting Bracket



NE155-GE
Silicone Adhesive



NE155-RC
Aluminum Rigid Channel



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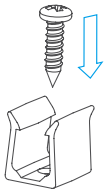
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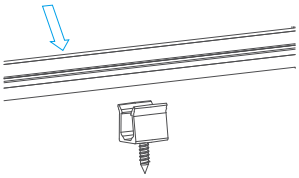
Clip Installation

1.



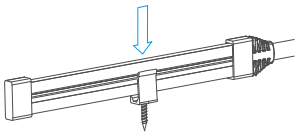
Fix the clip with a screw

2.



Put the strip into the clip

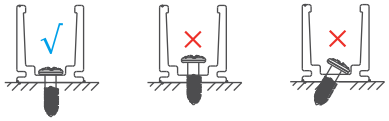
3.



Finished

NOTE:

- When soldering, ensure that the positive and negative wires are connected to the corresponding terminals on the LED strip.
- Apply approximately 10 g of silicone sealant to each connection point to provide proper waterproofing and electrical insulation.
- Install all screws perpendicular to the mounting surface and tighten them securely, as shown in the illustration on the right.
- Select the appropriate installation procedure based on the actual application and site conditions.
- During installation, observe the specified minimum bending diameter to prevent damage to the product. The use of original factory accessories is strongly recommended.
- For additional information or technical assistance, please contact our customer service team.

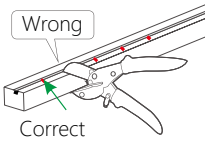


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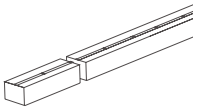
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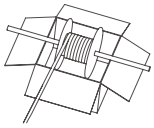
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Cutting line marks



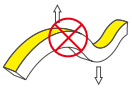
Neat and smooth cut



Insert stick through reel on box for easy product access



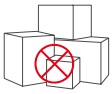
Keep products neatly stacked



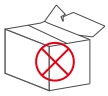
No top-bend



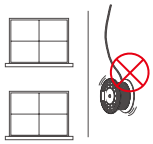
Side-bend allowed



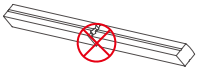
Do not pile randomly or too high



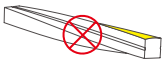
Do not violently unpack



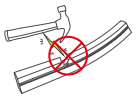
No throwing from height



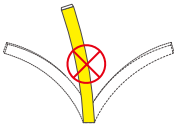
Ensure smooth and vertical cuts



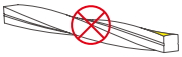
Avoid twisting



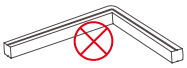
Prevent sharp objects from touching or puncturing the product



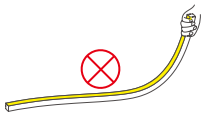
Avoid repeated bending to prevent circuit damage



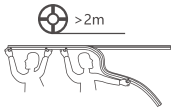
No twisting or kinking



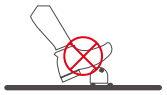
Avoid right-angle bends



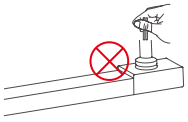
No swinging or pulling



At least two persons are required to install products longer than 2m



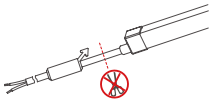
No tramping



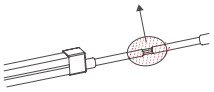
Do not pull the outlet wire



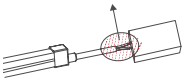
No pulling



Do not cut the wire connecting the waterproof ring to the product



Waterproofing is needed for wire connections and sections



Waterproofing is needed for device connections and wire cross-sections

NOTE:

- Cutting marks are indicated on the PCB.
- Please follow the above precautions carefully during transportation, handling, and use.

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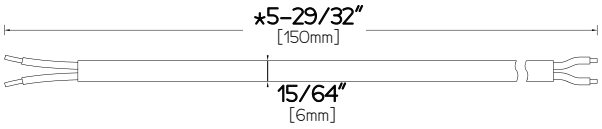
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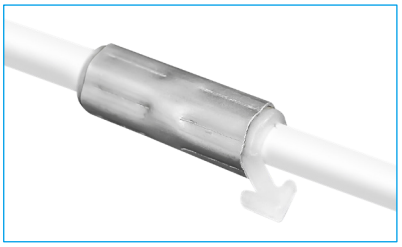
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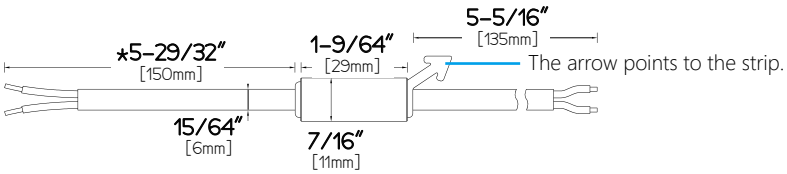
Wire Specification

General Wire





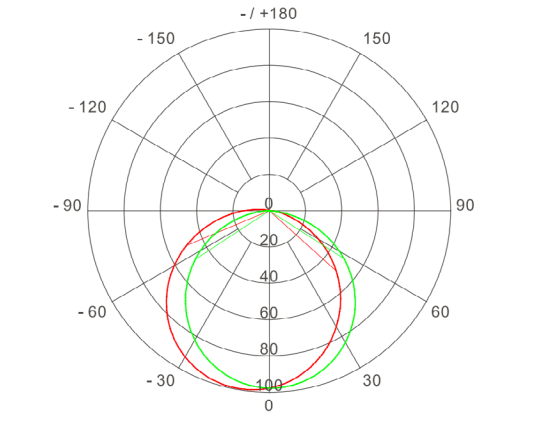
Wire with anti-wicking ferrule



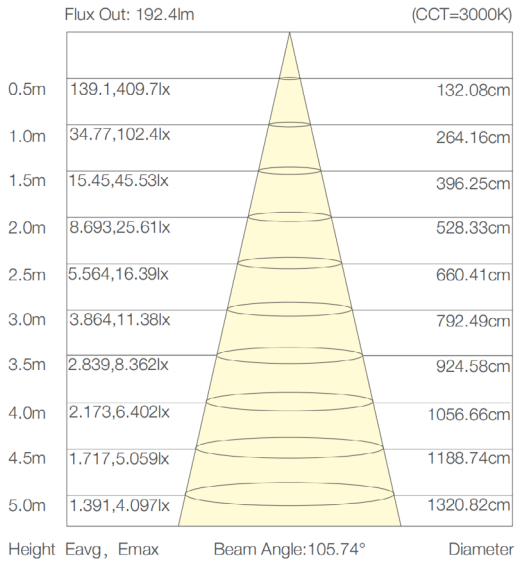
NOTE:

- You may use either of the two wire options shown above.
- Available with 2, 3, 4, or 5 cores.
- Wire lengths marked with an asterisk (*) can be customized.
- Do not immerse the ferrule in water, as prolonged exposure may cause oxidation.
- Do not disassemble, modify, or reprocess the ferrule. Any damage or failure resulting from unauthorized modification will not be covered by warranty.

Luminaire Photometric Distribution



AVERAGE BEAM ANGLE(50%): 114.6°



Single color @ CCT 6000K
Luminous flux and power tolerance: ±10%

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647-496-8107 (CA)

Safety Instructions

- Do not disassemble, modify, or retrofit the product.
- Do not touch or scratch the product surface with sharp objects.
- Disconnect the power supply before installation, maintenance, or servicing. Never perform live electrical work, particularly on high-voltage products.
- Do not expose the product to organic solvents or other incompatible chemicals.
- When adhesive fixation is required, use a neutral-cure silicone sealant. After application, allow the sealant to cure in a well-ventilated environment for at least 4 hours.
- During installation, properly insulate and protect all unused wire ends, terminals, and circuit connection points against water and corrosion.
- If the power cable must be extended, use wire rated at 18 AWG (0.75 mm^2) or larger to reduce the risk of overheating and excessive voltage drop.
- Before switching on the product, verify that the input voltage meets the specified requirements and that all wiring connections are correct.
- This product is intended for signage applications and must not be used as a general lighting product.
- Do not exceed the specified maximum run length when connecting multiple sections in series.
- The power cable between the power supply and the LED strip should not exceed 2 m. Excessive cable length may cause voltage loss and uneven brightness.
- Installation, maintenance, and repair must be performed by a qualified technician.

Statements

- If the external wiring or main power cable is damaged, repairs must be carried out by a qualified technician or the supplier.
- The technical parameters provided in this manual are typical values and are intended for reference only.
- All illustrations and drawings are provided for reference and may not represent the product exactly.
- Product specifications and designs are subject to change without prior notice.

Recycling

- This LED lighting product is classified as electronic equipment.
- At the end of its service life, dispose of or recycle it in accordance with applicable local regulations and the relevant WEEE Directive.

Version	Content Update	Date
V1.0	First version created	2025-06
V1.1	Layout modification	2026-02
V2.0	Layout update and CRI update	2026-08-07

Joyolight reserves the rights change our products and specifications at anytime without prior notice and such modification shall be effective immediately.
Contact Joyolight for the latest product information.

Five-year warranty
Contact us for complete terms and conditions.

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