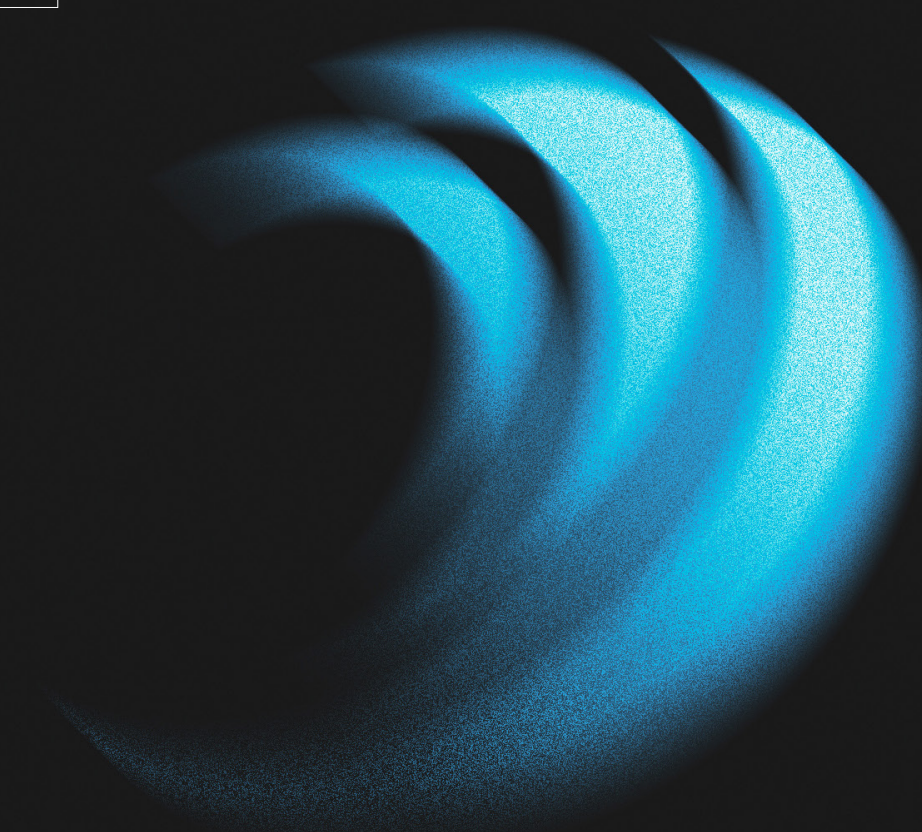


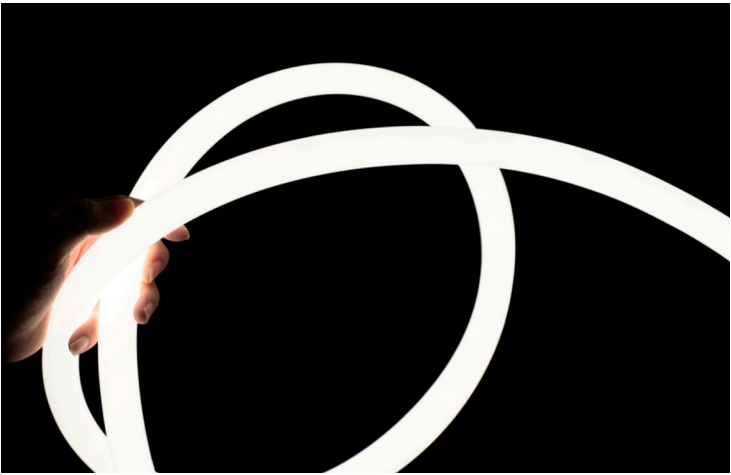


# LED NEON

DC 24V  
360° LIGHT EMITTING

**NCR23L**





NCR23L | 360° Light Emitting, Long Run Design

FEATURES

- Color options: Single color.
- One power end 10m max run.
- Strong weather resistance.
- 360° light-emitting with good flexibility.
- Warranty: 3 years.
- Customization: multiple spec options, can be customized upon requirements.



OPTICAL & ELECTRICAL PARAMETERS

| Model No.           | Voltage | Ra  | Color | Lm/m | Lm/W | W/m  |
|---------------------|---------|-----|-------|------|------|------|
| NCR23L-Single color | 24V DC  | >90 | 3500K | 1545 | 107  | 14.4 |
|                     |         |     | 4000K | 1507 | 104  |      |
|                     |         |     | 5000K | 1503 | 104  |      |
|                     |         |     | 6500K | 1506 | 104  |      |

OTHER PARAMETERS

| Model No.           | LED Qty (pcs/m) | Max Run (m) | Min. Cutting Unit (mm) | Bending Diameter (mm) |
|---------------------|-----------------|-------------|------------------------|-----------------------|
| NCR23L-Single color | 336             | 10          | 83.33                  | 120                   |

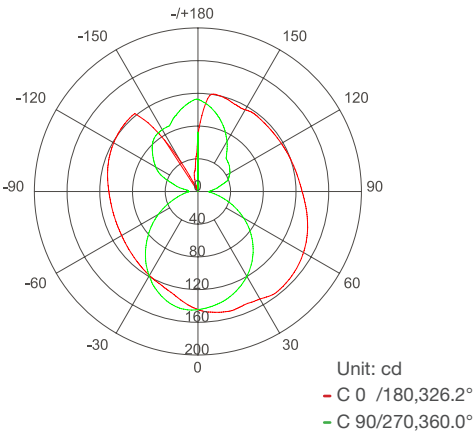
Working Temperature: -25~+60°C      Storage Temperature: -25~+70°C      Storage Temperature: Max run is based on one end power feed.

RECOMMENDED POWER SUPPLY UPON WORKING LENGTH

| Model No.           | Working Length (m) | Current (A) | Voltage (V) | Measured Power (W) | Recommended Power Supply (W) | Power Supply Mode |
|---------------------|--------------------|-------------|-------------|--------------------|------------------------------|-------------------|
| NCR23L-Single color | 1                  | 0.59        | 24          | 14.16              | 25                           | Single Feed       |
|                     | 10                 | 5.70        | 24          | 136.8              | 200                          | Single Feed       |

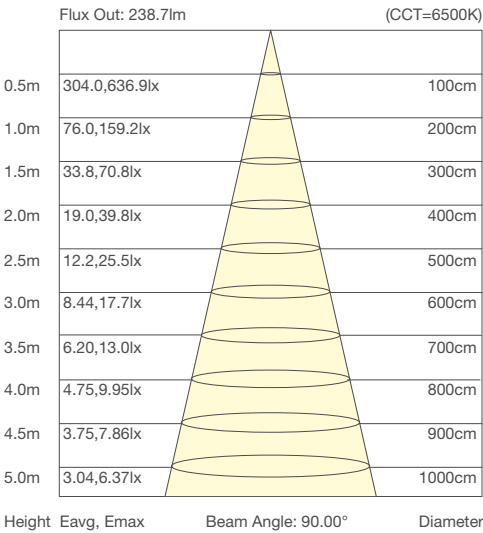
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

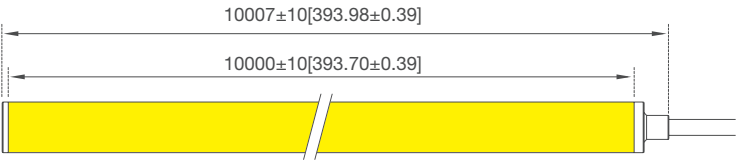
AVERAGE ILLUMINATION



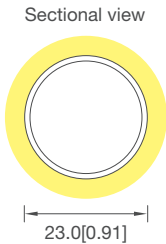
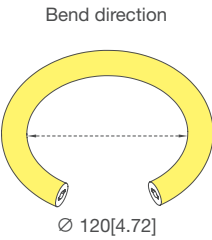
AVERAGE BEAM ANGLE(50%): 343.1°

Note: the above data is based on NCR23L at 6500K. For other data, please consult sales rep.





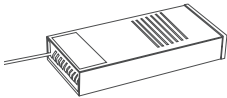
Note:  
 Within 10m, customizable lengths are multiples of the min cuttable length.



PRODUCTS AND TOOLS



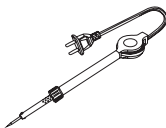
Cutter



LED power supply



Electric drill



Electric iron

PRODUCT ACCESSORIES

ASY-NCR23-N00NNH-EC



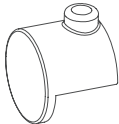
|                 |                   |
|-----------------|-------------------|
| Item ▶          | Front cap         |
| Order number ▶  | 01.06.10602001146 |
| Dimensions ▶    | Ø 23*14mm         |
| Free/Optional ▶ | Free              |

ASY-NCR23-N00NNX-EC



|                 |                  |
|-----------------|------------------|
| Item ▶          | Closing End-cap  |
| Order number ▶  | 01.06.KL20060302 |
| Dimensions ▶    | Ø 23*3mm         |
| Free/Optional ▶ | Optional         |

ASY-NCR23-N00NNS-EC



|                 |                  |
|-----------------|------------------|
| Item ▶          | Aluminum groove  |
| Order number ▶  | 01.06.KL20111601 |
| Dimensions ▶    | 18.5*22.7*26.3mm |
| Free/Optional ▶ | Optional         |

ASY-NCR23-P1NN0020-MT



|                 |                      |
|-----------------|----------------------|
| Item ▶          | PC Groove (20mm)     |
| Order number ▶  | 01.06.KL201113010020 |
| Dimensions ▶    | 20*26*24mm           |
| Free/Optional ▶ | Optional             |

ASY-NCR23-P3NN1000-MT



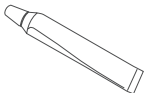
|                 |                      |
|-----------------|----------------------|
| Item ▶          | PC Groove (1000mm)   |
| Order number ▶  | 01.06.KL201113011000 |
| Dimensions ▶    | 1000*26*21mm         |
| Free/Optional ▶ | Optional             |

PA3



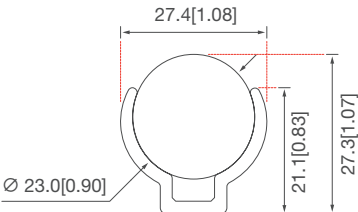
|                 |                  |
|-----------------|------------------|
| Item ▶          | Screws           |
| Order number ▶  | 01.07.022020A011 |
| Dimensions ▶    | PA3*10mm         |
| Free/Optional ▶ | Optional         |

WR-7516



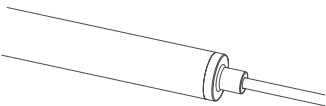
|                 |                  |
|-----------------|------------------|
| Item ▶          | Silicone Glue    |
| Order number ▶  | 01.10.0220000187 |
| Dimensions ▶    | 45g/pc           |
| Free/Optional ▶ | Optional         |

Profile Drawings (neon + installation accessories)

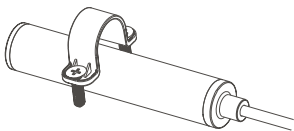


PC Groove  
 ASY-NCR23-P1(P3)NNXXX-MT

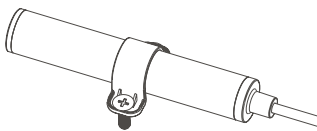
INSTALLATION



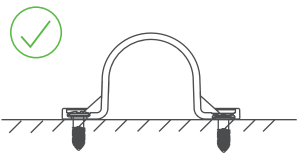
Put the neon strip on the installation surface



Fix the plastic clips on the neon light



Firmly screw the neon light on the installation surface



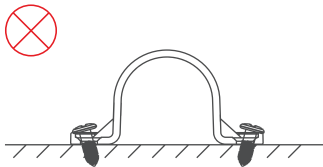
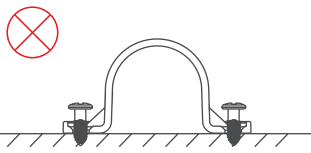
Notes:

The screws must be vertical to the mounting surface and be fastened, as shown in the figure on the right;

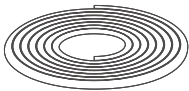
Please choose suitable operation steps according to the actual needs;

During mounting, please pay attention to the min bending diameter, and best to use original factory accessories;

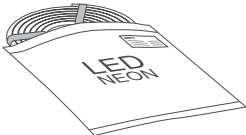
More information, please feel free to consult us;



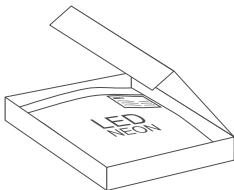
PACKAGING INFORMATION



Roll up the product



Wrap it tightly with PE film and then put into a aluminum foil bag;



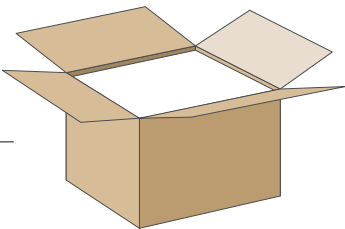
Put the bag into a box;



Use packing belt to pack. Add edge protectors if necessary



Seal and label the carton;



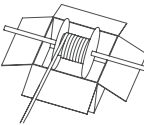
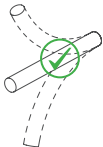
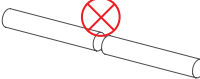
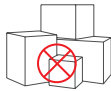
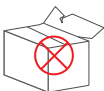
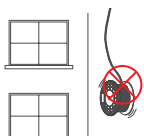
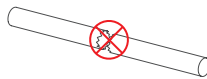
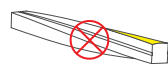
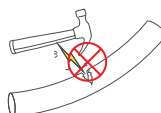
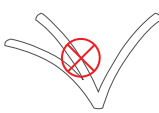
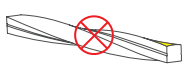
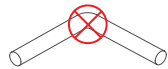
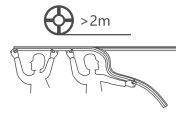
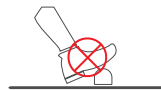
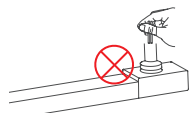
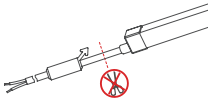
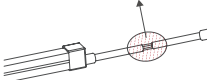
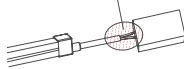
Put the boxes into a carton

| Model No.           | Product Size (mm) | Carton Size (mm) | Meter/Reel | Reel/Carton | Gross Weight (kg) |
|---------------------|-------------------|------------------|------------|-------------|-------------------|
| NCR23L-Single color | 10000* Ø 23       | 505*505*150      | 10         | 3           | 16.70 (1±10%)     |

Notes:

- For other customized length packaging, please ask our sales rep.
- The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

## WARNING MARK

|                                                                                                                                                              |                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                                                        |                                                                                                                                             |                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  <p>Insert stick through reel on box for easy product access.</p>           |  <p>Top bending</p>                                                  |  <p>Side bending</p>                                                              |  <p>Do not make cuts.</p>                                            |  <p>Do not pile randomly or too high.</p>                |  <p>Do not violently unpack.</p> |
|  <p>No throwing from height.</p>                                             |  <p>Ensure smooth and vertical cuts.</p>                             |  <p>Avoid twisting.</p>                                                           |  <p>Prevent sharp objects from touching or puncturing the product</p> |  <p>Avoid repeated bending to prevent circuit damage</p> |  <p>No twisting or kinking</p>   |
|  <p>Avoid right-angle bends</p>                                              |  <p>No swinging or pulling</p>                                       |  <p>Product longer than 2m, at least two employees are required.</p>              |  <p>No trampling</p>                                                  |  <p>Do not pull the outlet wire.</p>                     |  <p>No pulling</p>               |
|  <p>Do not cut the wire connecting the waterproof ring to the product.</p> |  <p>Waterproofing is needed for wire connections and sections.</p> |  <p>Waterproofing is needed for device connections and wire cross-sections.</p> |                                                                                                                                                        |                                                                                                                                             |                                                                                                                     |

Note: ☐ There are cutting marks on the PCB; ☐ Please pay attention to above warnings during transportation and using;

## ATTENTIONS BEFORE INSTALLATION

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have waterproof and anti-corrosive treatment.

## WARNING

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm<sup>2</sup> cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

STATEMENTS AND RECYCLING

Statements

- Repair should be operated by a qualified technician or supplier, if the external circuit or main line of this product is damaged.
- The parameters given in this manual are typical values and for reference only
- All illustrations and drawings in this manual are for reference.
- This product is subject to change without notice.

Recycling

- LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.

| Version | Content       | Date     |
|---------|---------------|----------|
| A1.0    | First release | 2024-5-7 |

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