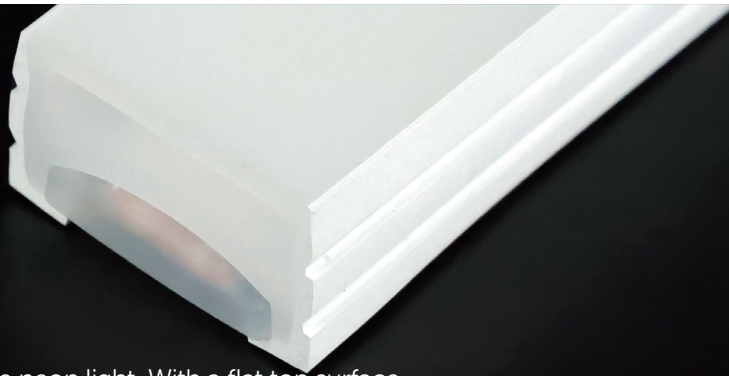
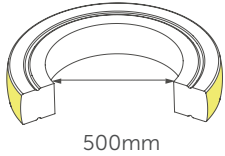


VNL-F40F-24

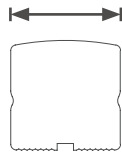
Front bending, 40mm wide neon light. With a flat top surface.



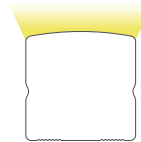
Frontbending



40mm



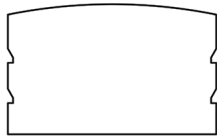
Flat surface



24V(DC)



COVER OPTIONS




VNL-F40F-24-C

Standard cover, with uniform 40mm wide illuminated surface

Color Options

-  - White
-  - Grey (Pantone 2332c)
-  - Light Grey (Pantone 3C)
-  - Brown Grey (Pantone 5C)

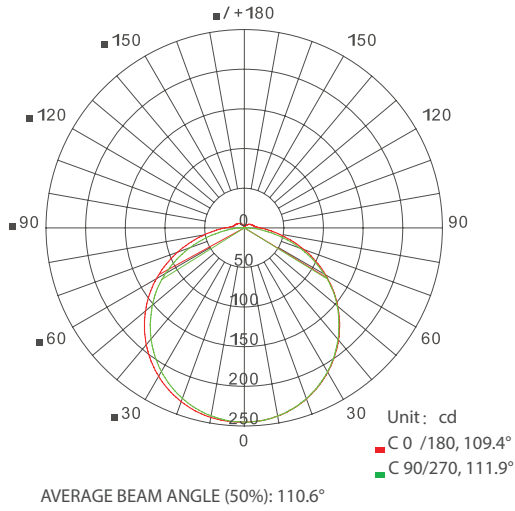
PRODUCT SPECIFICATION

| SKU | Beam angle | Control type | Color type | Output color | Lm/M | Lm/W | W/M | CRI | |
|-----------------------------|------------|--------------|--------------|---------------------------|---------------------------------------------------------------------------------------|---------|--------|-------|----|
| VNL-F40F-24-LE-27K | 120,00 | PWM | Single Color | 2700 |  | 1276,00 | 68,00 | 19,00 | 95 |
| VNL-F40F-24-LE-30K | 120,00 | PWM | Single Color | 3000 |  | 1276,00 | 68,00 | 19,00 | 95 |
| VNL-F40F-24-LE-35K | 120,00 | PWM | Single Color | 3500 |  | 1240,00 | 67,00 | 19,00 | 95 |
| VNL-F40F-24-LE-40K | 120,00 | PWM | Single Color | 4000 |  | 1240,00 | 67,00 | 19,00 | 95 |
| VNL-F40F-24-LE-45k | 120,00 | PWM | Single Color | 4500 |  | 1276,00 | 67,00 | 19,00 | 95 |
| VNL-F40F-24-LE-50K | 120,00 | PWM | Single Color | 5000 |  | 1276,00 | 67,00 | 19,00 | 95 |
| VNL-F40F-24-LE-60K | 120,00 | PWM | Single Color | 6000 |  | 1276,00 | 67,00 | 19,00 | 95 |
| VNL-F40F-24-LE-65K | 120,00 | PWM | Single Color | 6500 |  | 1276,00 | 67,00 | 19,00 | 95 |
| VNL-F40F-24-LE-DMX-RGBW-30K | 120,00 | DMX | RGBW | Red,Green,Blue,3000 |  | 460,00 | 22,00 | 20,00 | 95 |
| VNL-F40F-24-LE-DMX-RGBW-45K | 120,00 | DMX | RGBW | 4500,Red,Green,Blue |  | 460,00 | 22,00 | 20,00 | 95 |
| VNL-F40F-24-LE-RGBTW-27K60K | 120,00 | PWM | RGBTW | 2700,6000,Red,Green, Blue |  | 1235,00 | 61,00 | 20,00 | 95 |
| VNL-F40F-24-LE-TW-27K65K | 120,00 | PWM | TW | 2700,6500 |  | 2261,00 | 108,00 | 21,00 | 95 |

BASIC PARAMETERS

| Model No. | Max Length | Cutability | Px/M | Led/Px | Led/M |
|-------------------------|------------|------------|------|--------|-------|
| VNL-F40F-24-LE | 10 | 33 | | | 240 |
| VNL-F40F-24-LE-TW | 10 | 55 | | | 240 |
| VNL-F40F-24-LE-RGBTW | 10 | 50 | | | 120 |
| VNL-F40F-24-LE-RGBW DMX | 10 | 100 | 10 | 12 | 120 |

LIGHT INTENSITY DISTRIBUTION DIAGRAM



| | | | | |
|-----------------|-------------------|---------------------|--------------|----------------|
| CE | RoHS | IP68 | IK10 | 3Years OUTDOOR |
| FLAME RESISTANT | SOLVENT RESISTANT | SALTWATER RESISTANT | UV RESISTANT | 5Years INDOOR |

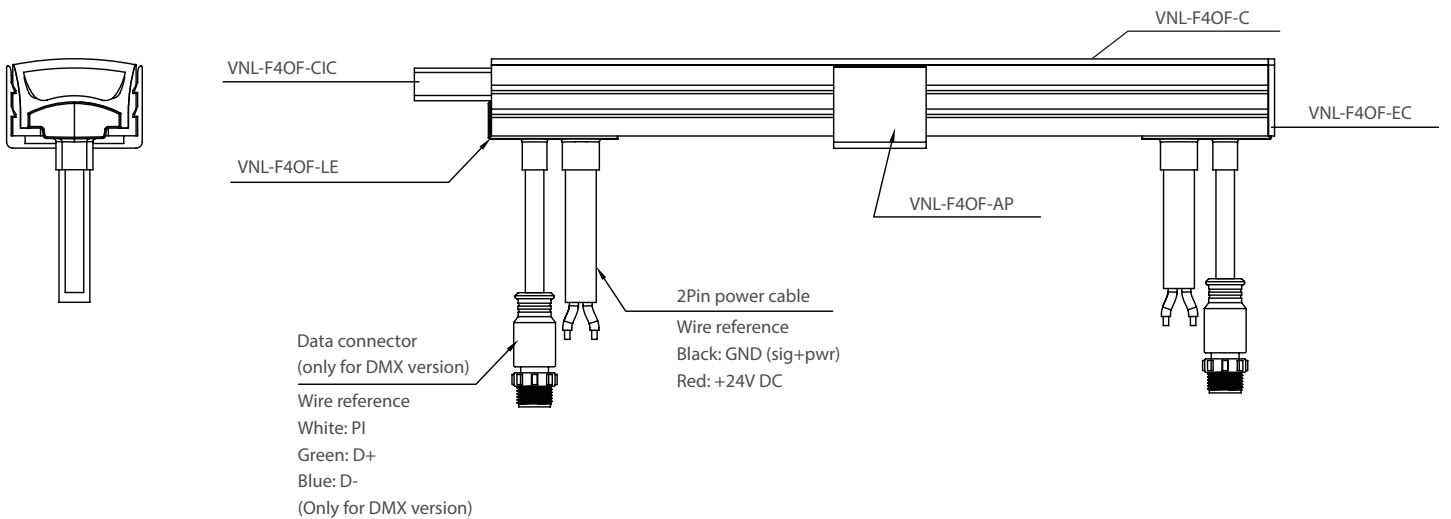
Storage Temperature: -20~+70°C

Working Temperature: -20~+60°C

Note: the above two figures are tested with the sample VNL-F40F-LE-40K using the standard VN-F40F-C-W silicon cover. For other data, please consult sales rep.

TECHNICAL DRAWING

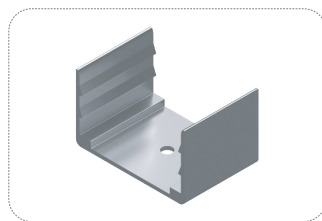
Unit: mm



PRODUCT ACCESSORIES

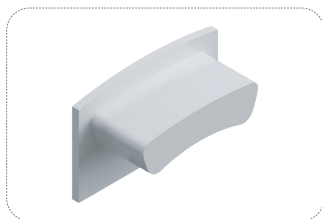


Cover Connector
VNL-F40F-24-CIC

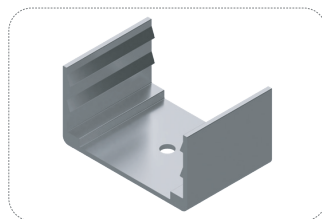


Clip
VNL-F40F-24-AP

Standard mounting profile.
Recommended for when the profile is visible.

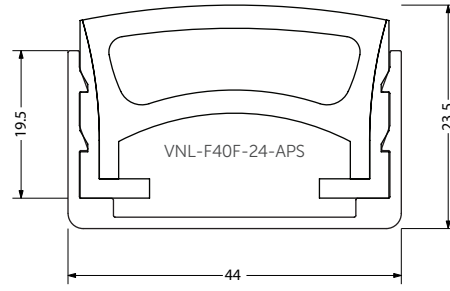
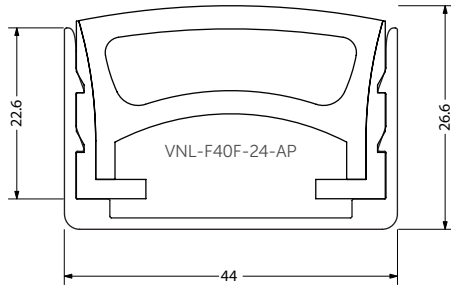


End Cap
VNL-F40F-24-CEC



Clip V2
VNL-F40F-24-APS

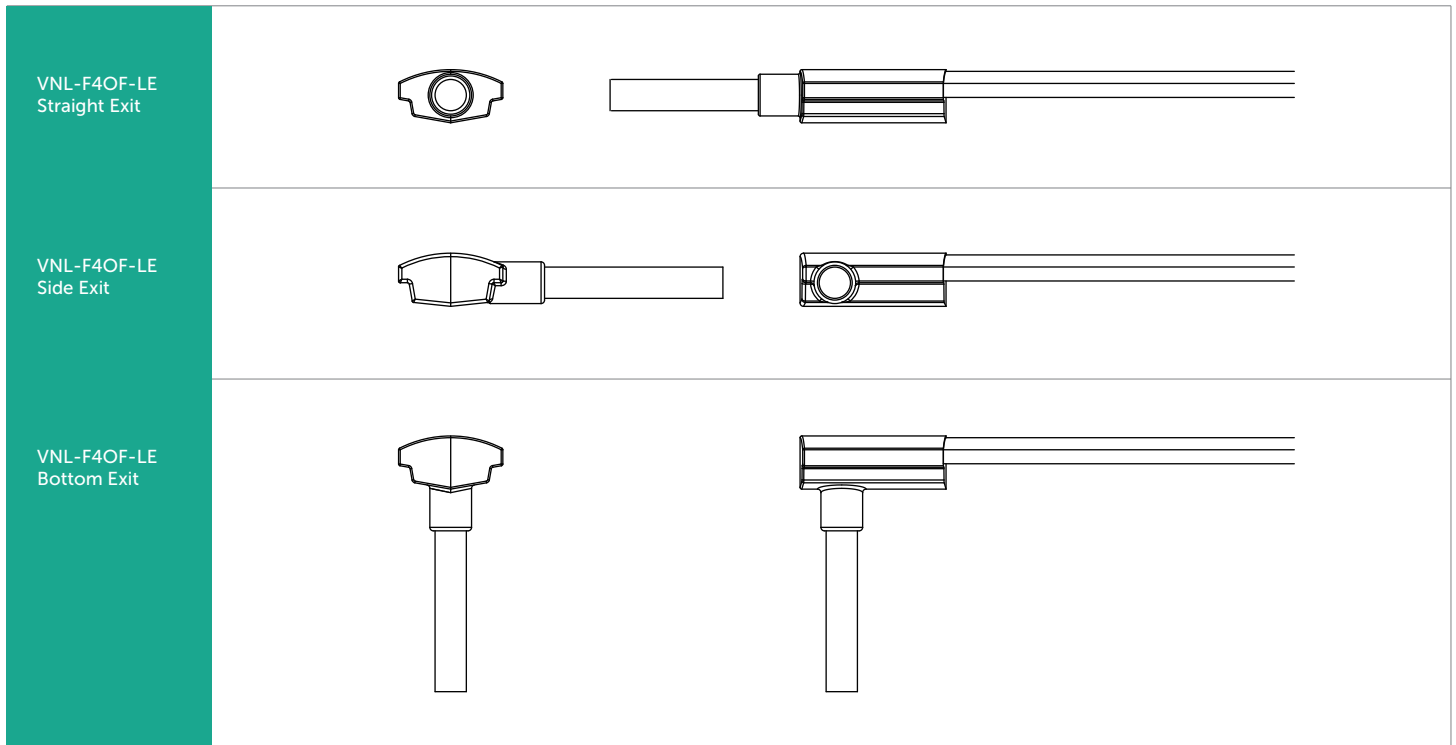
Slim mounting profile.
Recommended for recessed installation.



| Model No. | Material & Finish | Width (mm) | Hight (mm) | Length (mm) |
|----------------------|-------------------|------------|------------|-------------|
| VNL-F40F-24-AP-30 | Aluminium, Satin | 44 | 26.6 | 30 |
| VNL-F40F-24-AP-100 | | | | 100 |
| VNL-F40F-24-AP-1000 | | | | 1000 |
| VNL-F40F-24-AP-1500 | | | | 1500 |
| VNL-F40F-24-AP-2000 | | | | 2000 |
| VNL-F40F-24-APS-30 | Aluminium, Satin | 44 | 23.5 | 30 |
| VNL-F40F-24-APS-100 | | | | 100 |
| VNL-F40F-24-APS-1000 | | | | 1000 |
| VNL-F40F-24-APS-1500 | | | | 1500 |
| VNL-F40F-24-APS-2000 | | | | 2000 |

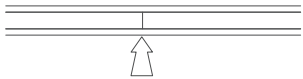
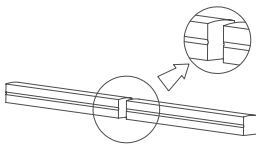
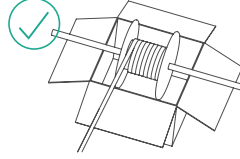
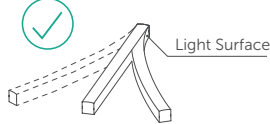
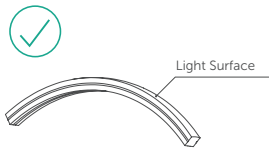
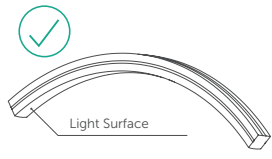
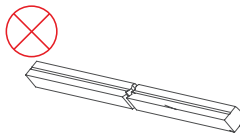
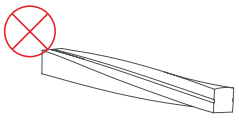
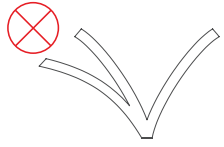

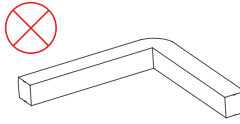

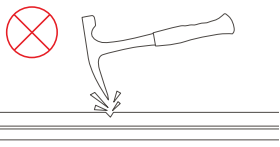
Note: The profile length is changeable according to customers' needs

WIRING



- Notes:
1. You can choose one of the above wire options.
 2. The wire length marked with '*' supports customization.
 3. The anti-wicking ferrule needs to be above water for any underwater applications. Do not disassemble or reprocess the ferrule; otherwise, we will not be responsible for the consequences.

INSTALLATION GUIDE

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Cuttable identifier</p> |  <p>Neat and smooth cut</p> |  <p>Insert a stick on the reel and place it on the packing box, and rotate the reel to get the product.</p> |  <p>Side bending</p> |
|  <p>use in convex direction</p> |  <p>use in concave direction</p> |  <p>Do not make irregular cuts.</p> |  <p>Do not use in distortions</p> |
|  <p>Do not bend many times, for it can endanger electronic lines.</p> |  <p>Do not use on wringing (twist)</p> |  <p>Do not bend at right angles</p> |  <p>Do not throw or pull when taking products</p> |
|  <p>Avoid touching sharp objects</p> | <p>Notes: There are cutting marks on the FPCB; Please pay attention to the above warnings during transportation and mounting; If the product is pierced by sharp objects, leading to quality issues, our company bears no responsibility.</p> | | |

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 (0.75mm² 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.

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.

STATEMENTS AND RECYCLING

Packaging information

- 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.

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May 2025

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