

USER MANUAL

LED NEON RIBBON LIGHT

F10

PLEASE READ THESE INSTRUCTIONS CAREFULLY
BEFORE INSTALLATION LEAVE A COPY FOR THE
END USER/MAINTENANCE ENGINEER FOR FUTURE
REFERENCE

FEATURES

1. Model: C-FR-F10-DC24V
2. Rated input voltage: DC 24V
3. Rated Power: 5W/m
4. Dimension: 9*18mm
5. LED quantity: 72LEDs/mtr
6. LED Spacing: 13.88mm
7. Min. cutting length: 83.3mm (6LEDs)
8. Max. running length:
15 mtrs for single end feed or 30mtrs for double ends feed.
9. Light color: Single Color
(Green/Blue/Warm White/White/Cool White/Daylight White)
10. Min. bent diameter: 90mm
Do not twist the light .
11. Protection rate: IP68
12. Protection rate for IP68: Protected against dust and submersion in water (1meter above).
NOTE: All connector joints must be connected correctly to achieve IP68 rating
13. Can be cut and extended
14. Long lifetime: 5 years
15. Working ambient temperature: -20°C~45°C
16. Operating(bending) ambient temperature: 0°C~45°C

ACCESSORIES(SALE SEPARATELY)

Single End Connection Application Accessories Kit

Front Connector Accessories Kit

01 (or 02) Front Connector	1 pc
Silicon Gasket	1 pc
U Steel Plate	1 pc
Anti-skidding Clip	1 pc

End Cap Accessories Kit

The Tail Plug	1pc
U Steel Plate	1pc
Anti-skidding Clip	1pc
Silicon Gasket	1pc

WARNING AND CAUTION

WARNING

1. Before making any cuts, installation, maintenance or connection, be sure the mains is disconnected!
2. NOTE: ALL CONNECTOR JOINTS MUST BE CONNECTED CORRECTLY TO ACHIEVE IP68 RATING.
3. Please operate this flex light by instructions, and confirm the work voltage, it must be matched with product requirements
4. Please confirm the polarity of connector before insertion front connection cable.
5. Connect and cut this product correctly. Any wrong operation will damage this product.
6. No pressing on this product during storage, long term pressing may lead to damage.
7. Using qualified DC power supply.
8. Min. bent diameter 90mm, see Fig. 1.
9. Do not twist the light as Fig. 2 and follow the correct bending way as Fig. 3.
10. Do not hang this light in sky as Fig. 4.
11. Cutting at wrong location will result in a failure of light! See Fig. 5.

CAUTION

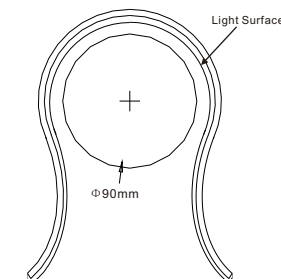
1. Suitable for mounting on normally flammable surfaces..
2. Use only factory-recommended connectors and accessories.
3. To ensure its long life span, operate the light properly in accordance with the instructions.
4. Do not operate in more than 45°C ambient temperature.
5. Assemble the DIY Connector correctly as Fig. 6.
6. Max. running length depends on the energizing way as Fig. 7 shown.
7. Warm White, Cool White and Daylight color reference ANSI STANDARD.
8. Do not operate light when ambient temperature is below 0°C that may injury the light .

ASSEMBLY AND INSTALLATION

1. Turn off the electricity before operation.
2. Cutting the light at correct location (if need) .
3. Assemble light according to Fig. 8.
4. Install U channel and light according to Fig. 9 .
5. Wiring all connectors to the power line and checking whole circuit wiring.
Cable color coding basics Refer to Fig. 10.

FIGURES

Fig. 1 Minimum bent diameter 90mm



Twist the light is forbidden and correct bending way

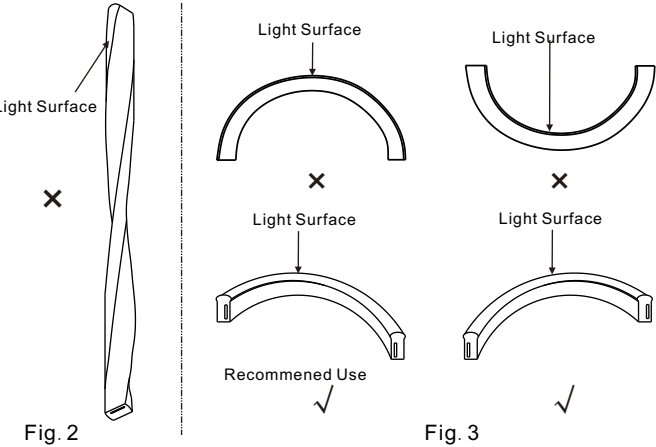


Fig. 4 Hang suspended installation as the picture illustrated is forbidden

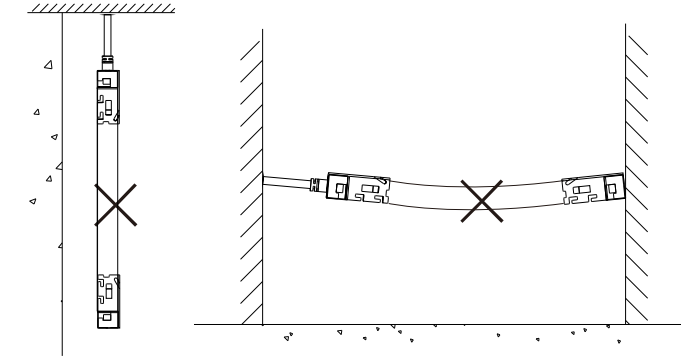


Fig. 5 Unit cutting guide

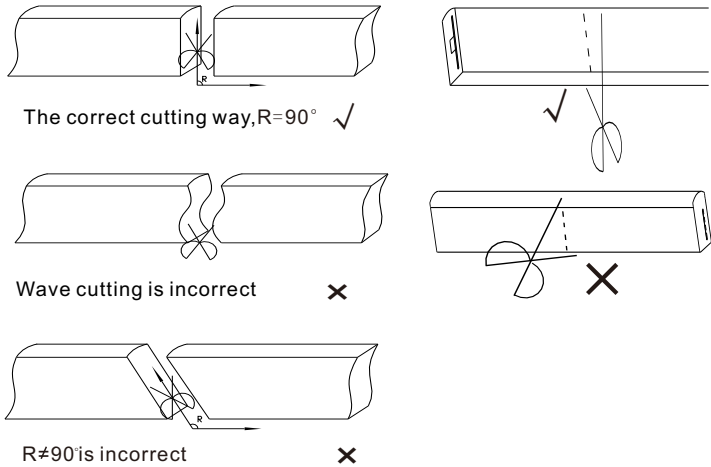
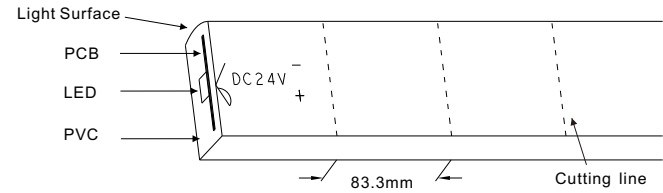
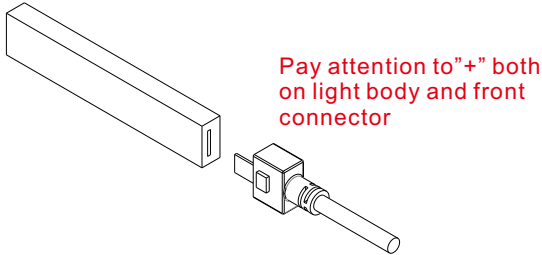
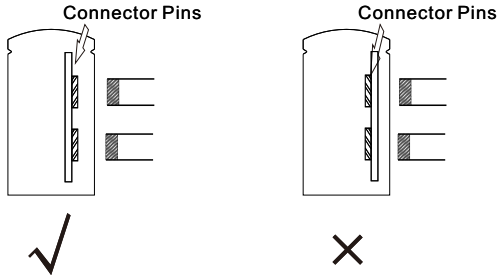


Fig. 6 Correct insert position of connector pins
(Only applicable to DIY accessories)



For 01 Type Front Connector



For 02 Type Front Connector

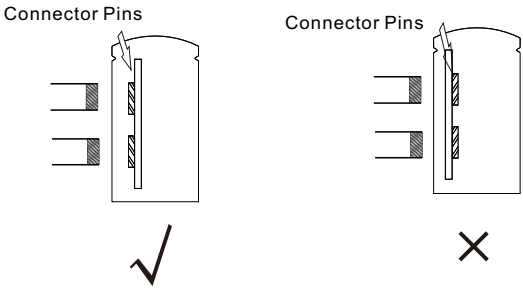
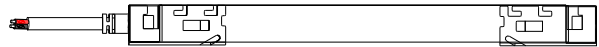


Fig. 7 Energizing Way

Single ends connection for Max. length 15m



Double ends connection for Max. length 30m

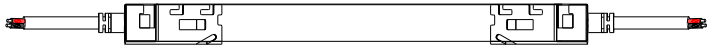
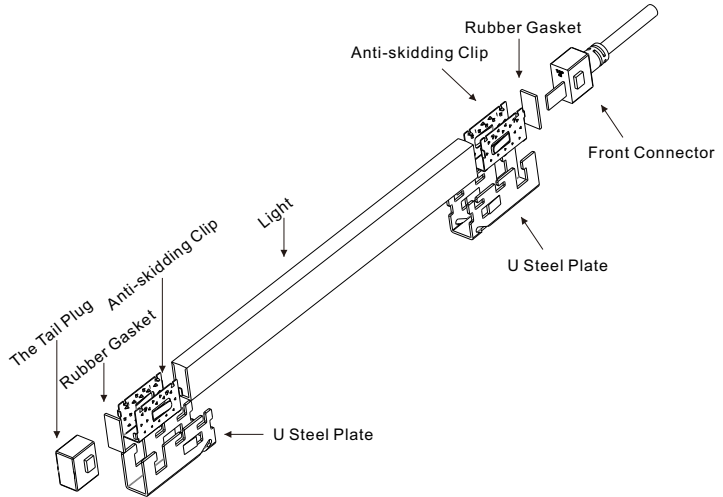
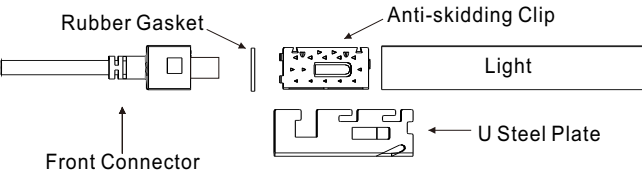


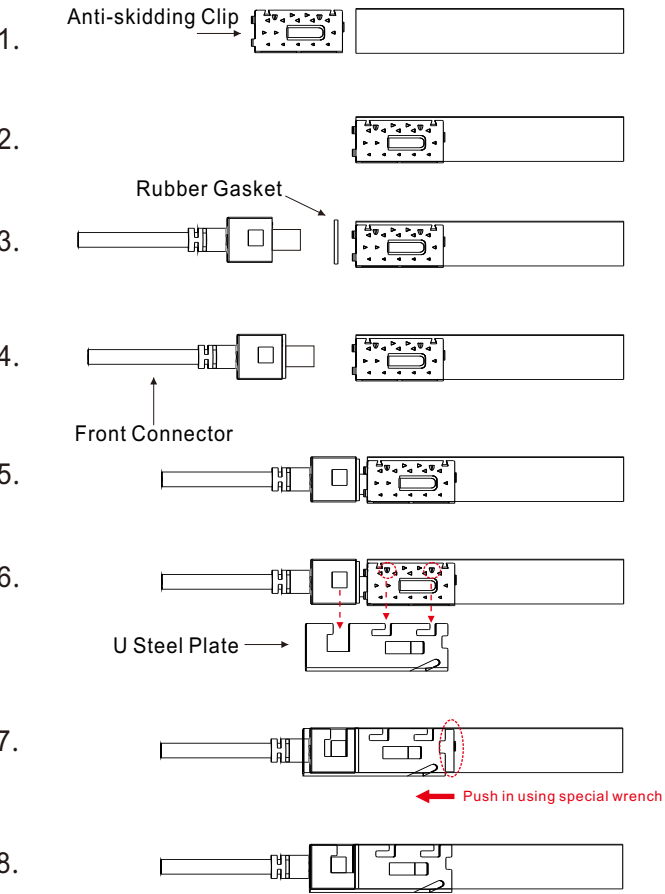
Fig. 8 DIY Connector Assemble
Diagram



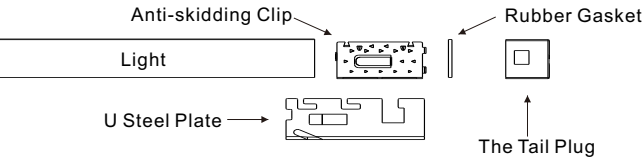
① Front Connector Assemble
Diagram



Step



② End Cap Connector Assemble
Diagram



Step

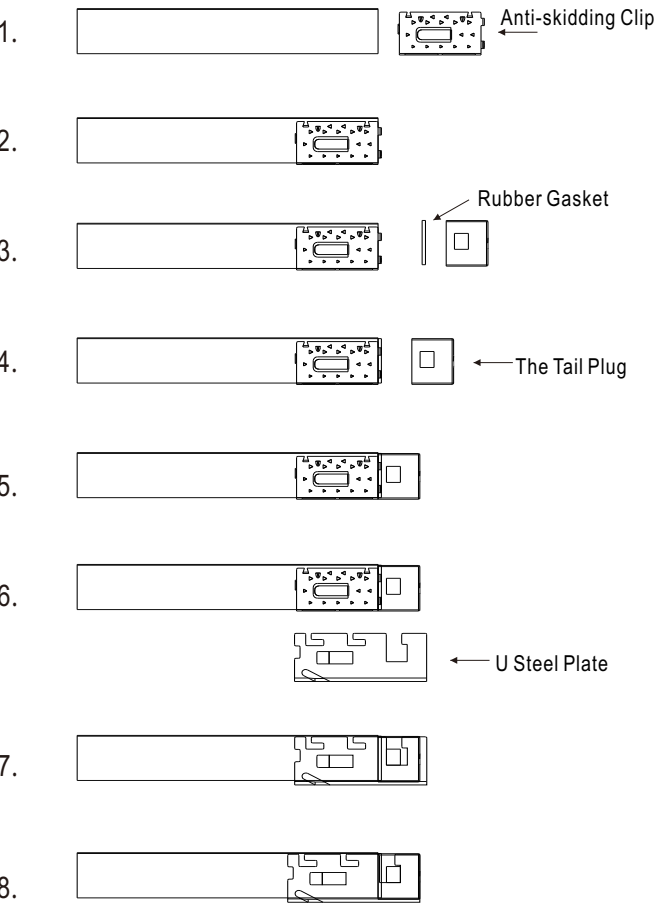
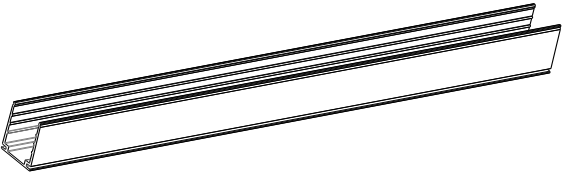


Fig. 9 Installation Guide



Aluminum U-channel Installation Guide

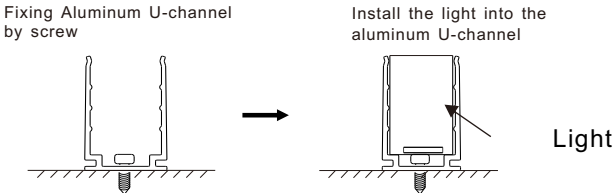
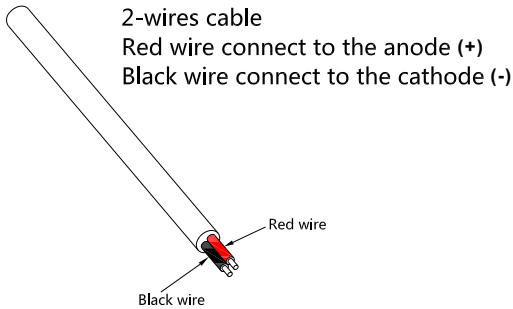


Fig. 10 Cable color coding basics



ANSI STANDARD

Nominal CCT Categories		
Nominal CCT	Target CCT and tolerance(K)	Target Duv and tolerance
2700K	2725 ± 145	0.000 ± 0.006
3500K	3465 ± 245	0.000 ± 0.006
4500K	4503 ± 243	0.001 ± 0.006
5700K	5665 ± 355	0.002 ± 0.006

GUARANTEE

1. We provide lifelong technical assistance with this product:
A 3 year warranty is given from the date of original purchase.
The warranty is for free repair or replacement and covers manufacturing faults only.
For faults beyond the 3 year warranty we reserve the right to charge for time and parts.
Advances technology for the will be selected firstly.
2. Warranty excludes below:
Any man-made damages caused from improper operation, assembly, wiring, connection, installation, transport and storage.
Improper input voltage, current, operating and working environment.
The product appears to have excessive physical damage.
Damage due to natural disasters and force majeure.
Product label or data code have been damaged.
3. Repair or replacement as provided under this warranty is the exclusive remedy to the customer.
We shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
4. Any amendment or adjustment to this warranty must be approved in writing by us only.
5. This manual only applies to this model. We reserves the right to modify the manual and keep the right to make final explanation of this manual.