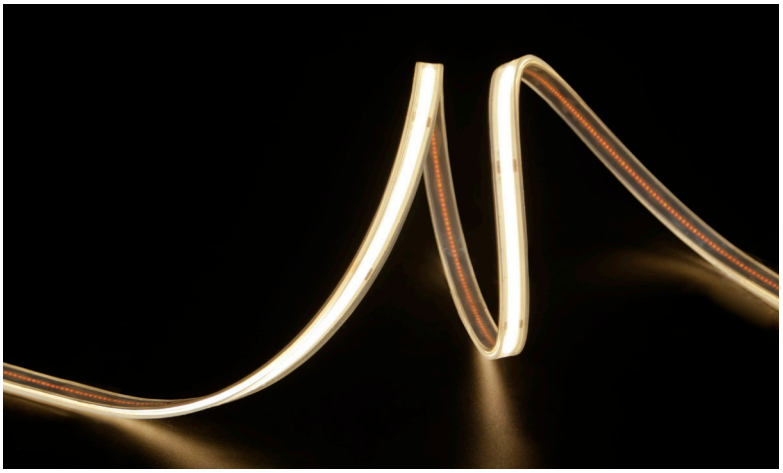


Version: **C1.2**

Features

- Color options: WN/RGB/RGBW
- Dot-free, no shadows, uniform luminance
- Top bending and easy to shape
- Linear illuminant with good environmental adaptability
- Can connect a dimmer
- Warranty: 5 years indoors, 3 years outdoors
- Multiple specifications, support customization

Optical & Electrical Parameters

Model No.	Voltage	Beam Angle	Ra	CCT/Wavelength	LM/m	LM/W	W/m
TWHE-FC-640-24-WN	24V DC	125°	>80	W: 2700K	1004	81.6	10.0
				N: 6300K	1046	93.7	10.0
				W+N	1927	89.9	20.0
TWHE-FC-840-24-RGB	24V DC	120°	/	Red	97	15.8	4.8
				Green	355	103.6	4.8
				Blue	68	15.4	4.8
				RGB	511	37.0	14.4
TWHE-FC-840-24-RGBW	24V DC	125°	>80	W: 2700K	334	67.1	5.0
			/	Red	76	14.5	5.0
				Green	401	85.8	5.0
				Blue	99	18.7	5.0
				RGBW	886	45.3	20.0

Other Parameters

Model No.	LED QTY	Standard Run	Min. Cuttable Length	Working Temperature	Storage Temperature
TWHE-FC-640-24-WN	640pcs/m	5000mm	50mm	-20~+60 °C	-20~+70 °C
TWHE-FC-840-24-RGB	840pcs/m	5000mm	50mm		
TWHE-FC-840-24-RGBW	840pcs/m	5000mm	33.33mm		

NOTE:

- The above data was measured under standard conditions and actual data may be different. We would update data without further notice.
- The luminous flux was tested while the corresponding-color products were lightened.
- UL max run refers to operating length at UL class II @100W.24V.
- Luminous flux values were measured accordance to IES LM-80-08. LED chips with tolerance range of +/- 10%.
- Each maximum-run requires a dedicated power feed from the driver. Do not exceed the recommended maximum run length. Max run may exceed Class 2 limits.
- Actual wattage may be different from the calculated wattage due to voltage drop while using.
- Actual efficacy value is determined by the specific LED driver (power supply). An estimated efficacy value can be calculated as follows: Luminous intensity divided by average power consumption.
- Do not install products in the conditions that exceed the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, luminous intensity output, and/or adversely impact color consistency.
- It is an advertising signage product. Please do not use it as main lighting.
- Cutting segments are marked on the profiles below.
- If the product power is greater than 15W, auxiliary heat dissipation appliances must be added.

Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Blueview ‘s TUV Innovation Lab.

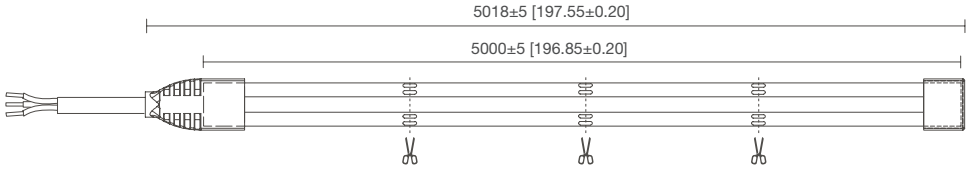
Compliance & Regulatory Approvals

CE	CE LVD	Standard: EN 60598-2-21: 2015; EN 60598-1: 2015; EN 62471: 2008; EN 62493:2015; EN 62031: 2015+A1: 2013+A2: 2015
CE	CE EMC	Standard: EN IEC 55015: 2019; EN IEC 61000-3-2: 2019; EN 61000-3-3:2013+A1: 2019;EN 61547: 2009
CB	CB	Standard: IEC 62031:2018
c UL us LISTED	UL LISTED	Standard: UL 2108 E354137-Low-voltage Lighting Systems, Power Units, Luminaires and Fittings
RoHS	RoHS	Standard: IEC62321

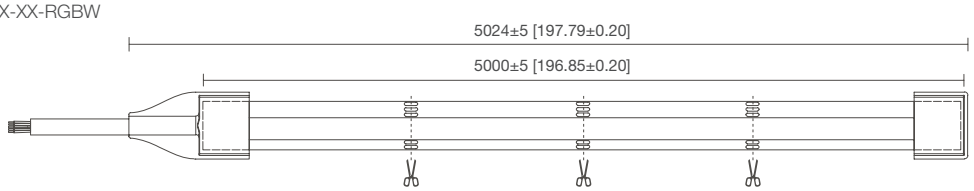
Profile Drawings

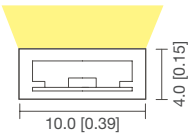
Unit: mm [inch]

XWHE-FC-XXX-XX-RGB

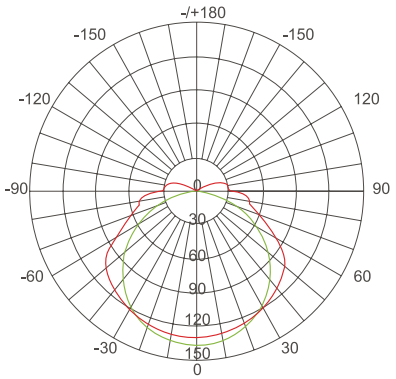


XWHE-FC-XXX-XX-RGBW





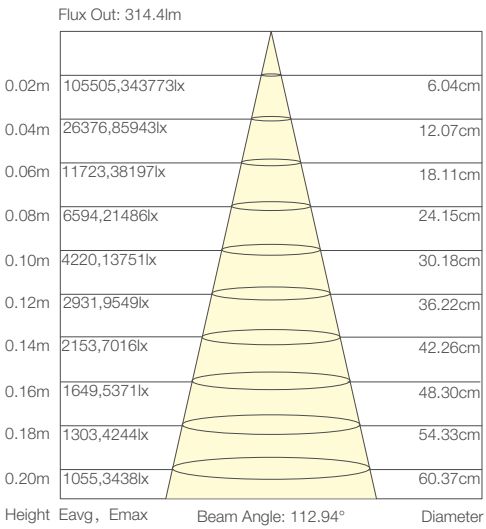
Luminous Intensity Distribution Diagram



Unit: cd
C 0 /180,133.8°
C 90/270,112.9°

AVERAGE BEAM ANGLE(50%): 123.3°

Average Illumination



Note: for other data,please consult sales rep.

Recommended power supply upon working length

TWHE-FC-640-24-WN

Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
1m	0.89 A	24V DC	21.43 W	30 W	Single Feed
5m	4.01 A	24V DC	96.43 W	130 W	Single Feed

TWHE-FC-840-24-RGB

Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
1m	0.57 A	24V DC	13.78 W	24 W	Single Feed
5m	2.58 A	24V DC	62.00 W	80 W	Single Feed

TWHE-FC-840-24-RGBW

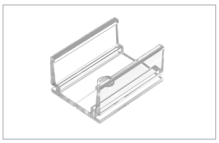
Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
1m	0.81 A	24V DC	19.55 W	30 W	Single Feed
5m	3.66 A	24V DC	87.97 W	120 W	Single Feed

Product accessories

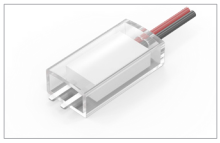
Item: Front cap
Model No.:
Dimensions L*W*H:
Quantity (5m): 4pcs
Free/Optional: Free

Item: Closing End-cap
Model No.:
Dimensions L*W*H:
Quantity (5m): 4pcs
Free/Optional: Free

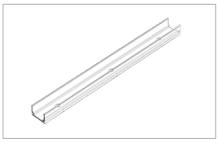
Item: Aluminum clip
Model No.:
Dimensions L*W*H:
Quantity (5m): 15pcs
Free/Optional: Optional



Item: PC clip
Model No.:
Dimensions L*W*H:
Quantity (5m): 15pcs
Free/Optional: Optional



Item: Quick connector
Model No.:
Dimensions L*W*H:
Quantity (5m): 1pcs
Free/Optional: Optional

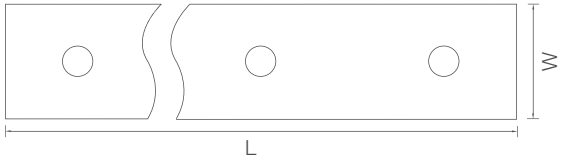


Item: PC channel
Model No.:
Dimensions L*W*H:
Quantity (5m): 5pcs
Free/Optional: Optional

Item: Screws
Model No.: PA3
Dimensions L*W*H: PA3*10mm
Quantity (5m): 30pcs
Free/Optional: Optional

Item: Silicone Glue
Model No.: WR-7516
Dimensions: 45g/pc
Quantity (5m): 1pcs
Free/Optional: Optional

Accessories diagram



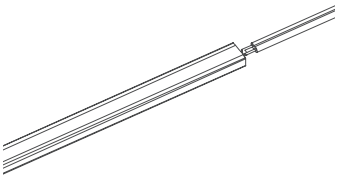
Name	L(mm)	W(mm)	Type
PC clip	25	12	Customized
PC channel	1000	12	Customized

Note:

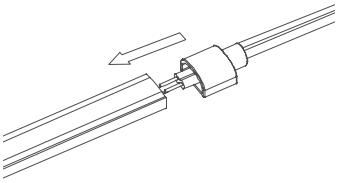
1. The number of accessories used can be increased according to demand;
2. If customers want to process molded caps by themselves, corresponding molding equipment are required;
3. If customers processed the cap themselves, we'll not be responsible for the consequences.

Installation Methods and Steps

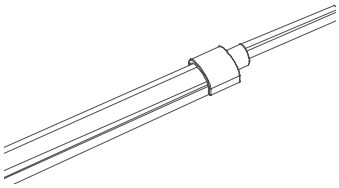
Front cap installation



Weld the wire to the PCB board.

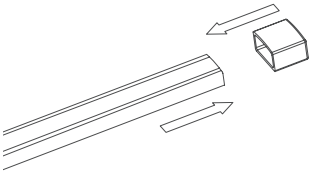


Fill the end cap with glue, then install it to the strip

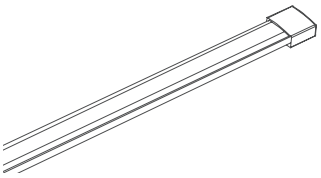


Wipe off the excess glue and wait for drying

Closing end-cap installation

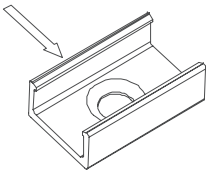


Fill the end cap with glue, then install it to the strip.

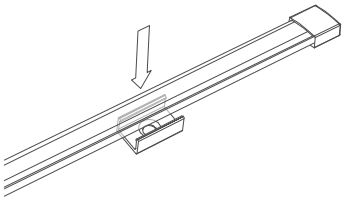


Wipe off the excess glue and wait for drying

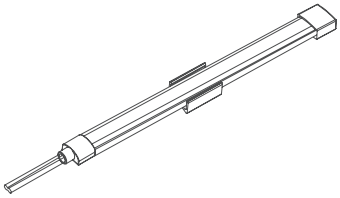
Aluminum clip



Fix the aluminum clip with screws



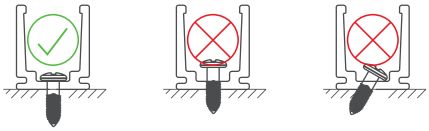
Press the strip into the clip



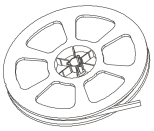
Finished

Notes:

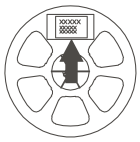
- At the welding place, please pay attention to the positive and negative poles of the wire and the strip;
- Each connection must use 10g silica gel for waterproof and insulating treatment;
- The screws must be vertical to the mounting surface and be fastened, as shown in the figure on the right;
- Please 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;



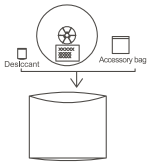
Packaging Information



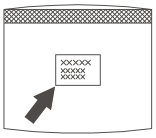
Roll the product to a reel



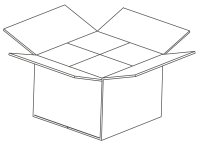
Label the reel;



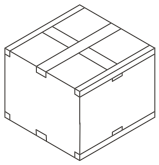
Put reel, accessory bag and desiccant together into static shielding bag;



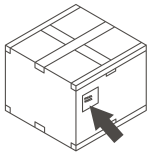
Seal and label the static shielding bag;



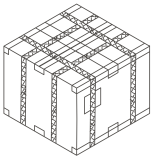
Put the packed static shielding bag into carton box;



Seal the carton box;



Label the box;



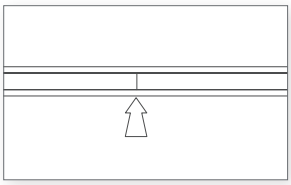
Use packing belt to pack. Add edge protectors if necessary.

Packaging information

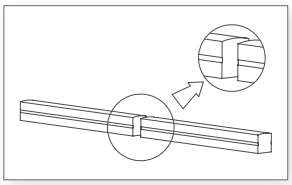
Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
TWHE-FC-640-24-WN	5000*10	550*400*340	5	40	--(1±10%)	15.50 (1±10%)
TWHE-FC-840-24-RGB	5000*10	550*400*340	5	40	--(1±10%)	15.50 (1±10%)
TWHE-FC-840-24-RGBW	5000*12	550*400*340	5	40	--(1±10%)	15.50 (1±10%)

- One piece(5m) per reel, and the reel is packed in an outer box.
- 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.

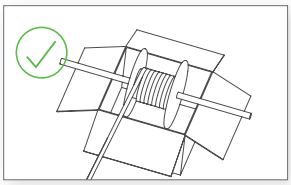
Warning Mark



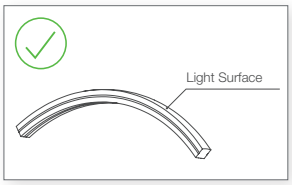
Cuttable identifier



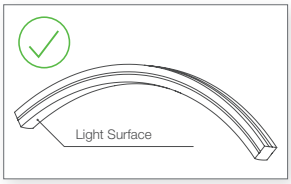
Neat and smooth cut



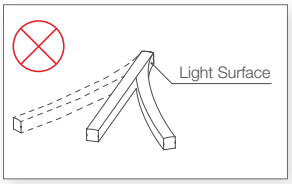
Insert a stick on the reel and place it on the packing box,and rotate the reel to get the product.



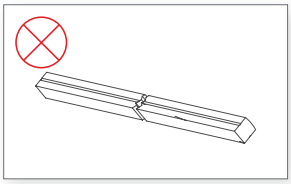
use in convex direction



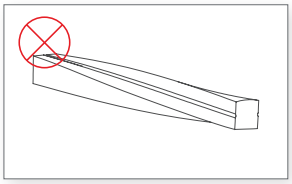
Use in concave direction



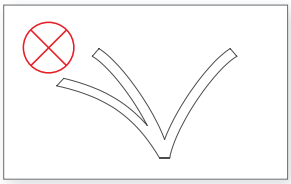
Side bending



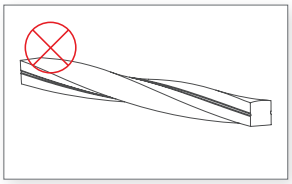
Do not make irregular cuts.



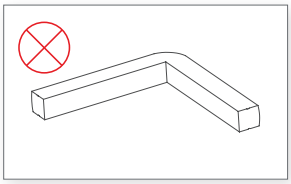
Do not use in distortions



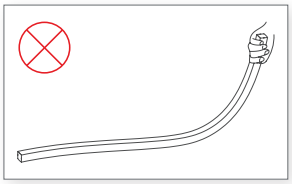
Do not bend many times,for it can endanger electronic lines.



Do not use on wringing(twist)



Do not bend at right angles



Do not throw or pull when taking products

Note:

1. There are cutting marks on the FPCB;
2. Please pay attention to above warnings during transportation and using;

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.