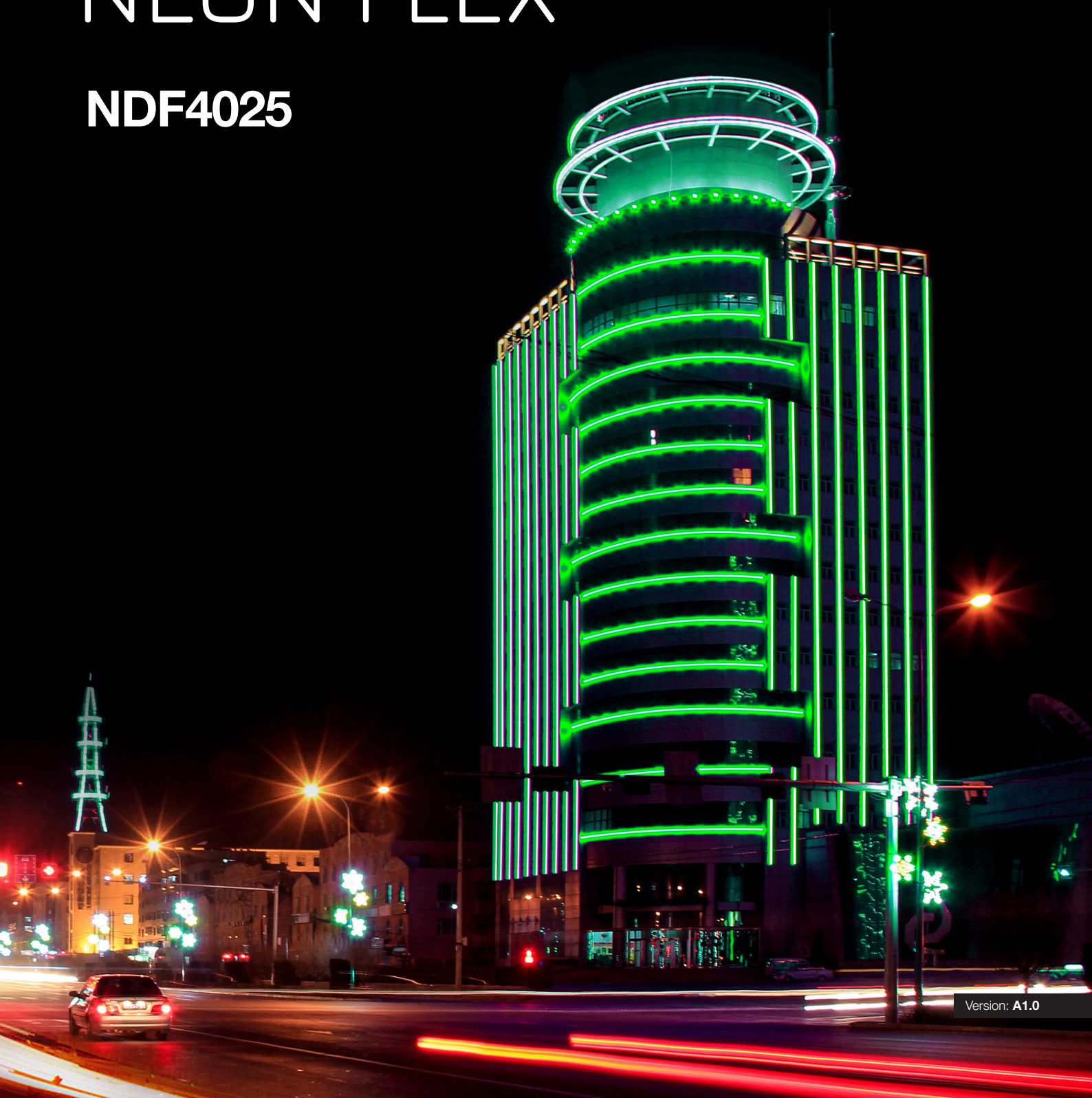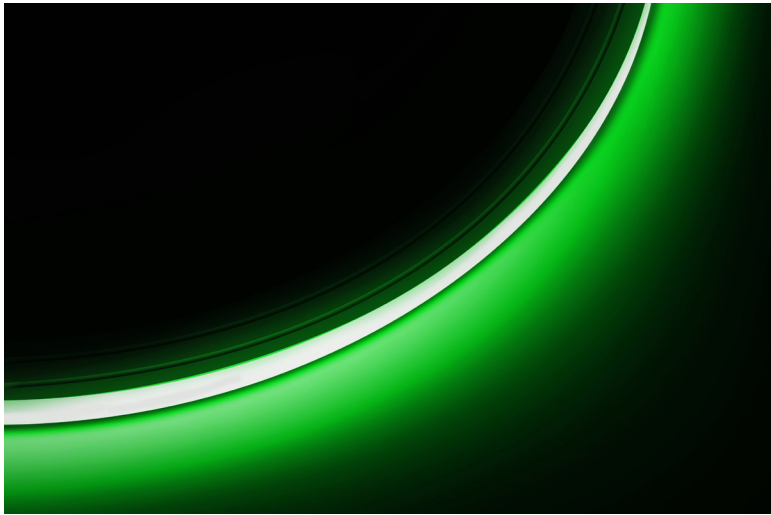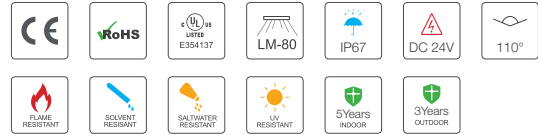# LED
NEON FLEX

NDF4025

Features

- Color options: Green.
- High efficiency, good color rendering effect.
- Adopt constant voltage components with stable and reliable performance.
- Top bending and easy to shape.
- Silicone integrated extrusion shaping process, good weather resistance.
- Warranty: 5 years indoor, 3 years outdoor.
  Customization: multiple spec options, can be customized upon requirements.

CE | RoHS | UL LISTED E354137 | LM-80 | IP67 | DC 24V | 110°

FLAME RESISTANT | SOLVENT RESISTANT | SALTWATER RESISTANT | UV RESISTANT | 5Years INDOOR | 3Years OUTDOOR

Optical & Electrical Parameters

Model No.	Voltage	Beam Angle	CRI	Color	Lm/m	Lm/W	Rated Power (W/m)
NDF4025	24V DC	110°	\	■ Green	564	31	19.2

Other Parameters

Model No.	LED QTY (pcs/m)	Standard Run	Min. Cuttable Length	Working Temperature	Storage Temperature
NDF4025	240	10000mm	33.33mm	-20~+60℃	-20~+70℃

Profile Drawings

Unit: mm[inch]

10025 [394.66]

10000 [393.70]
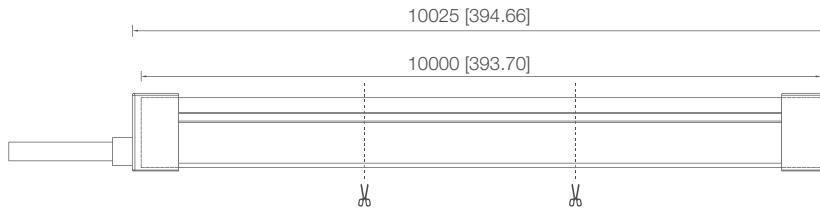
Bend direction

Bending Diameter

Ø 260.0 [10.23]

Sectional view

25.0[0.98]

40.0[1.57]
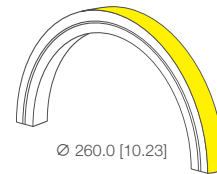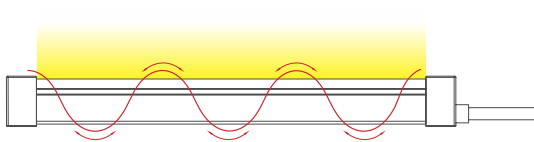
Front cap / Glue Process (IP67)

42.0[1.65]

24.0[0.95]

Closing End-cap / Glue Process (IP67)

42.0[1.65]

20.0[0.78]
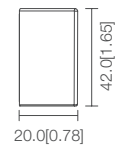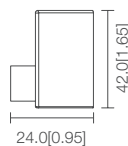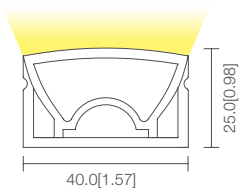
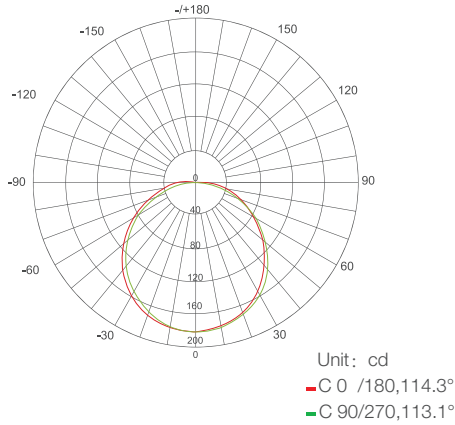Note: the strip length.support customization with 10m

IP Process Technology

Glue Process (IP67)
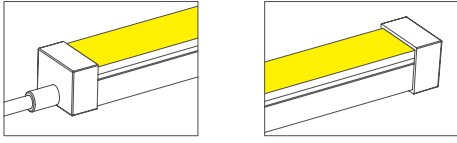
- Glue process the end cap after cutting, warranty will be provided upon IP65 rated.
- No warranty will be provided if the injection moulded(IP68) end cap destroyed or reprocessed.
- Corresponding molding equipment and mold needed for self-processing injection moulded end cap, contact the sales for more information.
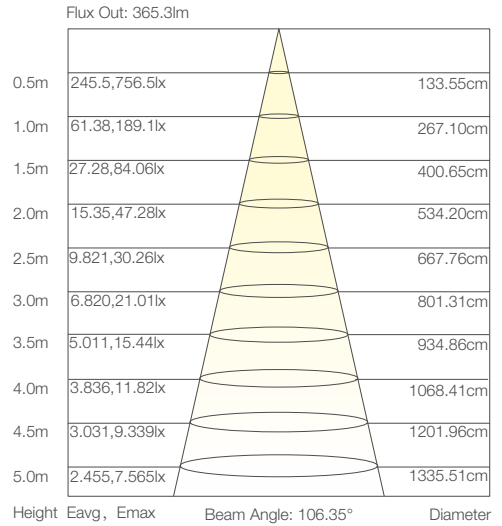
Luminous Intensity Distribution Diagram

Average Illumination

Unit：cd
- C 0 /180,114.3°
- C 90/270,113.1°

AVERAGE BEAM ANGLE(50%): 113.7°

Note: for other data,please consult sales rep.

Flux Out: 365.3lm

| Height	Eavg，Emax	Beam Angle: 106.35°	Diameter
0.5m	245.5,756.5lx		133.55cm
1.0m	61.38,189.1lx		267.10cm
1.5m	27.28,84.06lx		400.65cm
2.0m	15.35,47.28lx		534.20cm
2.5m	9.821,30.26lx		667.76cm
3.0m	6.820,21.01lx		801.31cm
3.5m	5.011,15.44lx		934.86cm
4.0m	3.836,11.82lx		1068.41cm
4.5m	3.031,9.339lx		1201.96cm
5.0m	2.455,7.565lx		1335.51cm

Recommended power supply upon working length

NDF4025

Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
1m	0.74 A	24V DC	17.79 W	20 W	Single Feed
10m	6.10 A	24V DC	145.60 W	200 W	Single Feed

Products and Tools
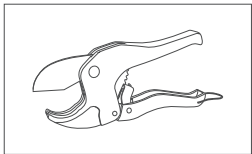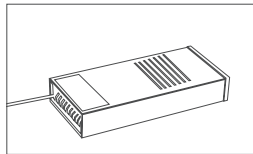
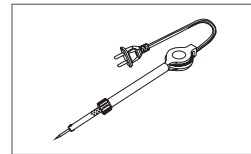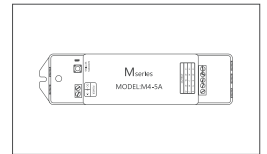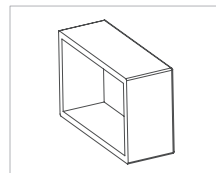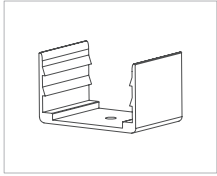|				
Cutter	LED power supply	Electric drill	Electric iron	Controller (If needed)
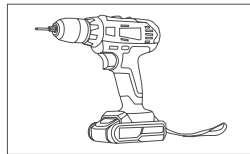
Product accessories

--
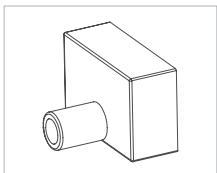
Item:	Front cap
Dimensions L*W*H:	24*42*27mm
Quantity (10m):	--
Free/Optional	Free

--

Item:	Closing End-cap
Dimensions L*W*H:	20*42*27mm
Quantity (10m):	--
Free/Optional	Free

--

Item:	Aluminum clip
Dimensions L*W*H:	30*26.6*44mm
Quantity (5/10m):	--
Free/Optional	Optional

PA3

Item:	Screws
Dimensions L*W*H:	PA3*10mm
Quantity (10m):	--
Free/Optional	Optional

WR-7516

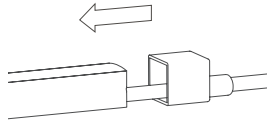|	
Item:	Silicone Glue
Dimensions:	45g/pc
Quantity (10m):	--
Free/Optional	Optional

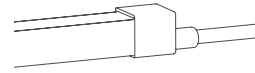## Installation

Glue Process

Front cap installation
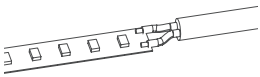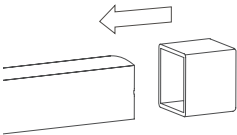
Weld the wire to the PCB board.

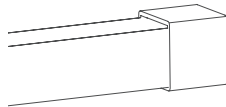Apply waterproof glue to the front cap, then push the cap into the strip.

Wipe off the excess glue and wait for the glue to solidify.
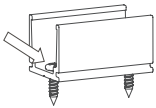
Closing-end cap installation

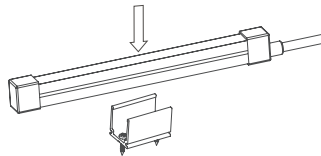Apply waterproof glue to the end cap, then push the cap into the strip.

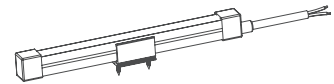Wipe off the excess glue and wait for the glue to solidify.

Aluminum channel installation
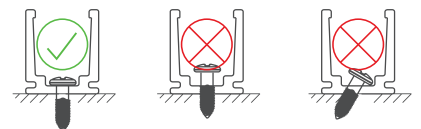
Fix the aluminum channel with screws

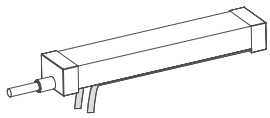Press the strip into the channel

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;
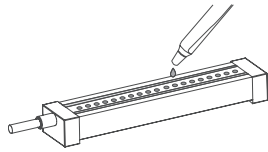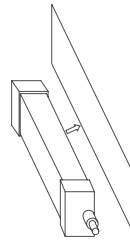- More information, please feel free to consult us;
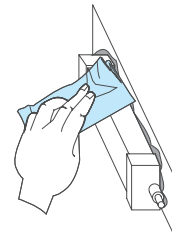
Installation

Mounting Process

Remove 3M adhesive tape;

Apply glass glue as the figure shows (note: Apply the glue in strips or dots, do not apply too much;)

Put the strip on the mounting surface

Fill the gap with glass glue (Note: Remove the excess glass glue)

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;
- During mounting, please pay attention to the min bending diameter, and best to use original factory accessories;
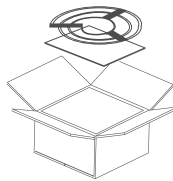- More information, please feel free to consult us;
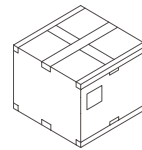
Packaging Information
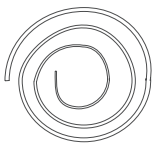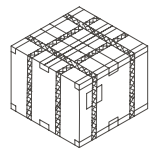
Roll up the product;

Wrap the product tightly with PE film;

Put the wrapped products into the carton box, and put pearl cotton pads on each layer

Label and seal the carton box;

Use packing belt to pack. Add edge protectors if necessary

Packaging information

Model No.	Product Size L*W*H (mm)	Carton Size (mm)	Meter/Box	Box/Carton	Gross Weight (kg)
NDF4025	10000*40*25	545*515*350	10	4	6.70 (1± 10%)

- 10m per roll, as per specific packaging, and put into a carton.
- 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.
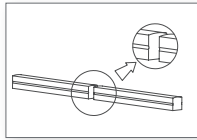
Reliability test

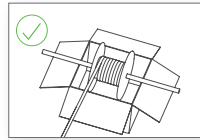| Project	Reference standards	Category	Test conditions	Outcome
Environmental test	Blueview standard	UV resistance test	Ultraviolet wavelength: 315-400nm, radiation intensity 0.83W/m;TH=50°C, irradiation 5h, water spraying last 1h	Pass

Warning Mark
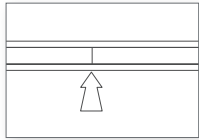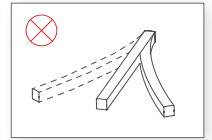

Cuttable identifier

Neat and smooth cut

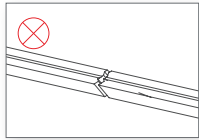Insert a stick on the reel and place it on the packing box,and rotate the reel to get the product.
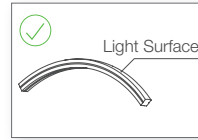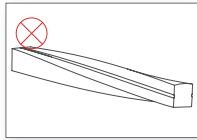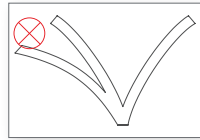

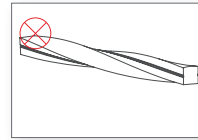use in convex direction
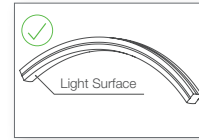
Use in concave direction

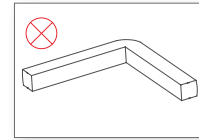

Side bending

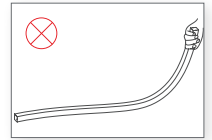Do not make irregular cuts.

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

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.