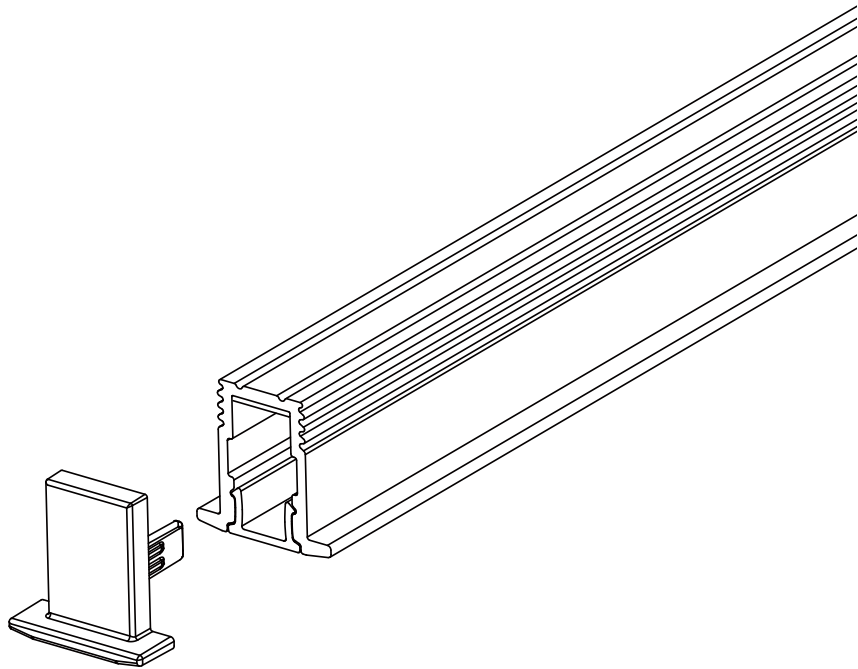


USER MANUAL

LE1212/LE2513/LE2507

V1.3



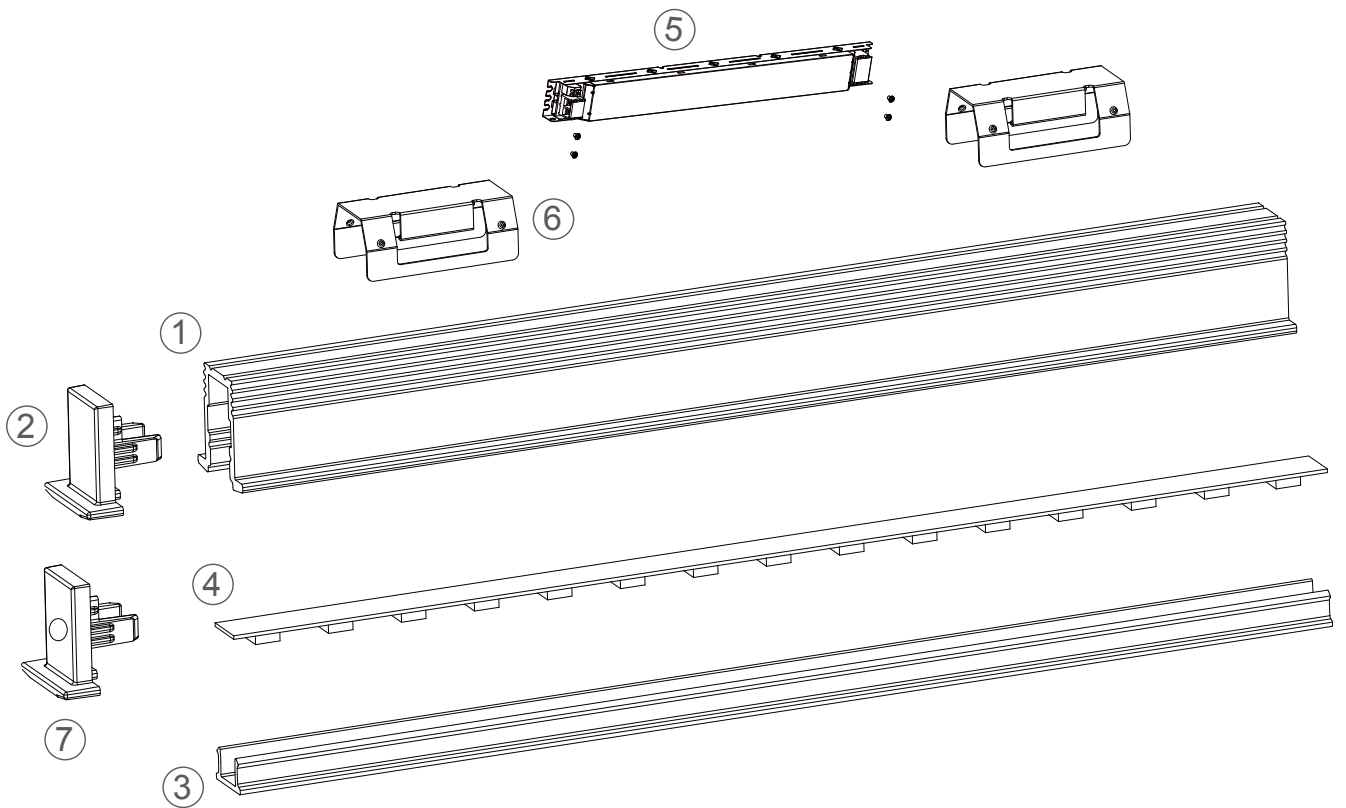
Please read the manual carefully before installation and application, and use the product in the correct way.

Instructions on accessories are included in the manual.

Please properly maintain the manual after reading and understanding it for convenient reference by all users of the product in the future.

CONTENTS

01	Components	01
02	Installation	
	Recessed	02
03	Cutting	05
04	Recommended strips and power supplies	06
05	Applications	07
06	Precautions	
	Fixture maintenance	09
	Warranty	09
	Q&A	09



Essential

- ① Profile x1
- ② End cap x2
- ③ Diffuser x1

Lighting Source and Power Supply*

- ④ Flexible strip
- ⑤ Power supply

Installations Accessories*

- ⑥ Recessed clip

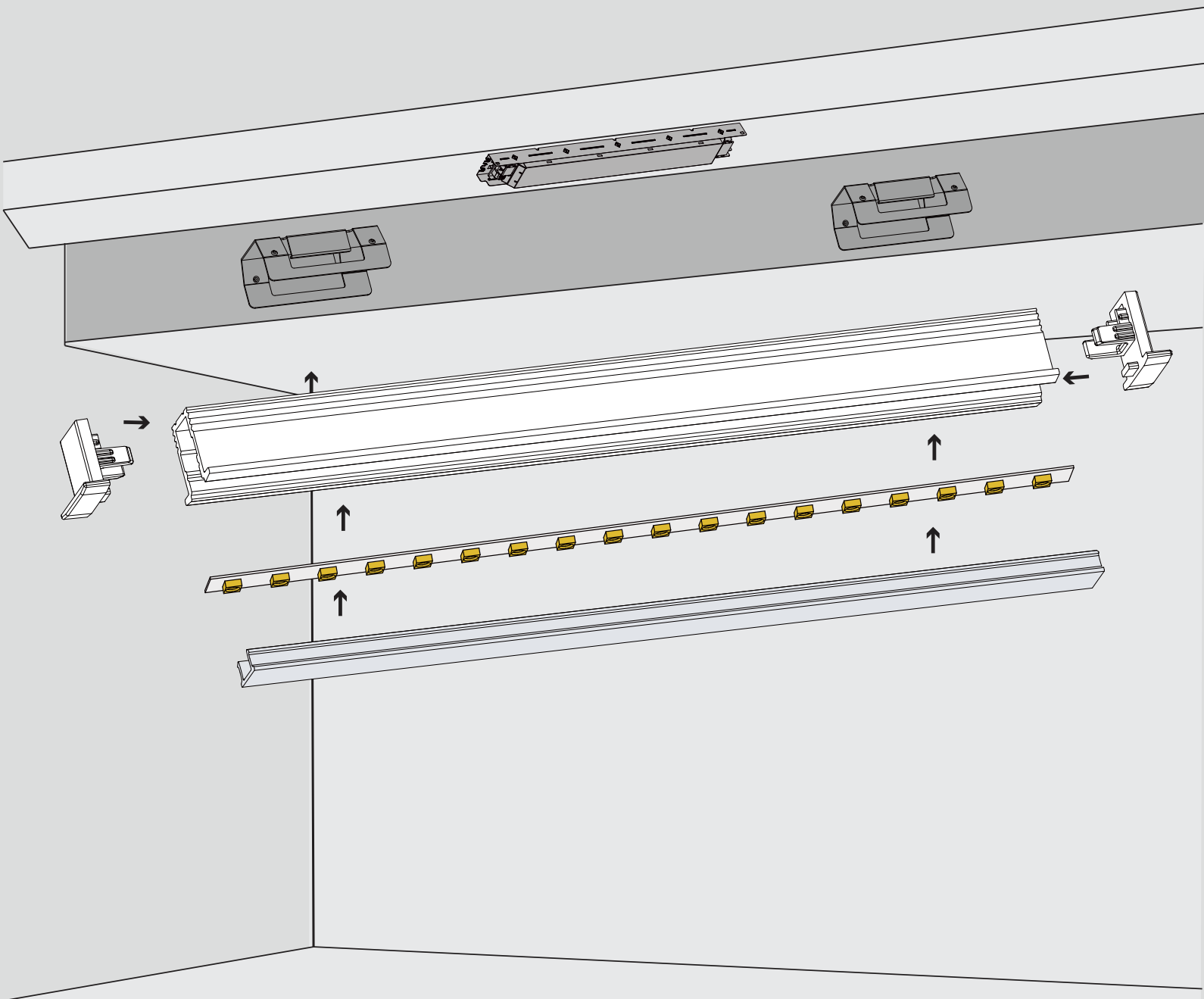
Others*

- ⑦ End cap with hole

* Optional parts

Installation

Recessed



1 Make a slot at the installation position

⚠ Dimensional tolerance of slot $\pm 0.5\text{mm}$

Glue slot size LE1212 L(Profile length+5mm)*W9mm*H12mm
 LE2513 L(Profile length+6mm)*W18mm*H13mm
 LE2507 L(Profile length+6mm)*W18mm*H7mm

Clip slot size LE1212 L(Profile length+5mm)*W10mm*H13mm
 LE2513 L(Profile length+6mm)*W19mm*H13mm

e.g. :The 5mm of LE1212 refers to the thickness of both end caps (2*2mm) + 1mm gap

2 Wiring at the installation location (mains supply)

⚠ Do not touch with wet hand or there is risk of electric shock

3 Install the power supply at a proper location

⚠ Do not place the power supply in water or remove it without permission

Connect to DIM

DIM- DIM+ LED- LED+ Driver GND AC-N AC-L

4 Place insulation on both ends of the strip and place the strip on the profile

⚠ Strips with exposed copper foil on the back shall be insulated

5 Mount the diffuser on the profile

6 Mount the end caps (with and without hole)

⚠ For an end cap without hole, wire goes out from the profile bottom, while it goes out from an end cap
 (Hole of $\phi 4.5\text{mm}$ for LE2513, Hole of $4.5 \times 2.5\text{mm}$ for LE1212/LE2507)

End cap with hole

End cap

7 Pull the wire out from the end cap or the profile bottom and connect the strip wire in the profile and the output line of the power supply

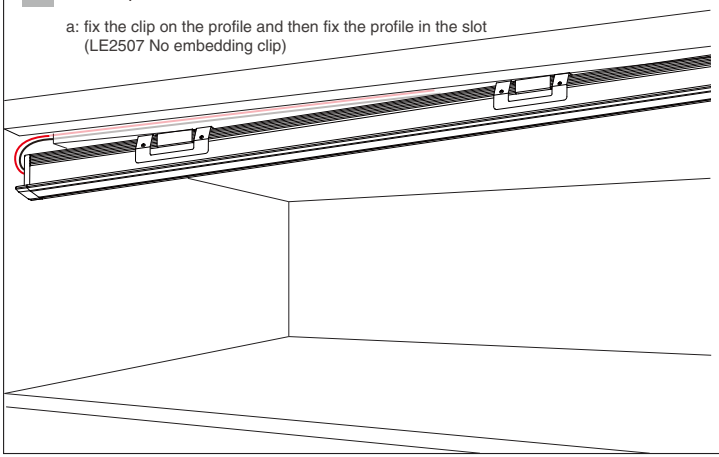
Connect to DIM

DIM- DIM+ LED- LED+ Driver GND AC-N AC-L

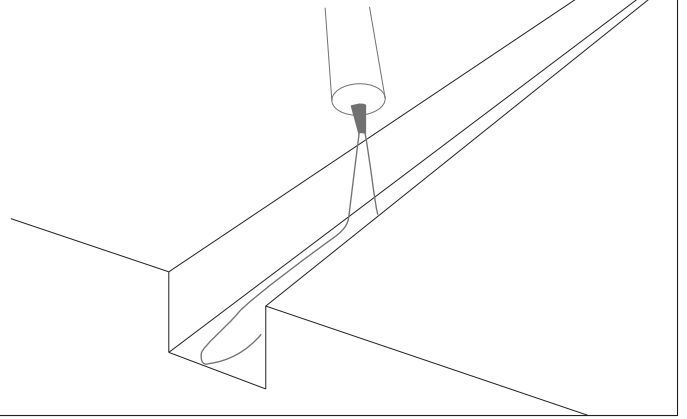
+ LED -

8 Fix the profile in the slot

a: fix the clip on the profile and then fix the profile in the slot
(LE2507 No embedding clip)

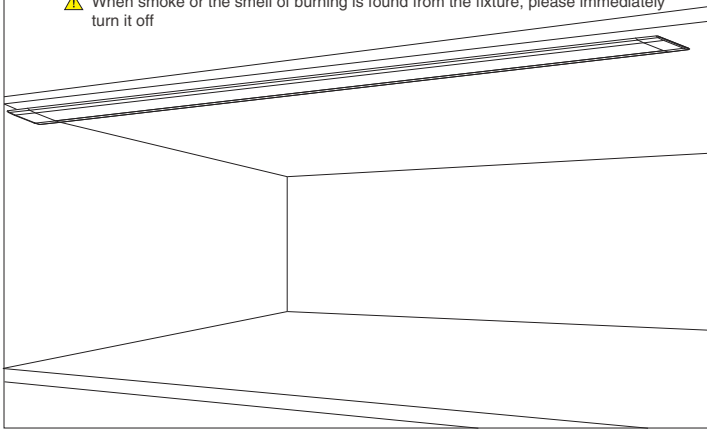


b: Fill the slot with glue and fix the profile



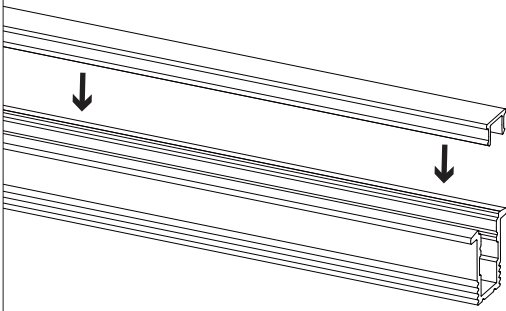
9 Completed

⚠ When smoke or the smell of burning is found from the fixture, please immediately turn it off



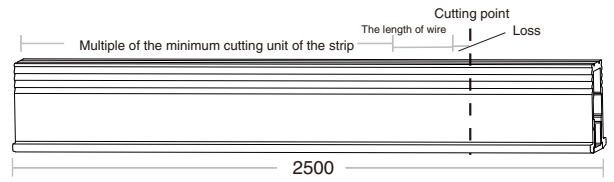
Cutting

1 Mount the diffuser on the profile



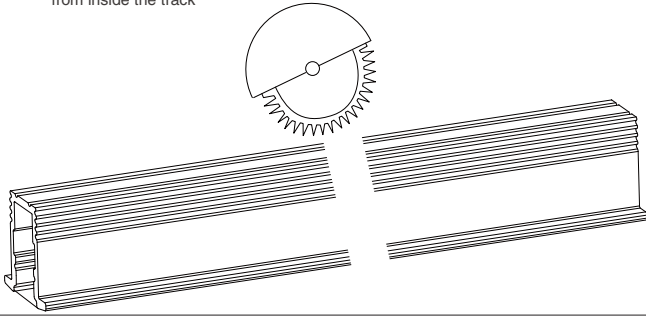
2 Mark the length to the cut off (profile loss will occur during cutting by about the thickness of the blade), and please make reservations of profile length

⚠ When the wire goes out from the profile bottom and end cap, the length to be cut off is a multiple of the minimum cutting unit of the strip + wire length going out (For LE2513/LE2507/LE1212 8mm wire will be led out, and 10mm for LE1212).

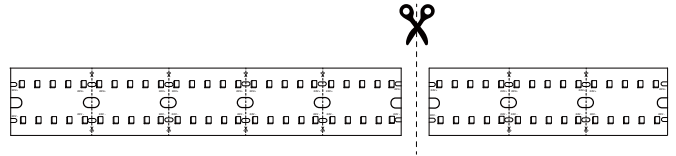


3 Profile cutting by a cutting machine

- ⚠ It is recommended to set the speed at 1,000 – 1,200rpm. Too high a speed may cause damage to the diffuser
- ⚠ A light source is not slowed to be placed on the profile during cutting
- ⚠ Please make sure the product is firmly fixed during cutting. The break shall be ground smooth to remove burr after cutting, and metal chips shall be completely removed from inside the track

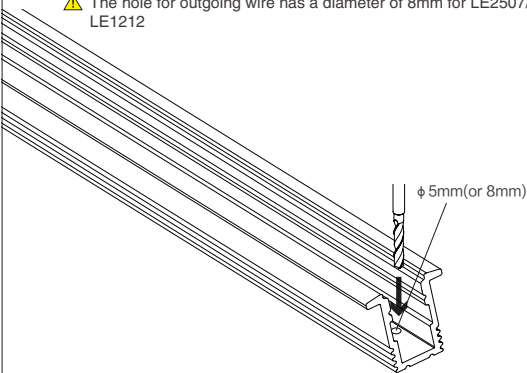


4 Cut the strip to match the profile and weld the red and black wire on one end of the strip



5 When the wire goes out from the end cap, it is unnecessary to make an hole in the profile. When it goes out from the profile bottom, an hole is to be made, as shown in the figure below

⚠ The hole for outgoing wire has a diameter of 8mm for LE2507/LE2513, and 5mm for LE1212



Recommended strips and power supplies

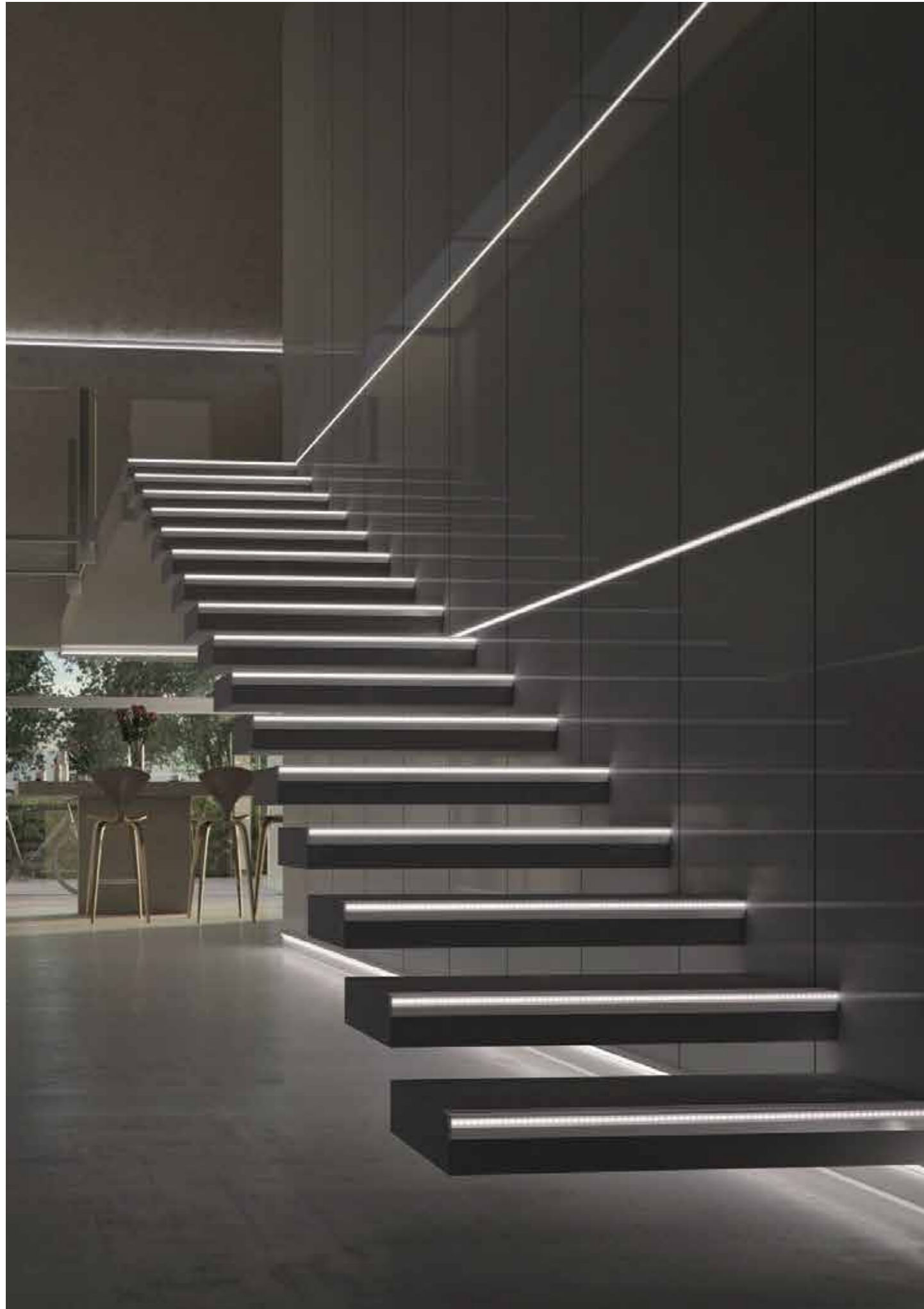
Model	Recommended strip (plate width)	Strip power	Recommended power supply (2.5m)
LG1616C	D6120-24V (8mm)	8.6W/M	BSD-V24-030S
	D6120-12V (8mm)	8.6W/M	BSD-V24-030S
LG1616K	D6120-24V (8mm)	8.6W/M	BSD-V24-030S
	D6120-12V (8mm)	8.6W/M	BSD-V24-030S
LG3030C	D6280-24V (10mm)	15W/M	BSD-V24-065S
LG3030K	D6280-24V (10mm)	15W/M	BSD-V24-065S
LS0709	D6120-24V (4mm)	8.6W/M	BSD-V24-030S
	D6120-12V (4mm)	8.6W/M	BSD-V24-030S
LS0812	D6120-24V (4mm)	8.6W/M	BSD-V24-030S
	D6120-12V (4mm)	8.6W/M	BSD-V24-030S
LS1607	D6300-24V (8mm)	13W/M	BSD-V24-065S
	D6300-12V (8mm)	13W/M	BSD-V24-065S
LS1613	D6120-24V (8mm)	8.6W/M	BSD-V24-030S
	D6120-12V (8mm)	8.6W/M	BSD-V24-030S
LS2013	D6120-24V (8mm)	8.6W/M	BSD-V24-030S
	D6120-12V (8mm)	8.6W/M	BSD-V24-030S
LS2020	D6280-24V (10mm)	15W/M	BSD-V24-065S
	D6280-24V (10mm)	15W/M	BSD-V24-065S
LS1911K	D6280-24V (10mm)	15W/M	BSD-V24-065S
LS1911C	D6280-24V (10mm)	15W/M	BSD-V24-065S
LS1911P	D6280-24V (10mm)	15W/M	BSD-V24-065S
LE1212	D6120-24V (4mm)	8.6W/M	BSD-V24-030S
	D6120-12V (4mm)	8.6W/M	BSD-V24-030S
LE2513	D6120-24V (8mm)	8.6W/M	BSD-V24-030S
	D6120-12V (8mm)	8.6W/M	BSD-V24-030S
LE2507	D6300-24V (8mm)	13W/M	BSD-V24-065S
	D6300-12V (8mm)	13W/M	BSD-V24-065S
LS1612L	D6120-24V (8mm)	8.6W/M	BSD-V24-030S
	D6120-12V (8mm)	8.6W/M	BSD-V24-030S

Select a suitable power supply

For a strip after cutting or assembling, the following formula may be used to select a suitable power supply (25W, 65W or 100W) to match it

Formula: power per meter of strip × Length of LED Strip < Total power of power supply

Applications



Precautions

Recommended practice for fixture storage and maintenance

- 1、 The storage site shall be dry, clean and well ventilated;
- 2、 Shelves or cabinets shall be provided for fixture storage;
- 3、 Proper fire prevention measure shall be provided;
- 4、 Fixtures (including accessories) shall be managed and stored by type and properly marked;
- 5、 The supplied user manuals and packing boxes of fixtures, accessories and light sources shall be properly maintained for future reference;
- 6、 Fixtures shall be regularly wiped and maintained;
- 7、 Clean and soft cloth shall be used to wipe fixtures;
- 8、 Do not wash fixtures with water.

Notes on product warranty

- 1、 A warranty period of three years is provided for products in normal use. For any faults arising during the period that are confirmed to be quality related by inspection of the company, a product of the same model will be replaced for free.
- 2、 The warranty does not cover any of the following:
 - (1) Any product damage due to usage not allowed in the instructions;
 - (2) Any product damage due to disassembling or wrong operations by the user;
 - (3) Severe appearance damage or deformation of the product;

Q&A

Q Some parts in the fixture are not lit.

A Please remove the diffuser and check whether the LED strips are not functioning. If any, please replaced them.

Q The whole fixture is not lit.

A Please check for abnormalities at the input and output of the power supply or reversion of the LED strip. If there is none, it is recommended to replace the power supply.

Q The fixture flashes.

A Please check for poor contact of the input and output connections of the power supply. If there is none, please carefully check whether the power supply is over-loaded. If not, it is recommended to replace the power supply.

Q Dimming is not possible for an installed fixture.

A Please check the dimming circuit of the power supply for any abnormality or fault in the dimmer. If none, it is recommended to replace the power supply.

Q For two fixtures of the same type, one is darker than the other.

A Please check for over-load of the power supply. If not, it is recommended to replace the power supply.

Q The diffuser breaks after cutting.

A Please check the speed of the cutting machine. Too high a speed tends to cause breaking of the diffuser. It is recommended to set the speed to 1,000 – 1,200rpm.

Q The cut surface is not flat after profile cutting.

A Please check for severe wearing of the blade of the cutting machine. If any, it is recommended to replace with a new blade.

Q Light leak is found during lighting up after assembling.

A Please check the levelness of the installation. If there is any problem, adjust the levelness and assemble again. If the levelness is Ok, please check verticality of the cut surface.

Q Light leak from the end cap is found after lighting up.

A Please check consistency between the length of profile and the diffuser and flatness of the cut surfaces of the profile and the diffuser.

Q Worn thread of the cap screws.

A Please check whether proper torque is used to fasten the screws (M2.0*8mm self-tapping screws for the end caps). It is recommended that the torque may not exceed 0.2N/m (about 2.0Kgf/cm).

Q Black areas are found on both ends.

A Please check whether the distance between the strip and the end cap exceeds 6mm. If it does, please adjust profile length.

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