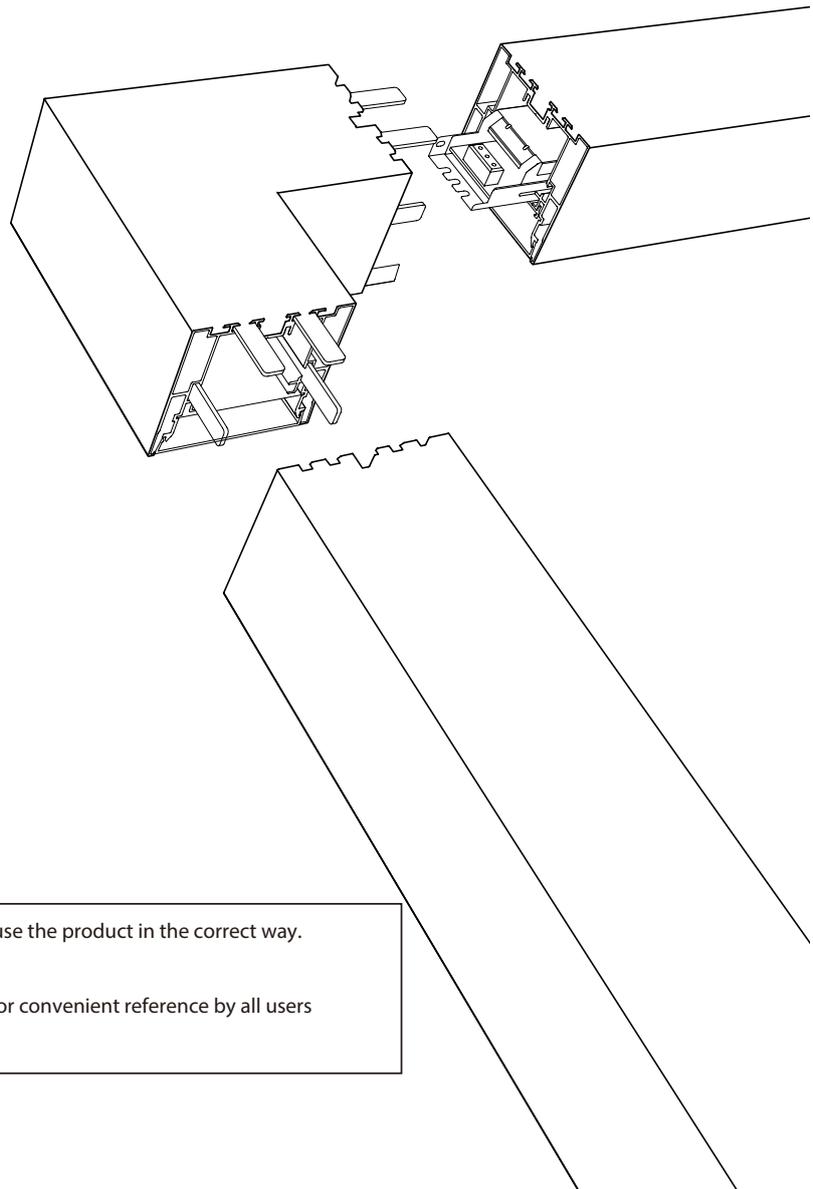


USER MANUAL

LINE S7977

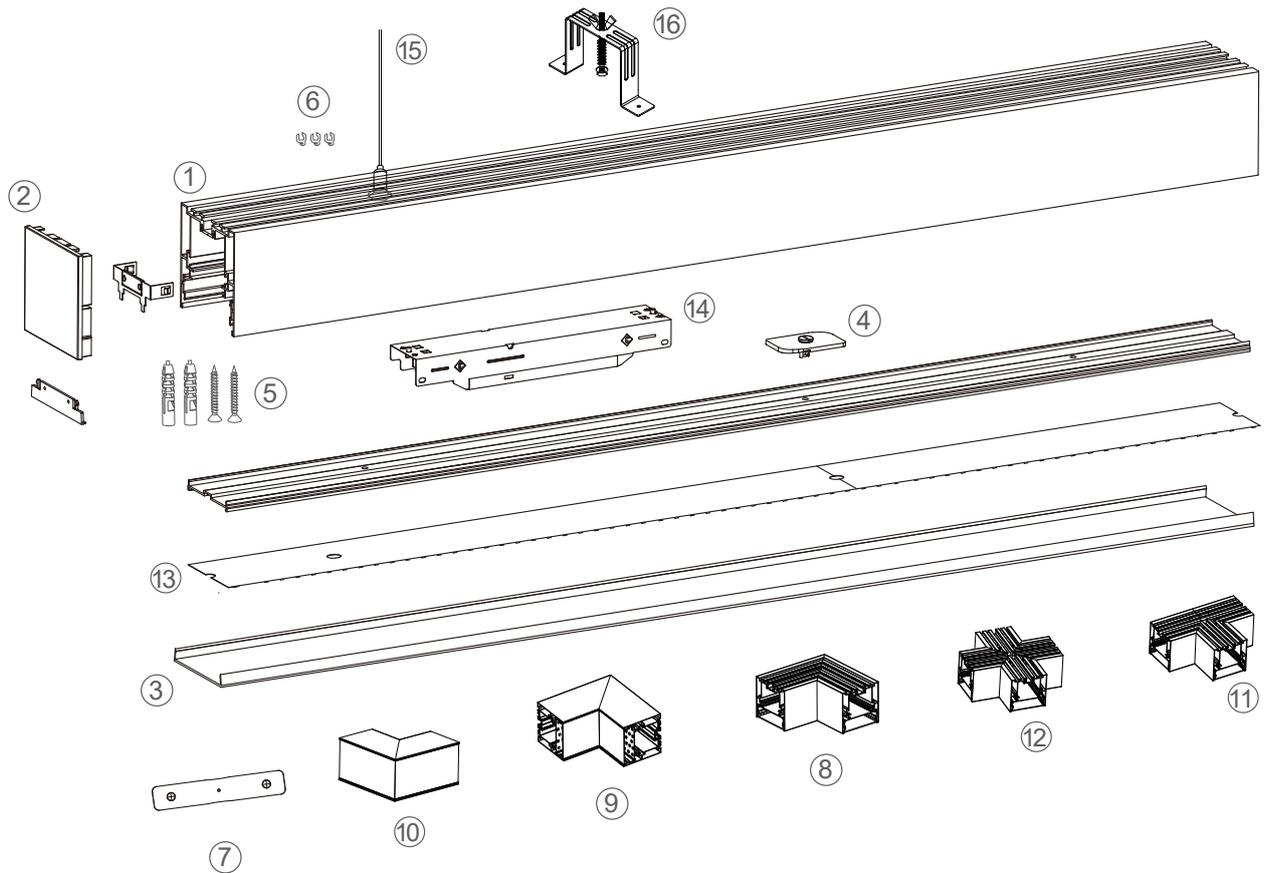
LINE S10570



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
- 02 Installation
 - Surface-mounted
 - Pendant
 - Recessed
- 03 Cutting
- 04 Recommended power supplies
- 05 Applications



Essentials

- ① Profile x 1
- ② End caps x 2
- ③ Diffuser x 1
- ④ Carrier clip x 4
- ⑤ Surface-mounted screws x 3
- ⑥ Cable clip

Light source and power supply *

- ⑬ Flexible strip / rigid modular
- ⑭ Power supply

Connectors *

- ⑦ 180° extender
- ⑧ L connector
- ⑨ L interior connector
- ⑩ L exterior connector
- ⑪ T connector
- ⑫ X connector

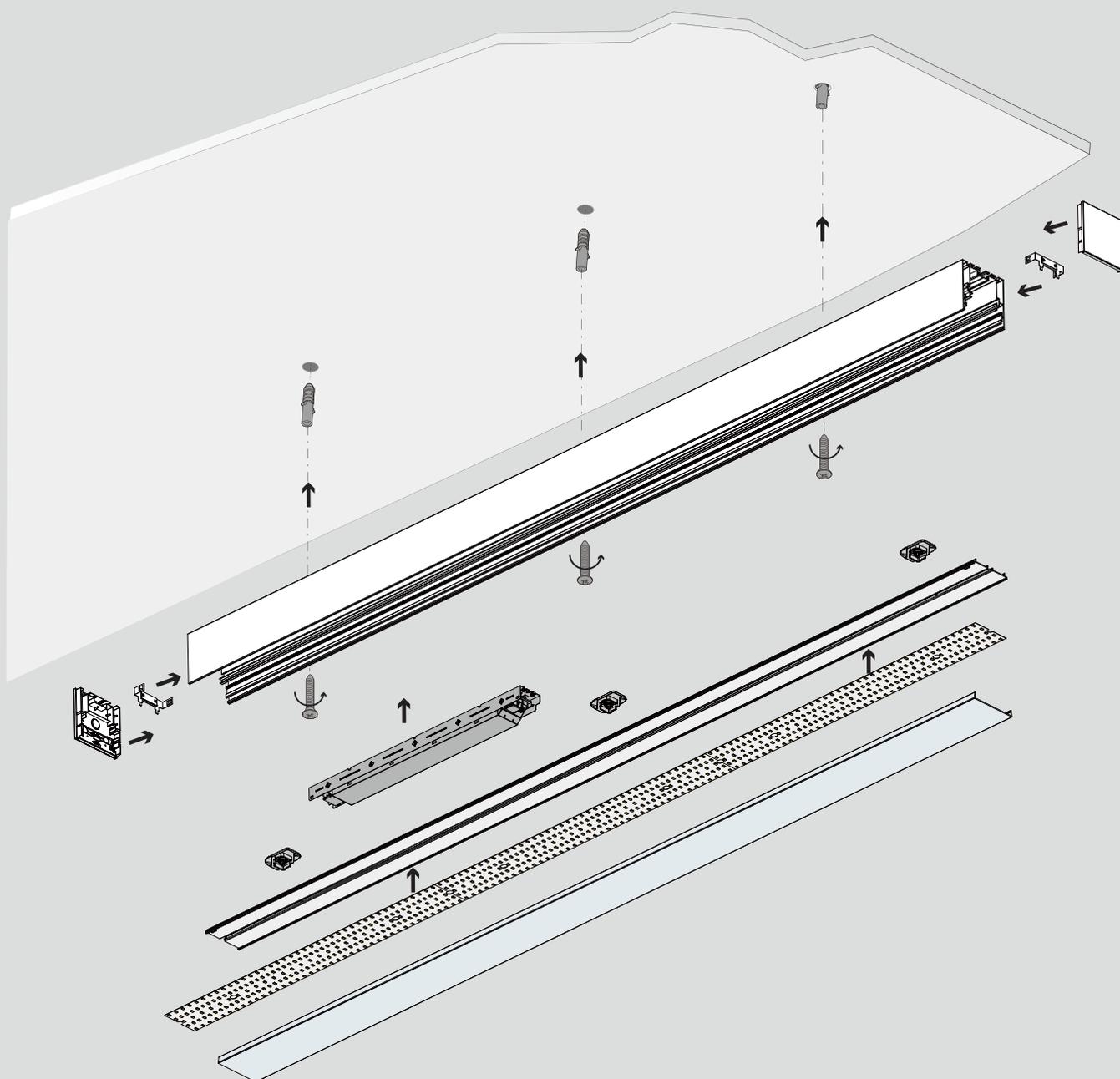
Installation accessories *

- ⑮ Pendant accessories with junction box / pedant accessories
- ⑯ Recessed accessories without trim

* Optional accessories

Installation

Surface-mounted 2.5 m



1 Make the 220V wire go through the ceiling
 ⚠ Do not touch with wet hands or there is a risk of electric shock

2 Remove the diffuser and carrier

3 Punch three ϕ 4mm holes into the profile

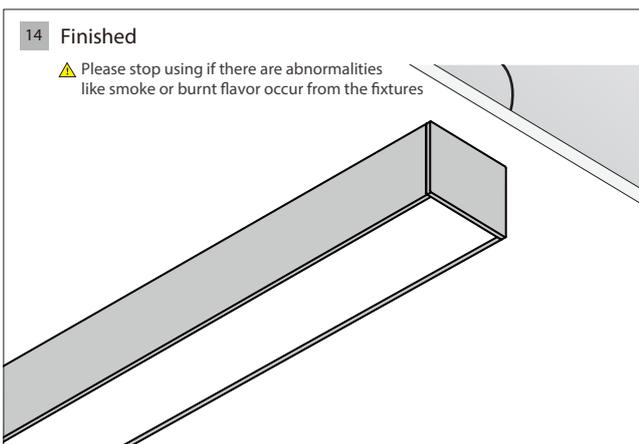
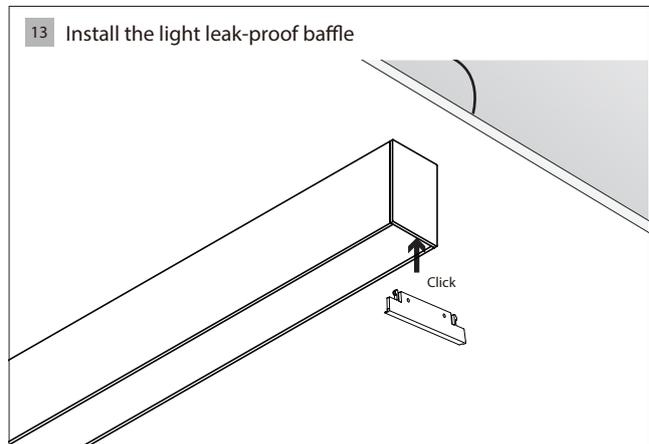
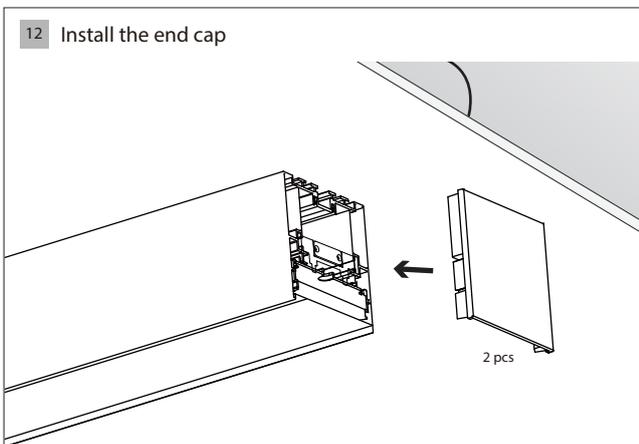
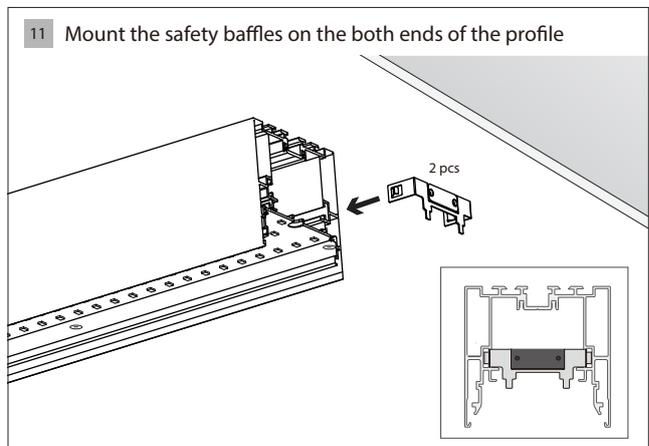
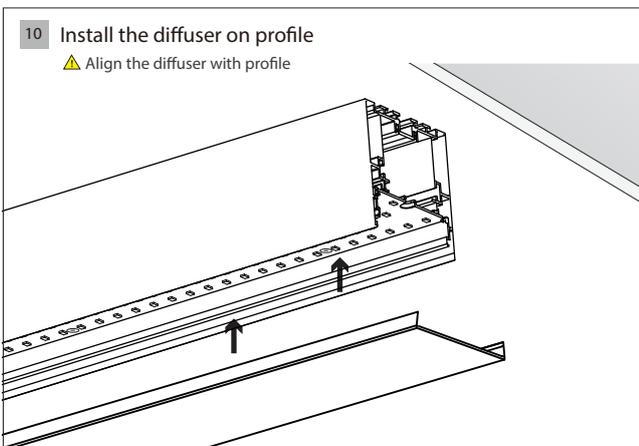
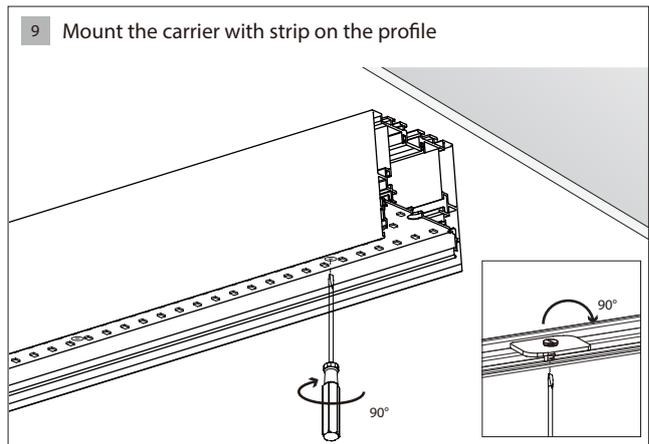
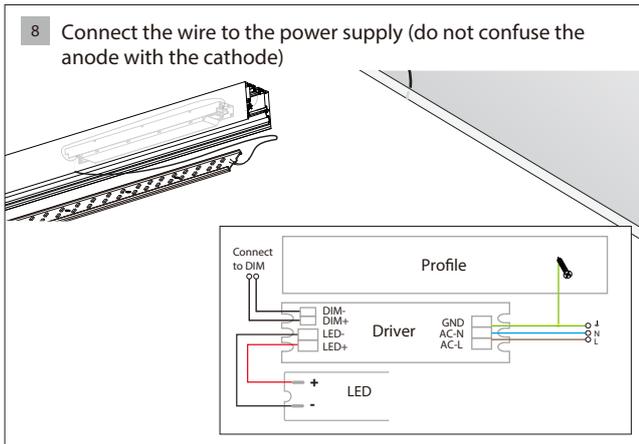
4 Mount the power supply on the profile
 ⚠ Please read carefully the installation of corners on P07 and P08 if you need to make connections
 ⚠ Do not put the power supply into water or disassemble it by yourself

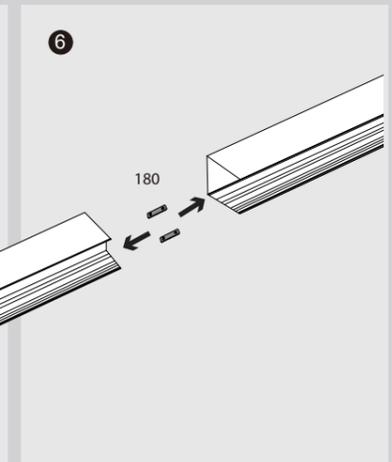
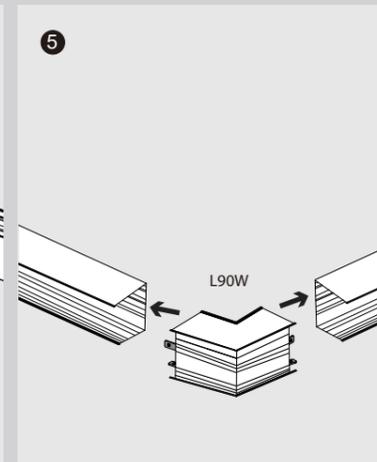
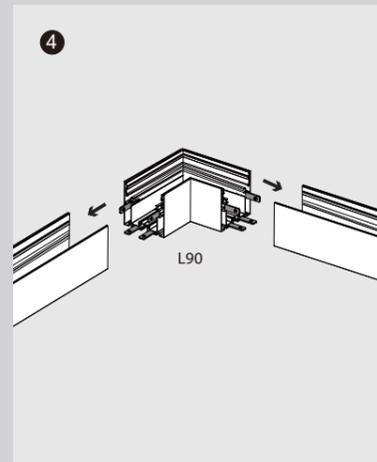
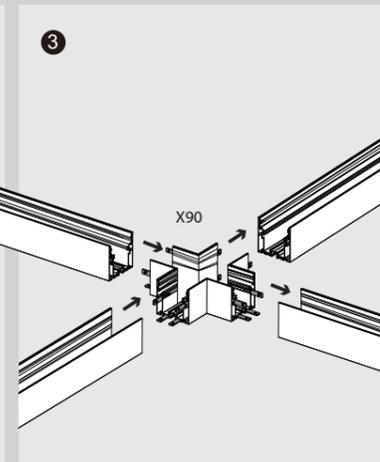
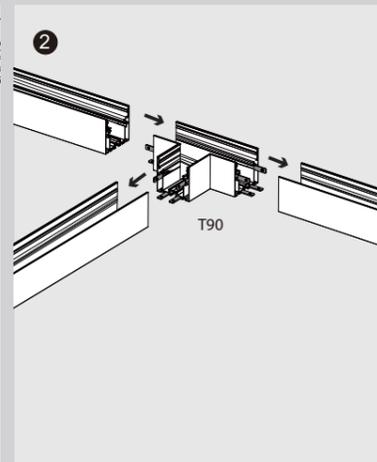
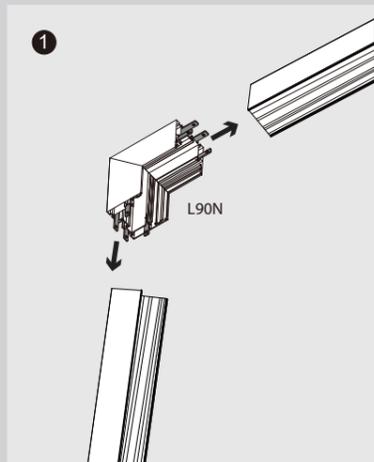
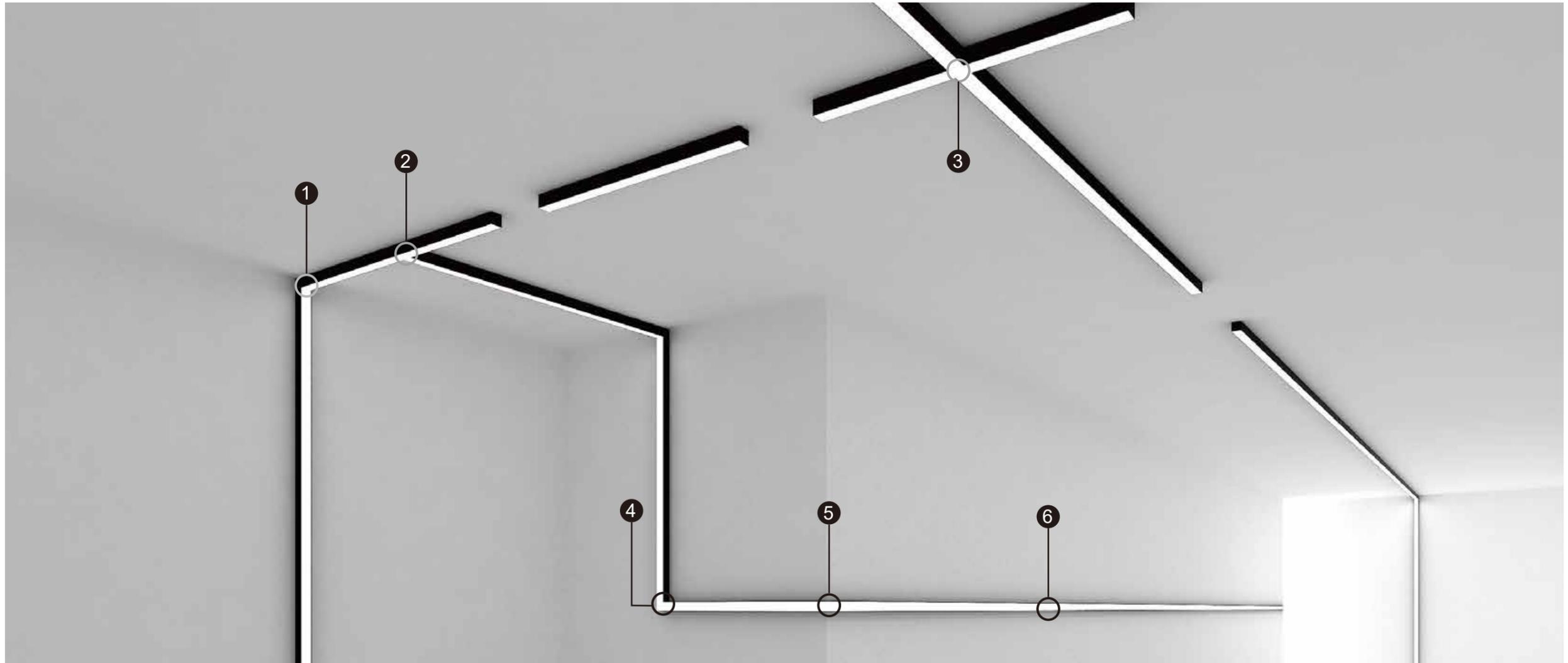
5 Punch three ϕ 5mm holes into the ceiling to match the profile, and then punch the rubber plugs into the holes

6 Make the wire go through from the holes of profile, and then fix profile with screws, and connect the wire to the power supply

7 a: Place insulation on both ends of the flexible strip and attach it to the carrier
 ⚠ Do not put the strip into water or make the strip exposed to water
 ⚠ Only the strip with copper foil on the back is needed to be protected with insulation

b: Connect the rigid modular to pins correctly (do not confuse the anode with cathode), and then slide the rigid modular into the carrier



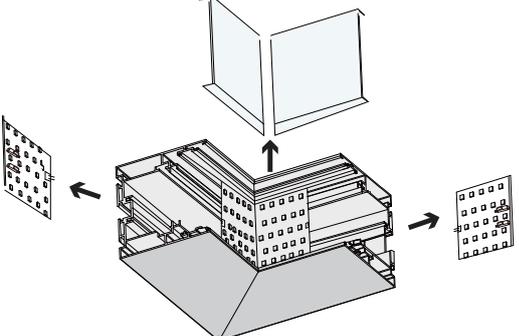


INSTALLATION OF CONNECTORS

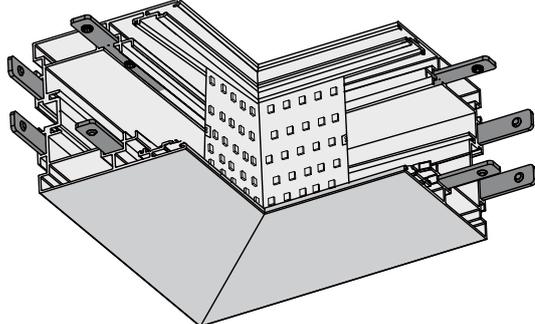
* Please read the manual carefully before installing the connectors, which should be installed after the power supply is installed into the profile. The installations are as follows:

1、Connector with light source

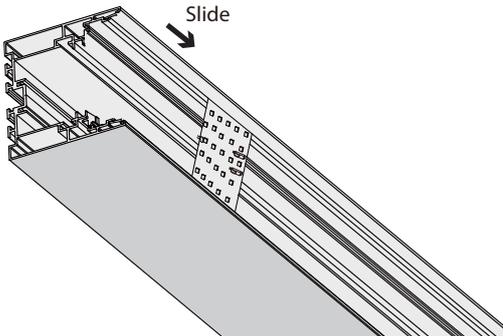
1 Remove the diffuser of connector, and remove the light source of connection



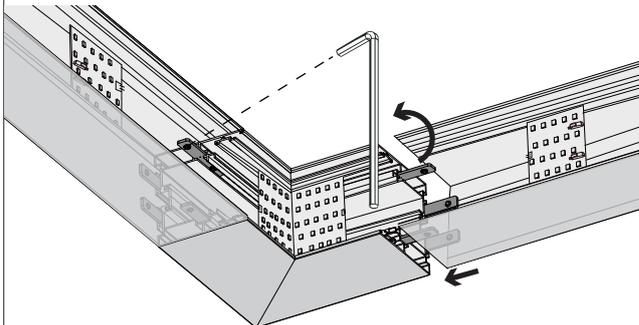
2 Mount the 180° extenders on the connector (Two installed inside, two outside)



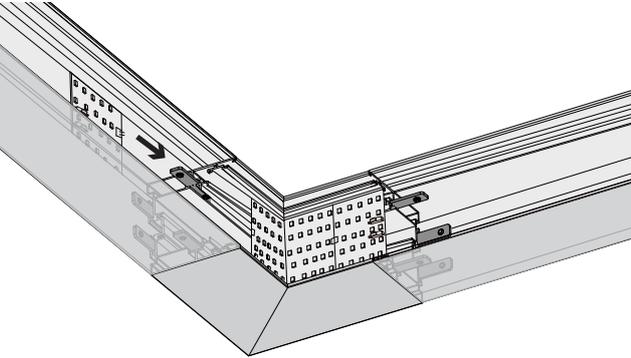
3 Slide the light source from connector into the profile



4 Connect the connector to profile seamlessly, tighten the screws of extenders

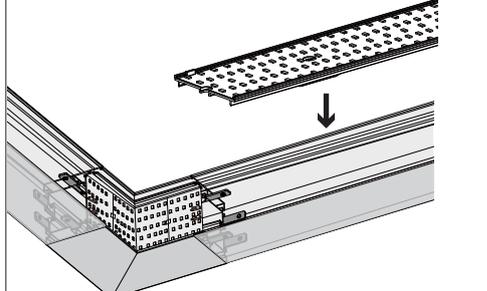
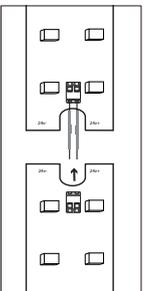


5 Slide the light source of connection back to the connector and connect it to the pin



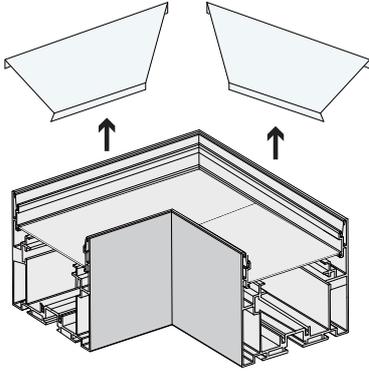
6 Mount the carrier of connection on the profile and connect it to the connector and the light source of connection (do not confuse anode with cathode)

⚠ Only one end of one connector needs to be connected to the power supply

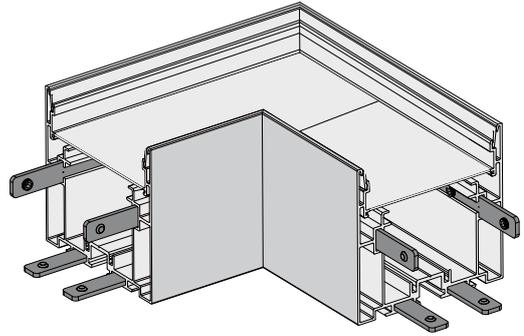



2. Connector without light source

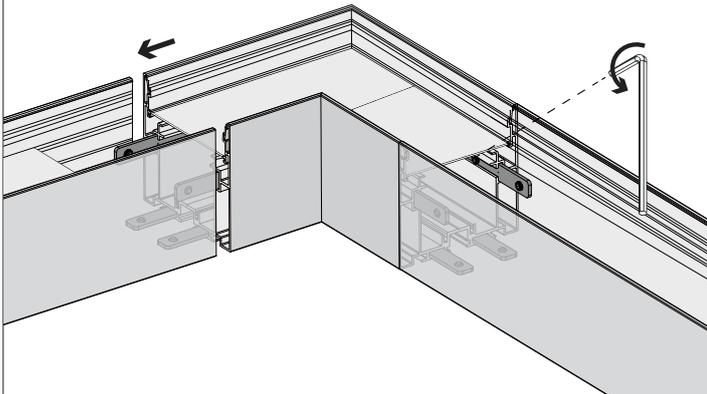
1 Remove the diffuser of connector



2 Mount the 180° extenders on the connector (Two installed inside, two outside)

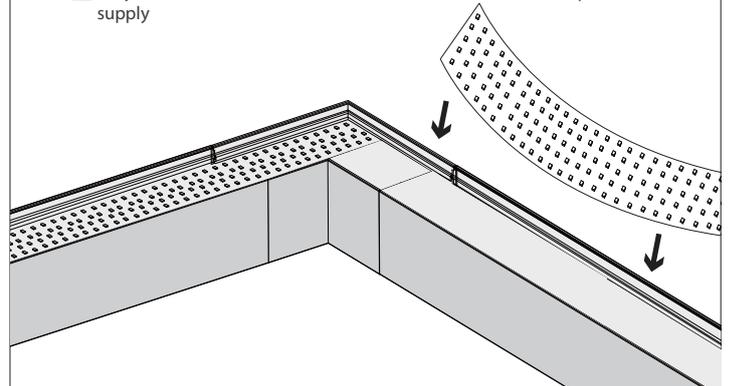


3 Connect the connector to the profile seamlessly, tighten the screws of extenders

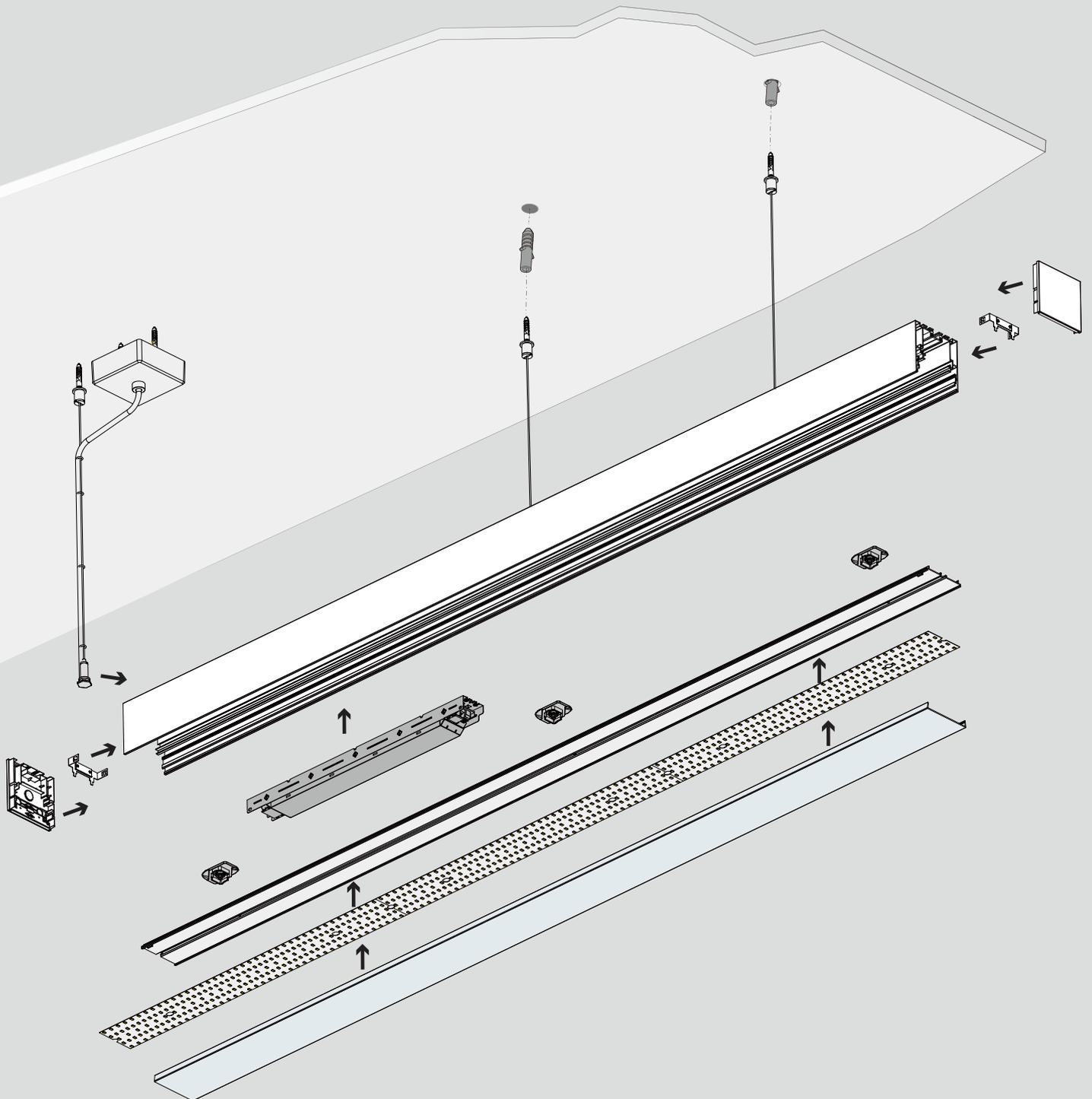


4 Mount the carrier on the profile, and attach the strip to the carrier and the connector

⚠ Only one end of one connector needs to be connected to the power supply



Pendant 2.5 m



1 Make the 220V wire go through the ceiling
 ⚠ Do not touch with wet hands or there is a risk of electric shock

2 Punch three \varnothing 5mm holes into the ceiling to match the profile, and then punch the rubber plugs into the holes

3 Fix one end of the wire on the punched hole of ceiling

4 Fix the junction box on the ceiling and connect it to the wire

5 Remove the diffuser and carrier

6 Mount the power supply on the profile
 ⚠ Please read carefully the installation of corners on P07 and P08 if you need to make connections
 ⚠ Do not put the power supply into water or disassemble it by yourself

7 a: Place insulation on both ends of the flexible strip and attach it to the carrier
 ⚠ Do not put the strip into water or make the strip exposed to water
 ⚠ Only the strip with copper foil on the back is needed to be protected with insulation

b: Connect the rigid modular to pins correctly (do not confuse the anode with cathode), and then slide the rigid modular into the carrier

8 Connect the wire to the power supply (do not confuse the anode with the cathode)

9 Mount the carrier with strip on the profile

10 Install the diffuser on profile
 ▲ Align the diffuser with profile

11 Mount the safety baffles on the both ends of the profile

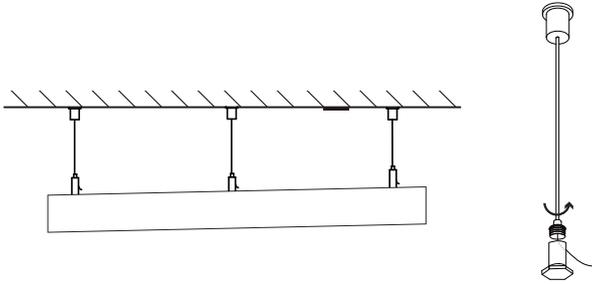
12 Slide the other end of the pendant wire into the profile, and fix it on the profile

13 Install the end cap

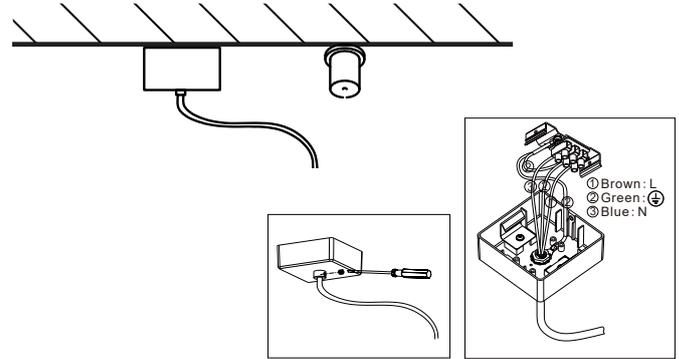
14 Install the light leak-proof baffle

15 Connect the pendant wire to the corresponding position of ceiling
 ▲ Please make sure that the pendant wire has been installed firmly

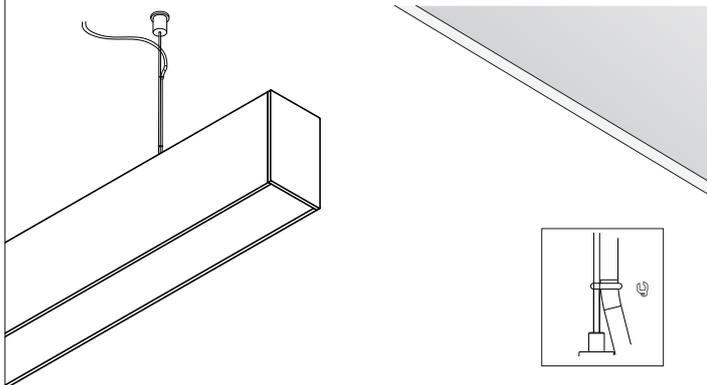
16 Adjust the height of the fixture



17 Put the power supply wire into the junction box and then connect the power supply wire to the junction wire, and close the junction box

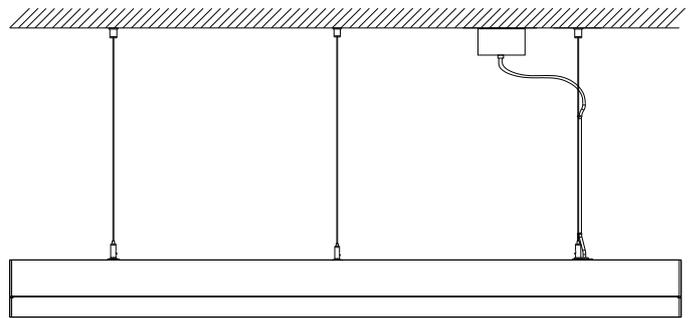


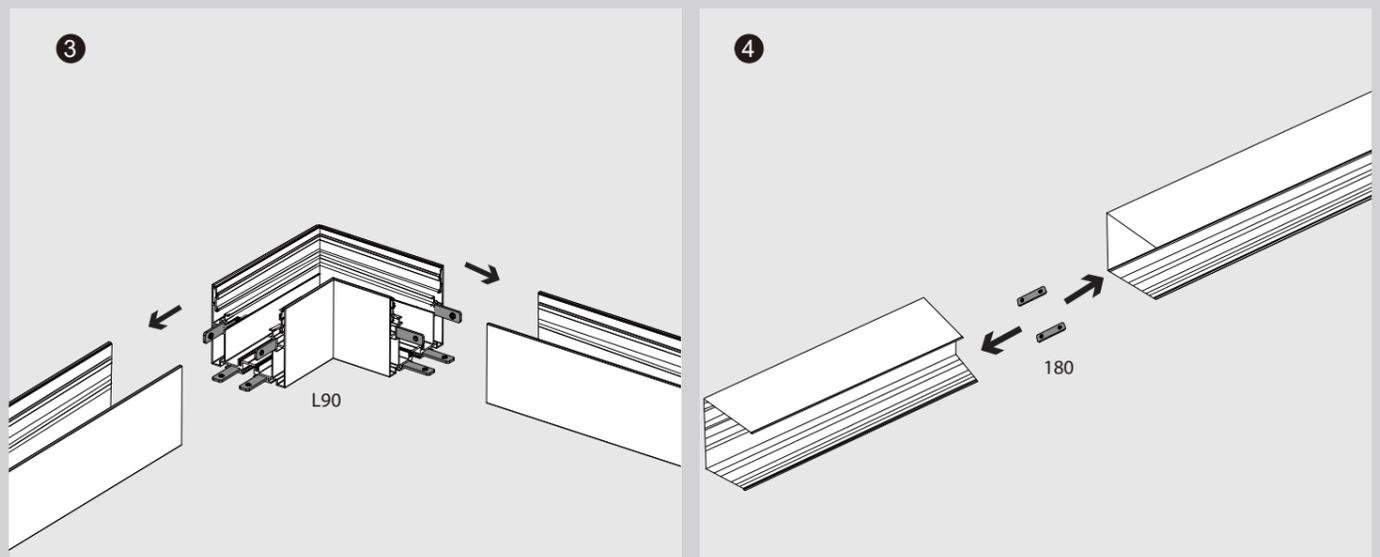
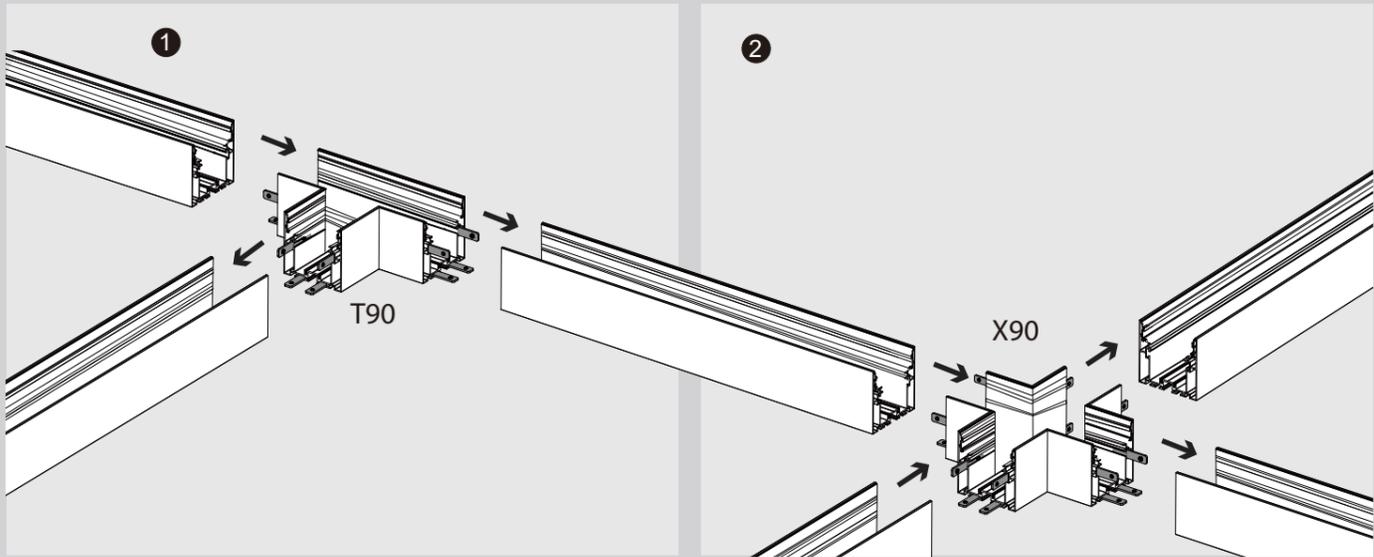
18 Connect the power supply wire to the pendant wire with clips



19 Finished

⚠ Please stop using if there are abnormalities like smoke or burnt flavor occur from the fixtures





Please refer to P07 and P08 for the installation details of connectors

1 Make the 220V wire go through the ceiling

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

2 Make a slot the same size as the profile on the ceiling

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

Slot size LINE S7977 $L(\text{Profile length}+9\text{mm}) * W87\text{mm} * H115\text{mm}$
 LINE S10570 $L(\text{Profile length}+9\text{mm}) * W113\text{mm} * H110\text{mm}$

e.g. The 9mm of LINE S7977 refers to the thickness of both end caps ($2 * 3.5\text{mm}$) + 2mm gap

3 Remove the diffuser and carrier

4 Mount the power supply on the profile

⚠ Please read carefully the installation of corners on P07 and P08 if you need to make connections

⚠ Do not put the power supply into water or disassemble it by yourself

5 a: Place insulation on both ends of the flexible strip and attach it to the carrier

⚠ Do not put the strip into water or make the strip exposed to water

⚠ Only the strip with copper foil on the back is needed to be protected with insulation

b: Connect the rigid modular to pins correctly (do not confuse the anode with cathode), and then slide the rigid modular into the carrier

6 Connect the wire to the power supply (do not confuse the anode with the cathode)

Connect to DIM

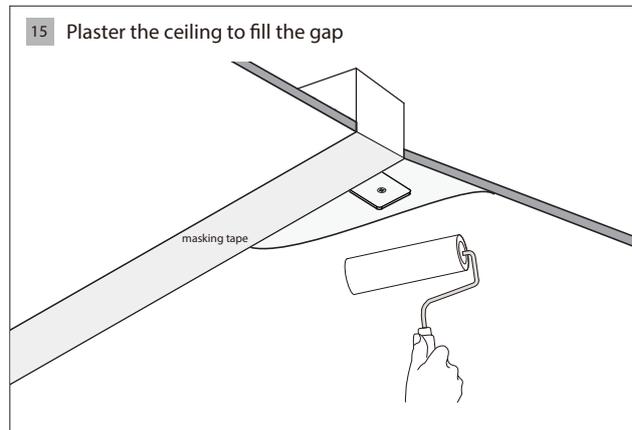
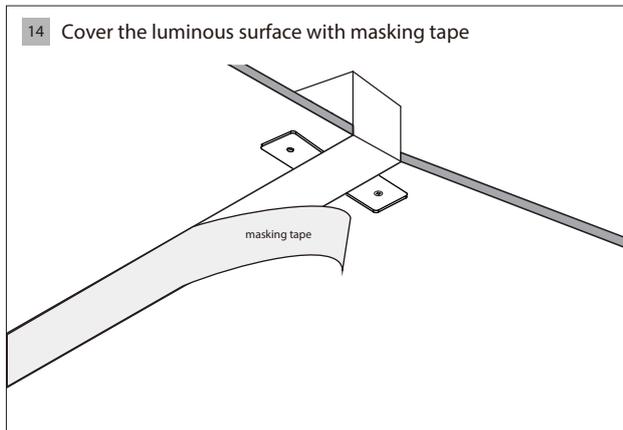
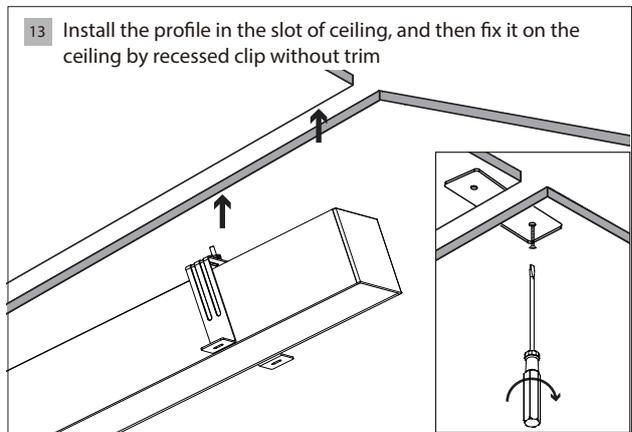
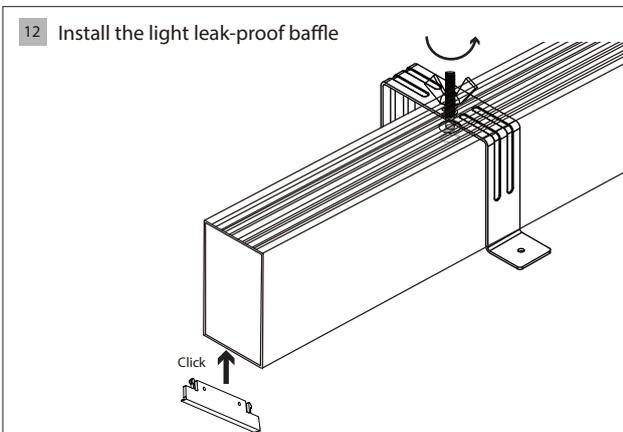
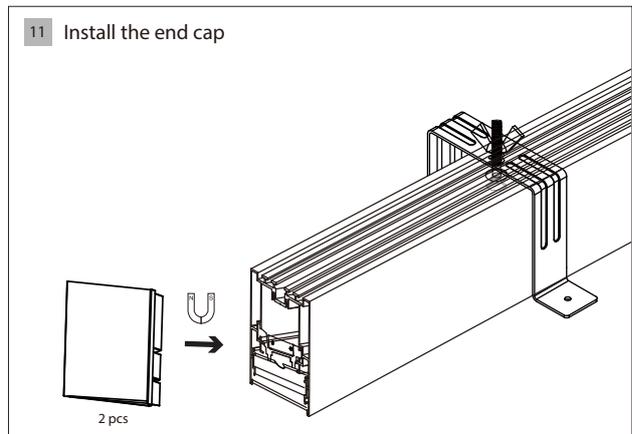
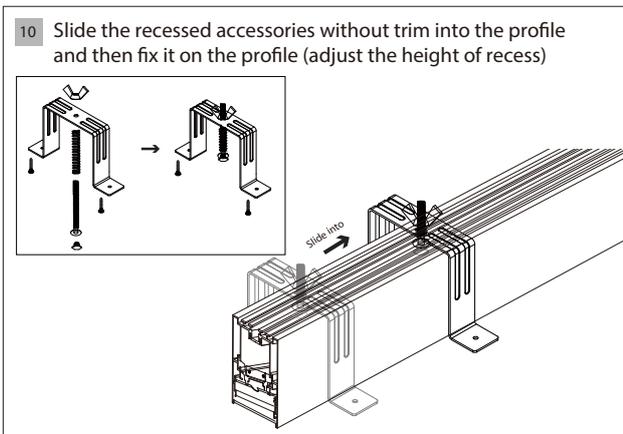
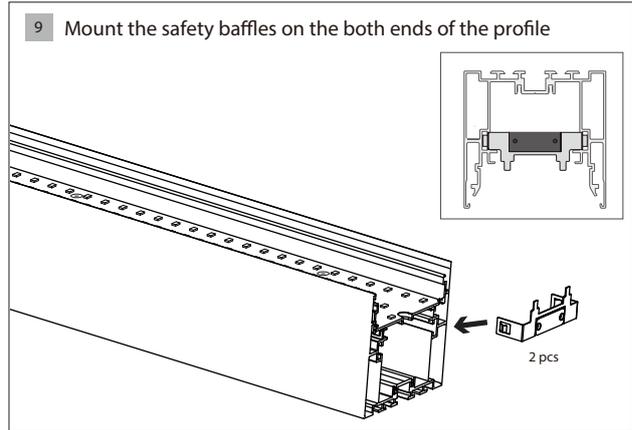
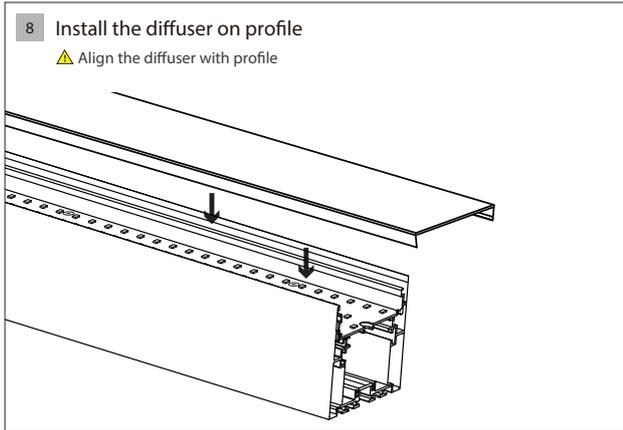
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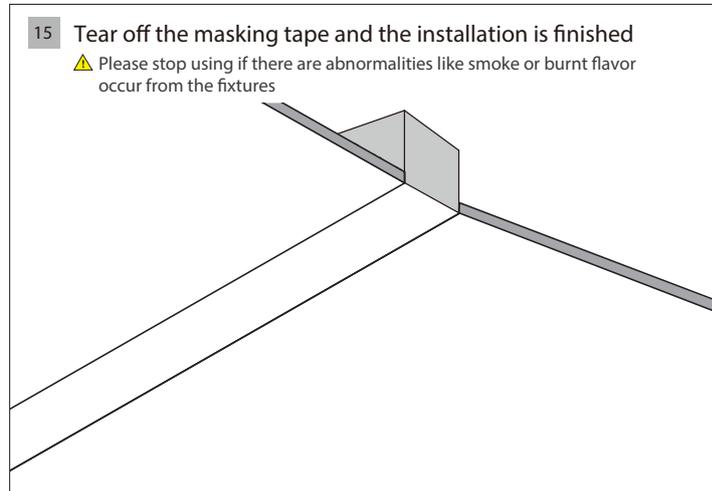
Driver

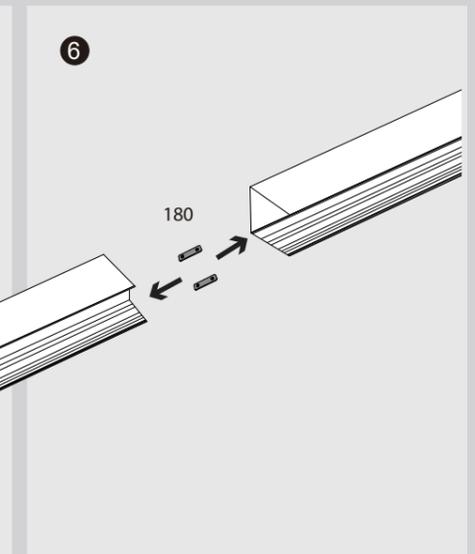
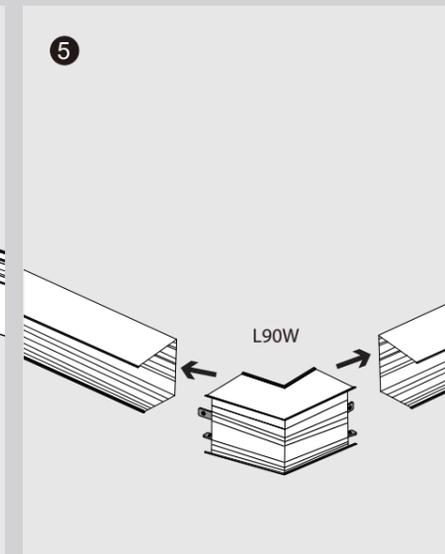
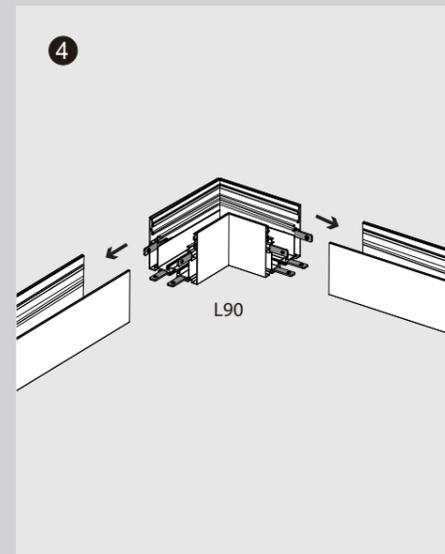
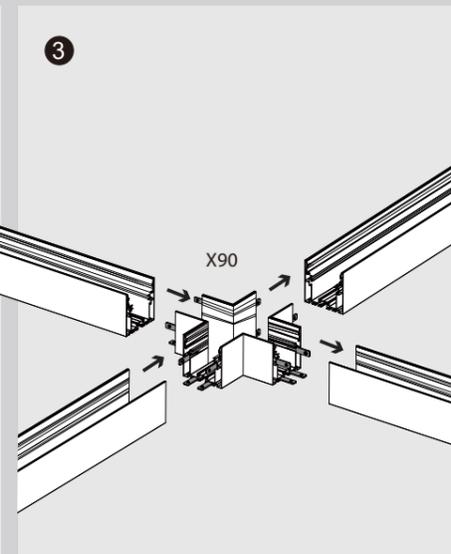
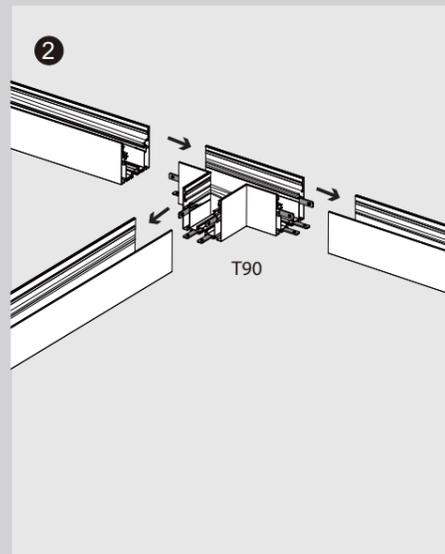
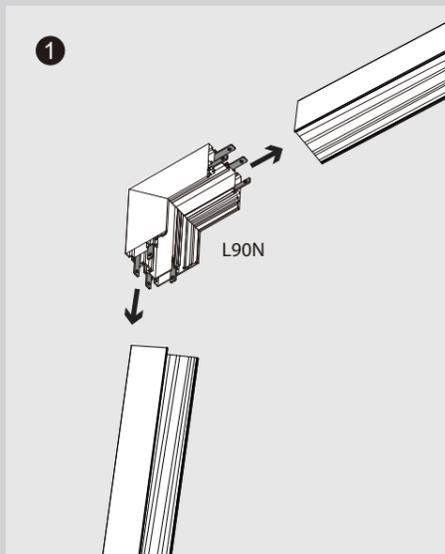
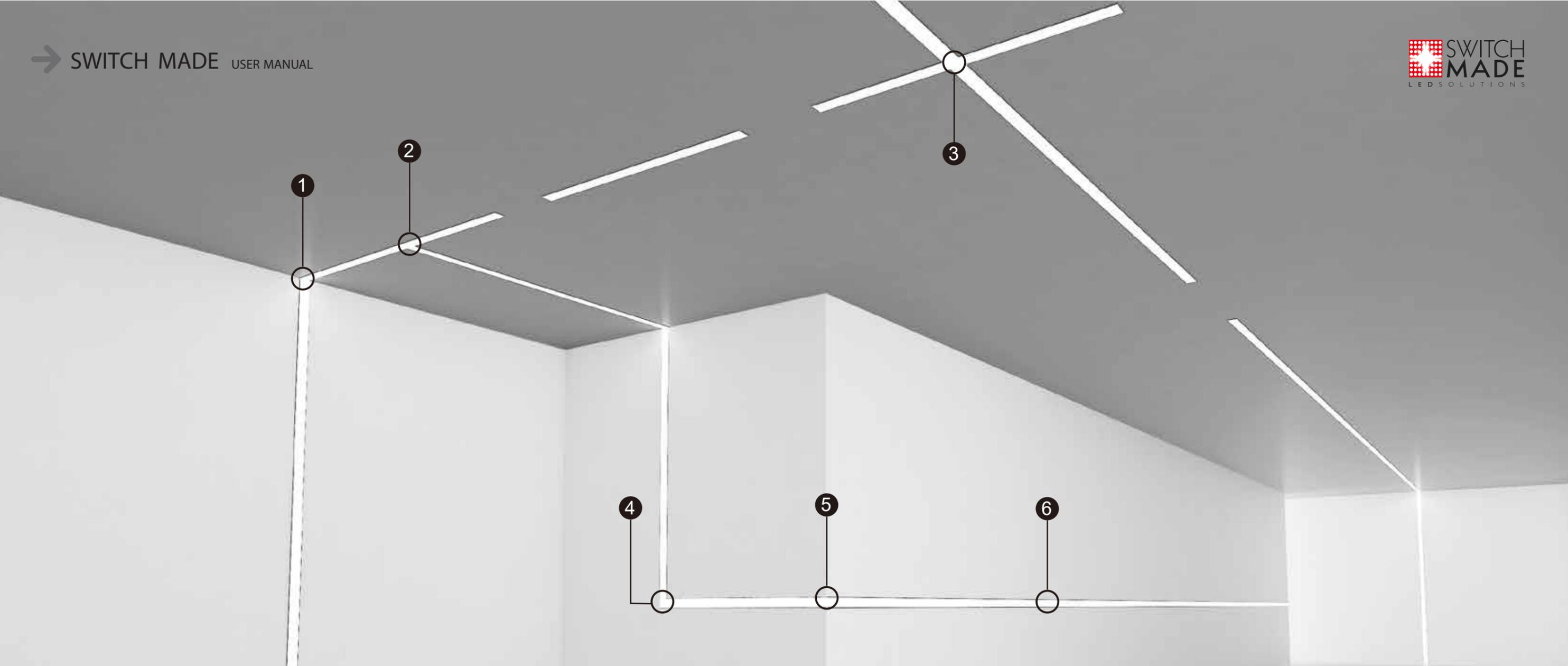
LED

⚠ Cut the earth wire and then fix it on the profile with screws (Protect the connection of earth wire with insulation)

7 Mount the carrier with strip on the profile

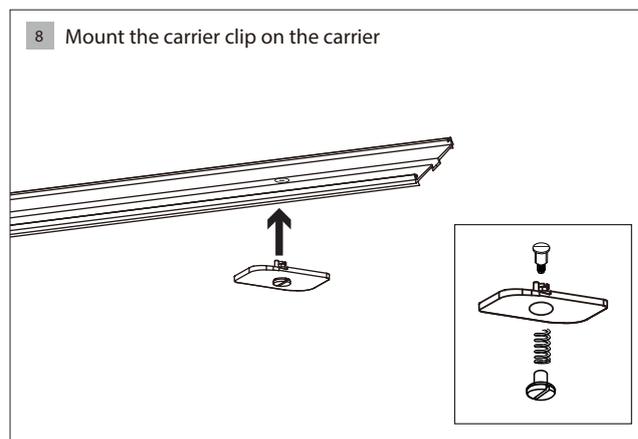
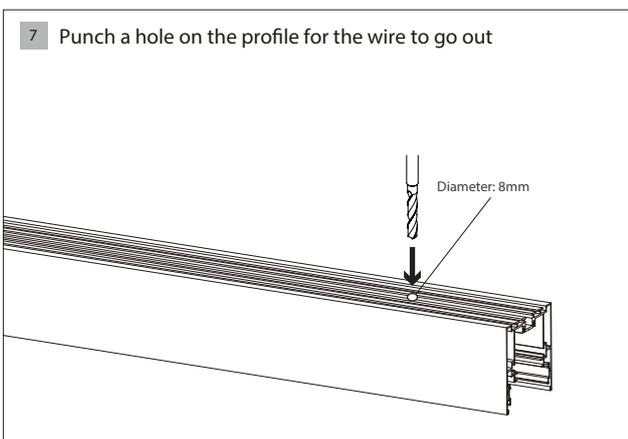
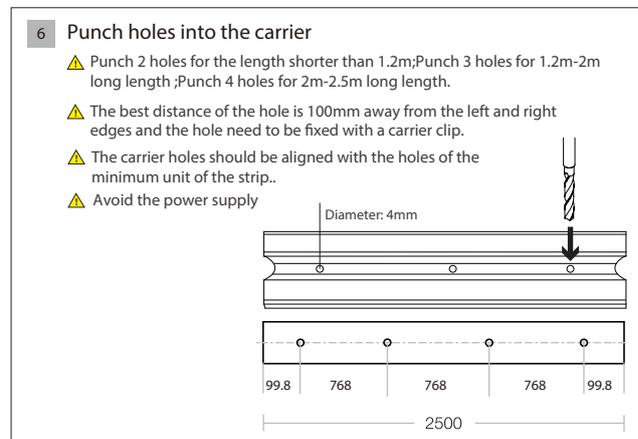
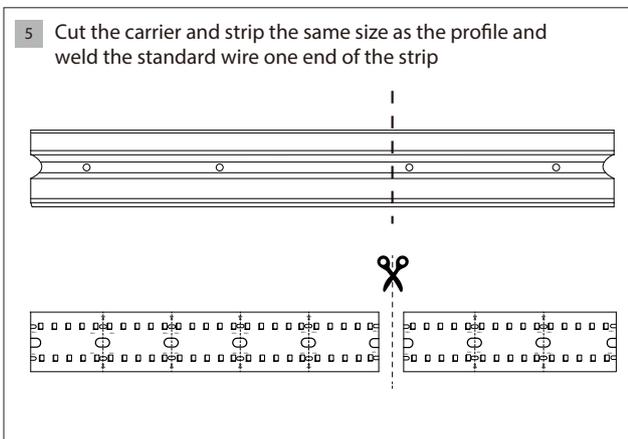
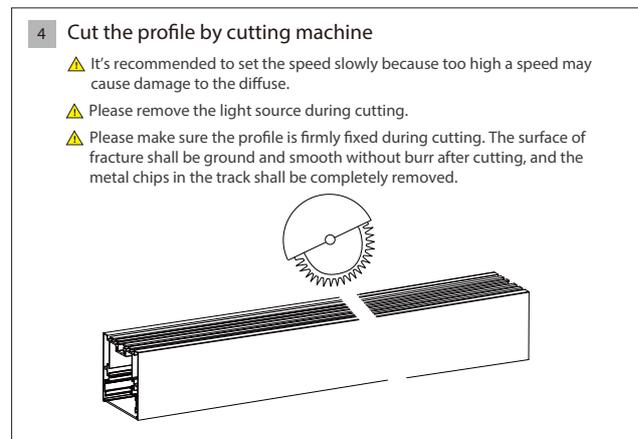
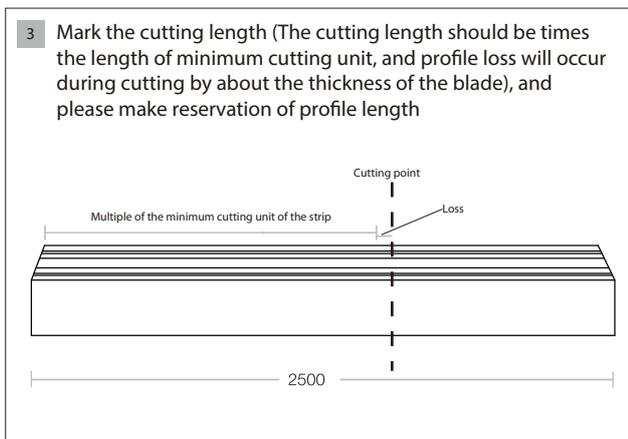
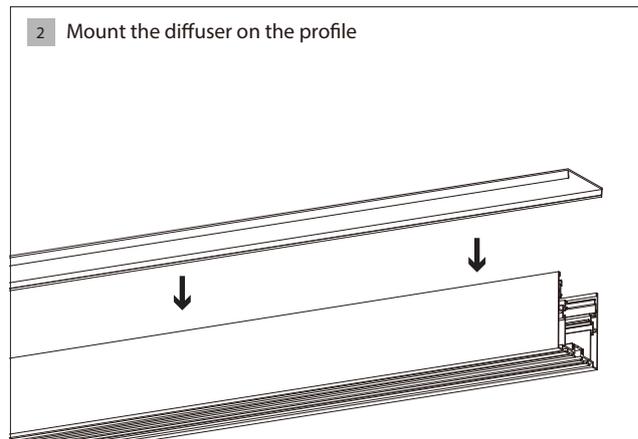
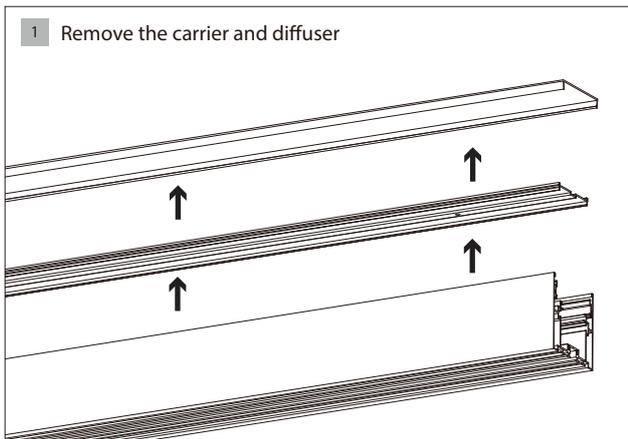






Please refer to P07 and P08 for the installation details of connectors

Cutting



Recommended power supplies

Formula: $\frac{\text{total power of power supply} - \text{power of connector}}{\text{power per meter of strip}} < \text{the length of light source that can be driven by power supply}$

e.g.: LS7977 Without connector $\frac{100W-0W}{30W/m} < 3.3m$ With connector $\frac{100W-6.6W}{30W/m} < 3.11m$

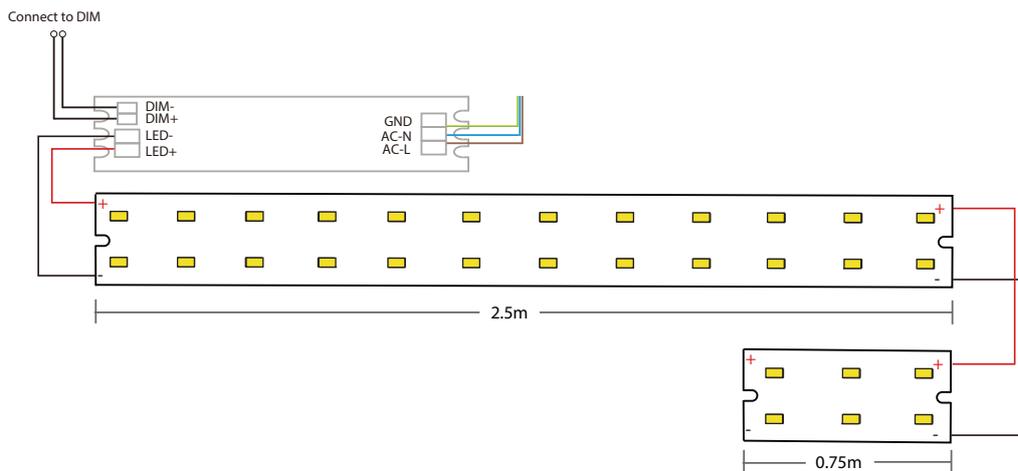
Model	Power supply	Recommended strip		Strip power	Connector power				
		Flexible strip	Rigid modular		L90	L90N	L90W	T90	X90
LINE S7977	100W	D8420-59	DY8420-62	30W/m	6.6W/m	6W/m	8.6W/m	7.6W/m	10.1W/m
LINE S10570	100W	D8560-85	DY8560-88	40W/m	7.6W/m	8.1W/m	10.1W/m	10.1W/m	12.1W/m

* Please select a suitable power supply (25W, 65W, 100W) to match the strip after cutting or assembling through the formula

e.g.: The length of strip that can be driven by LINE S7977-100W power supply

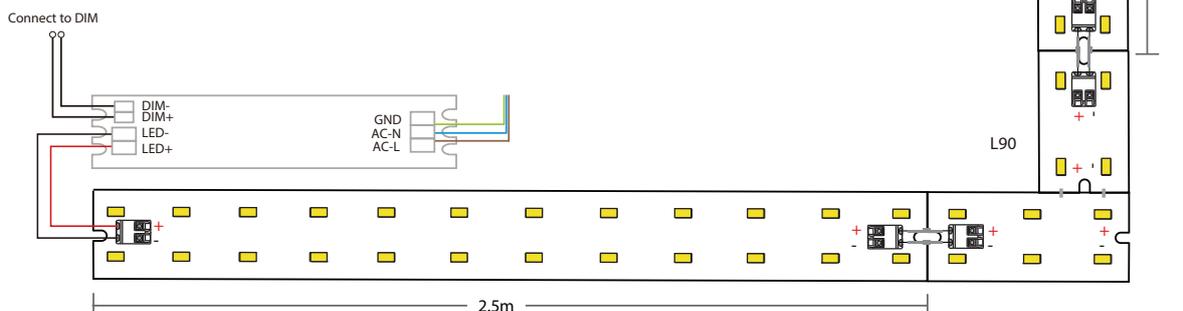
1、 Connector without light source

$100/30=3.33$ means that a maximum of 3.3m long strip with 30w/m can be driven by 100w power supply. Therefore it means that this 100w power supply can support a 2.5m long strip and 0.75m long strip (which should be cut by the minimum cutting unit).

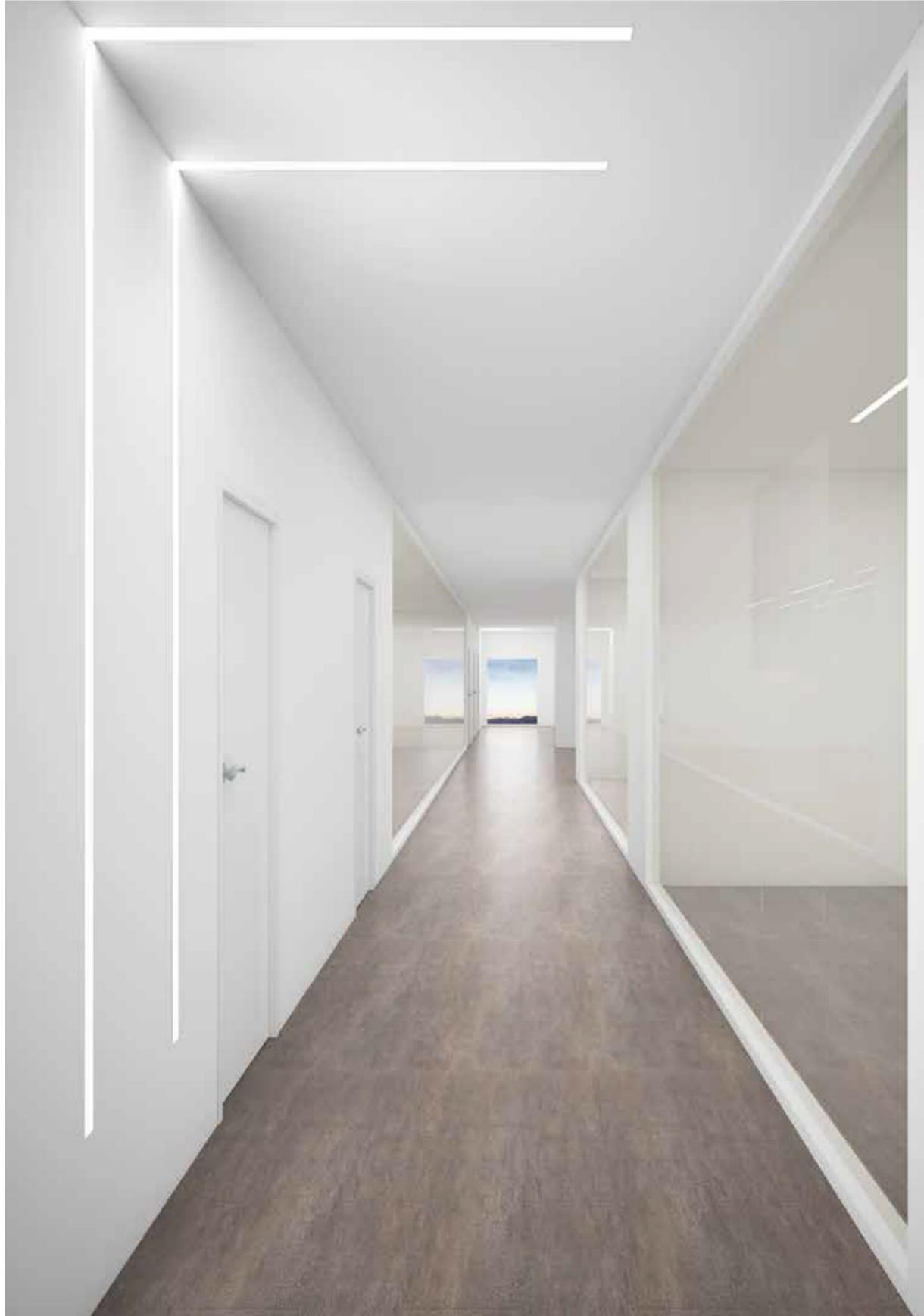


2、 Connector with light source

$(100-6.6)/30=3.11$ means that a maximum of 3.11m long strip with 30w/m can be driven by 100w power supply. Please take the light source power of the connector into consideration during connection. Therefore it means this 100w power supply can support a 2.5m long strip, L90 connector plus 0.6m long strip (which should be cut by the minimum cutting unit).



Applications





www.switch-made.com