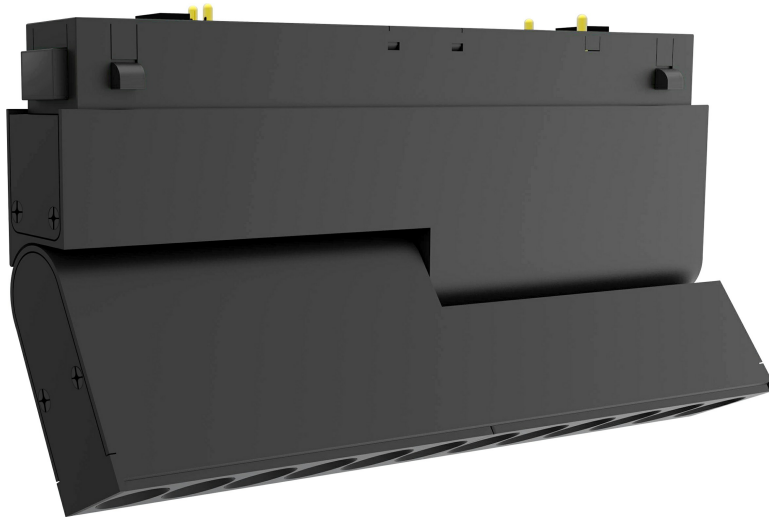


10W Magnetic Foldable Spotlight

Datasheet



CX9001



Please scan the QR code above to check the latest version of datasheet!

Before using this product, please read this datasheet carefully and keep it properly!

Document Version: C

◆◆ Overview

10W Magnetic Foldable Spotlight (hereinafter referred to as the “product” or “device”) is a magnetic spotlight used with magnetic track, primarily suitable for indoor spaces such as hotels, luxury homes, clubs, model rooms, sales offices, museums, restaurants, shopping malls, shops, etc., which require special lighting.

Main functions:

- 10W Magnetic Foldable Spotlight with black painted finish (RAL 9005);
- Built-in DALI dimming driver/ON-OFF driver;
- LED 10W;
- Measurement 195mm x 20mm; height of the profile inset is 82mm;
- High color rendering at an index of CRI90;
- After a lifetime of 50000h min. 80% of the luminous flux;
- Precise beam characteristic with 12°/34°/55° beam angles;
- Lighting perfectly suitable for reading, writing as well as computer and control work according to DIN EN 12464-1(UGR<15);
- Degree of housing protection according to DIN EN 60529 (IP20).

Note: Please note that the pictures and illustrations provided in this instruction manual are for reference purposes only, and the actual product may differ.

◆◆ Appearance



Figure 1

◆◆ Technical Data

| Item | Parameter |
|------------------------------|-------------|
| LED | |
| Adjustable color temperature | 2800K-6000K |

| | |
|--------------------------------|--|
| Fixed color temperature | 2700K/3000K/3500K/4000K/5000K |
| CRI | >90 |
| L80B10 lifetime | 50,000h |
| SDCM | 3 |
| Optics | |
| CCT light beam angle | 12°/34°/55° |
| UGR | < 15 |
| System Output | 600lm |
| Power supply parameters | |
| LED Driver | DALI dimming driver/ON-OFF driver |
| LED Power | 10W |
| Rated voltage | Fixed CCT Light with On/Off Driver: 48V The other two: 36V |
| Rated current | Fixed CCT Light with On/Off Driver: 210mA The other two: 250mA |

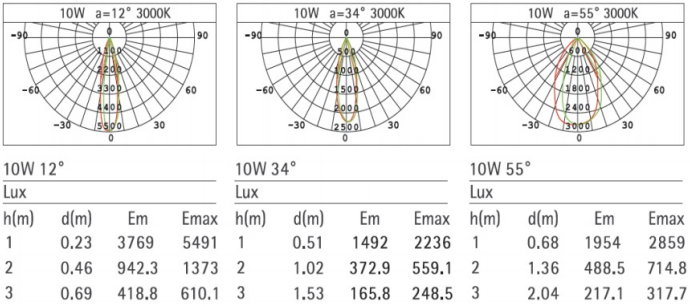


Figure 2- Adjustable Color Temperature - Light Distribution

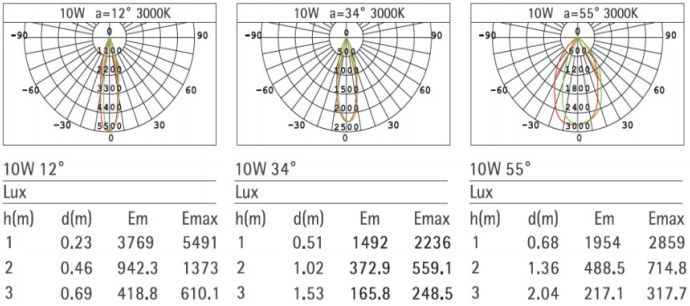


Figure 3- Fixed Color Temperature - Light Distribution

Note: The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors.

◆◆ Specifications

| Item | Parameter |
|-------------------------------------|------------------------|
| Dimensions | 195mm x 20mm |
| Height | 82mm |
| Type | General Light |
| Weight | 349g |
| Installation | Install onto the track |
| Installation site | Indoor |
| Housing | Black |
| IP degree (compliant with EN 60529) | IP20 |

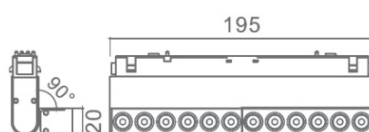


Figure 4

◆◆ Safety Precaution

Danger:

- Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.
- Under no circumstances should the product be covered by insulation pads or similar materials.

Warning:

- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. (hereinafter referred to as HDL) or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.
- HDL will not be responsible for any consequence caused by the inexpert or faulty installation and wiring methods, which are not in accordance with the instructions contained in this datasheet.
- Please contact HDL after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to the warranty.

Caution:

- Before performing any installation or disassembly procedures on the device, it is crucial to disconnect the device from all voltage sources. This step is necessary to ensure the safety of the technician and prevent any potential damage to the device.
- Do not use corrosive liquid to wipe the device body, especially the interface, so to avoid damage to the device. Do not wipe the device with a damp cloth.

- Before performing any maintenance or cleaning procedures on the device, it is imperative to disconnect the device from all voltage sources. This precautionary measure is necessary in order to prevent electric leakage and the risk of electric shock.
- After all of the cables are terminated, check for correct and good terminations.
- Overrange is not allowed. Please use the device in accordance with the technical specifications.

Note:

- The use of this product must not violate any safety regulations, and the product must be 800mm away from the illuminated object.
- Ensure that this product is securely fastened to the surface of the installed object and not installed on ceilings that are easily damaged or deformed.
- In order to extend the service life and maintain the best lighting effect, it is recommended to regularly clean and maintain the product.

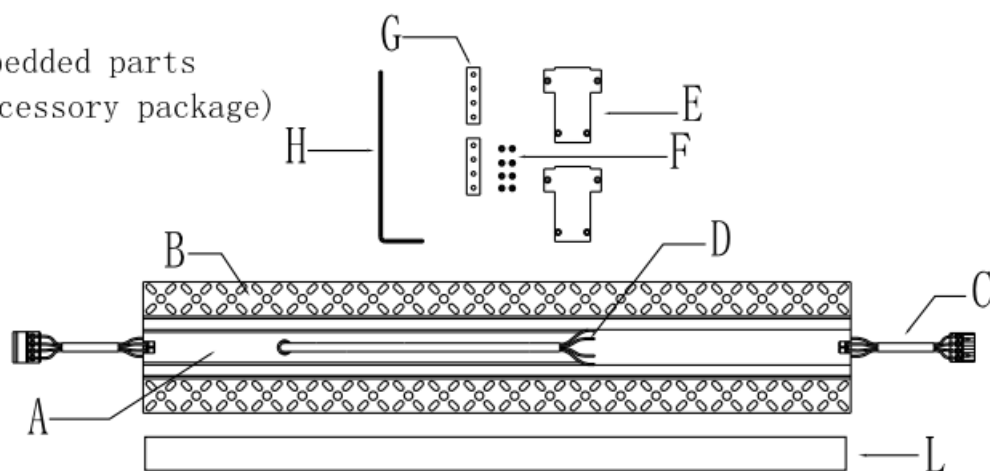
◆◆ Installation

Warning: Before performing any installation or disassembly procedures on the device, it is crucial to disconnect the device from all voltage sources. This step is necessary to ensure the safety of the technician and prevent any potential damage to the device.

This installation instruction includes installation of pre-embedded magnetic tracks, surface mounted magnetic tracks, and suspension magnetic tracks.

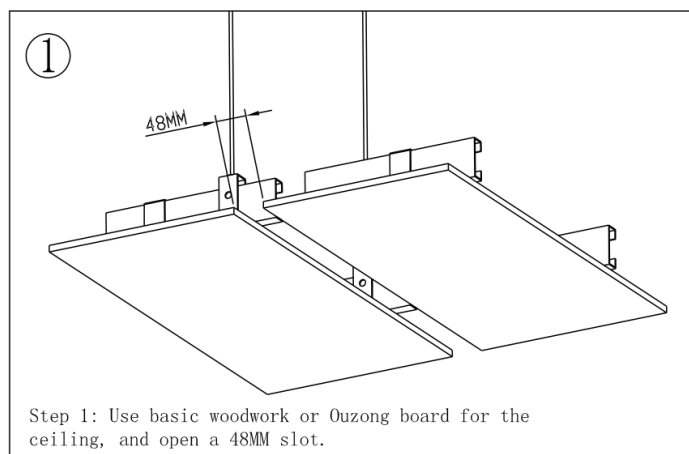
Installation of pre-embedded magnetic tracks is as follows:

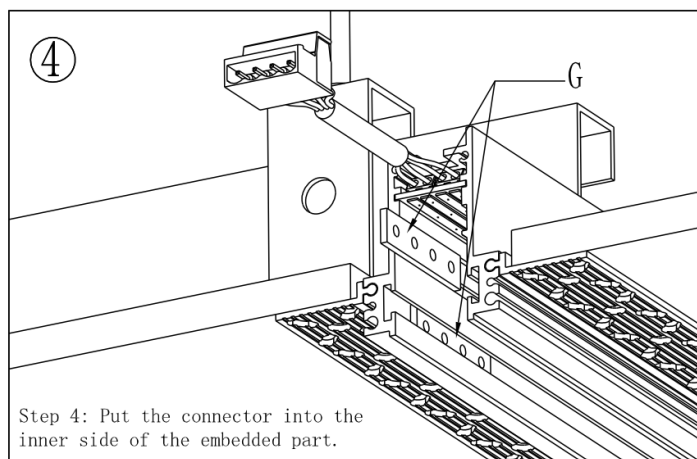
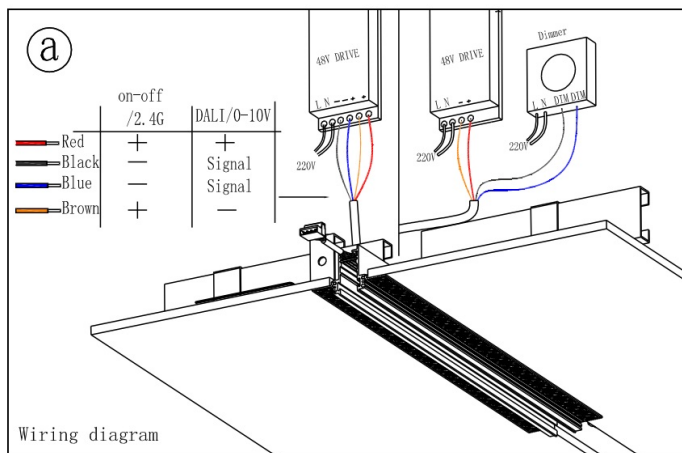
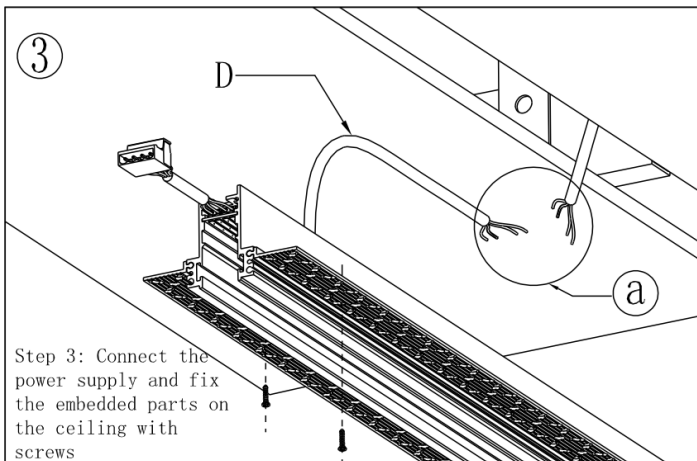
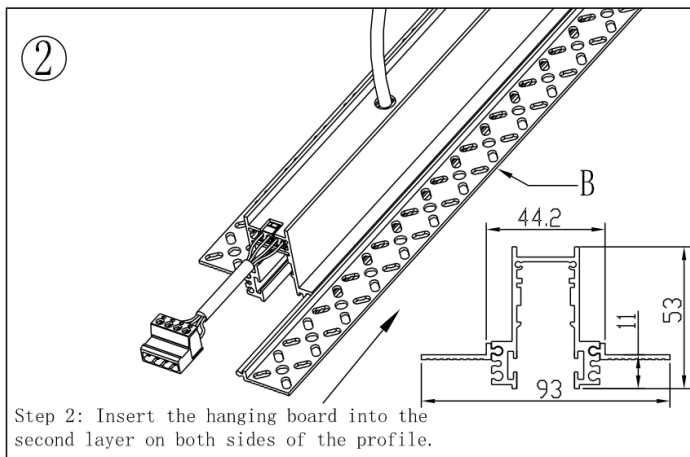
Embedded parts
(accessory package)

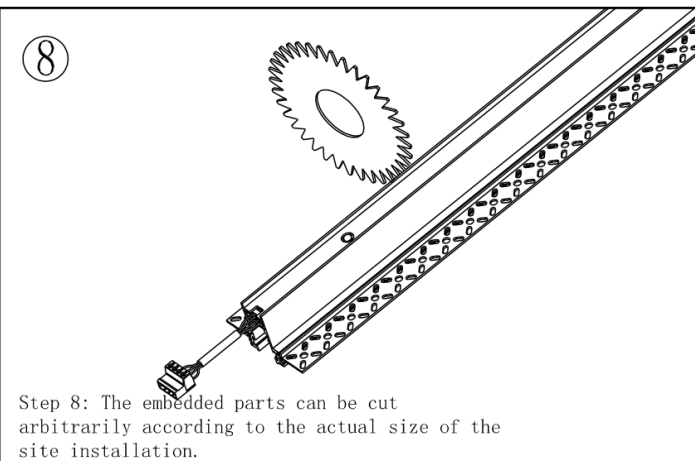
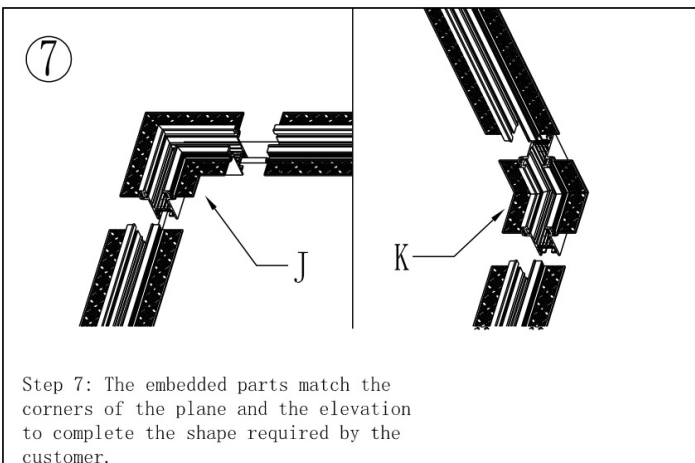
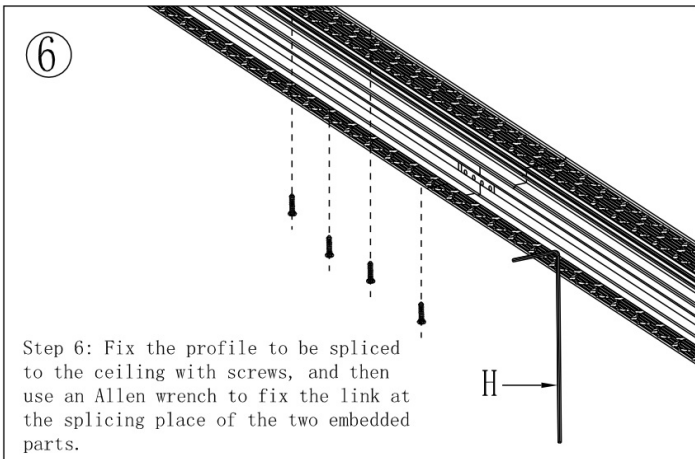
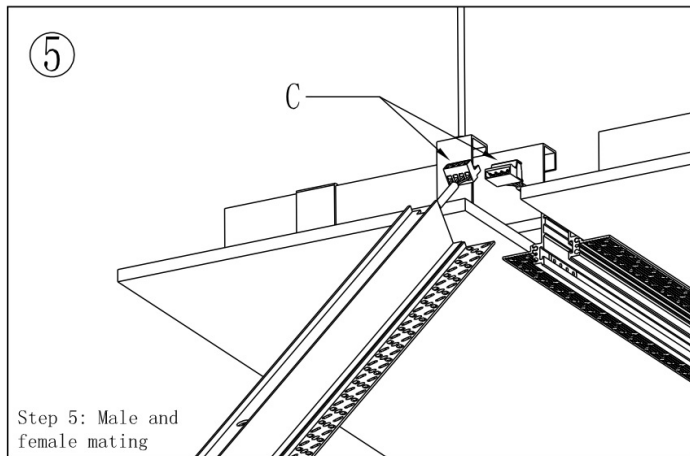


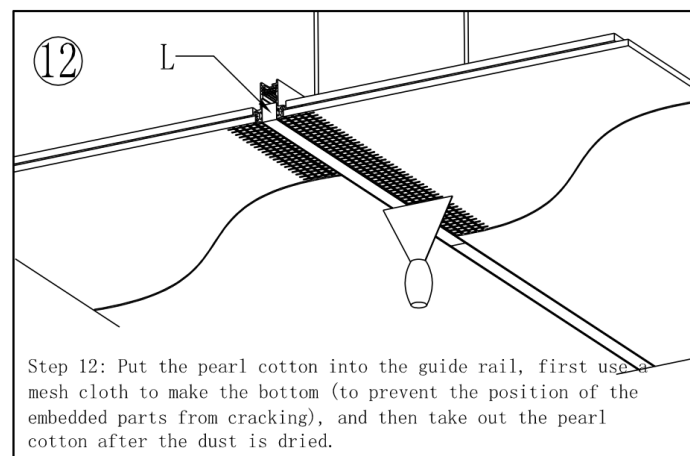
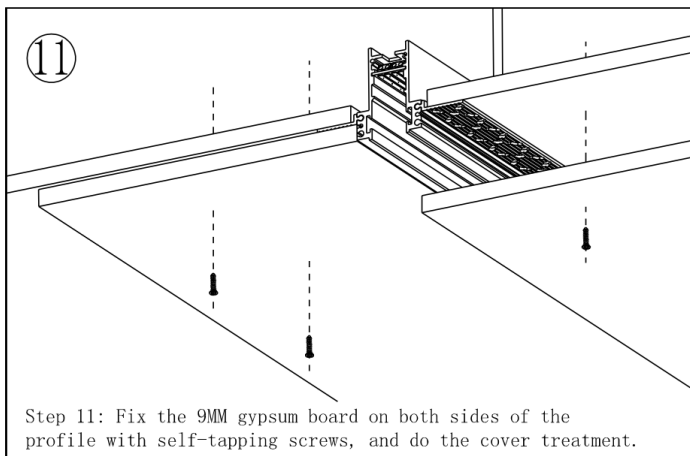
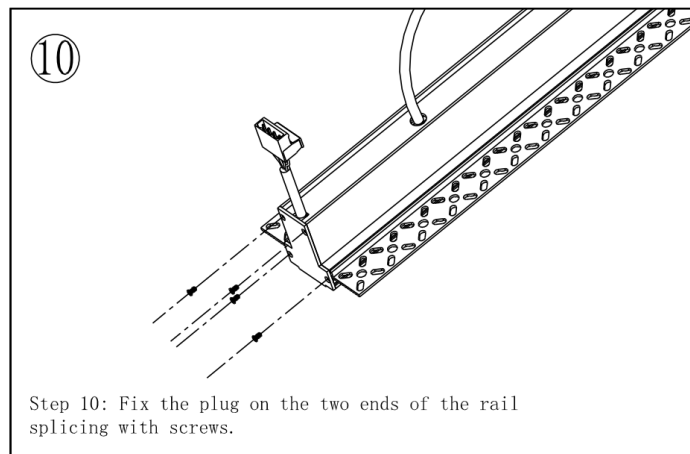
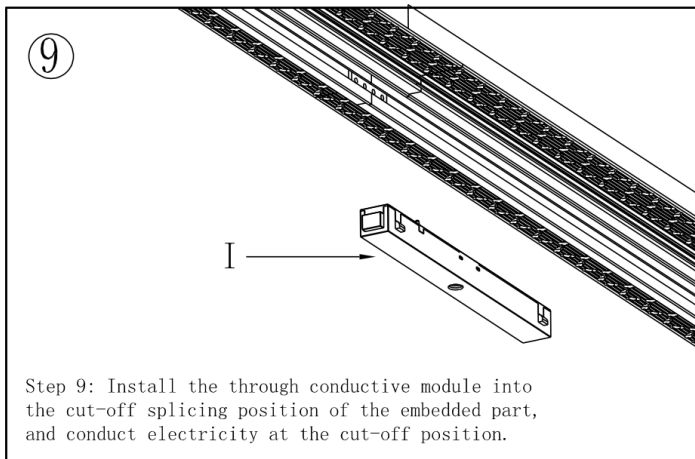
| NO | Model | Name | specification |
|----|--------|---------------------------|---|
| A | 603010 | Guide | 1000*40.3*53MM |
| | | Guide | 2000*40.3*53MM |
| B | | Hanging board*2 | 1000*30.1*6.1MM |
| C | | Male and female plug*2 | Male and female plug pluggable, 6A |
| D | | Power cord | 500MM*0.75 ² |
| E | | Plug*2 | 53*40.3*2MM |
| F | | Screw*8 | M3*6 |
| G | | Connector*2 | 40*9.5*1.8MM |
| H | | Allen wrench*1 | 120MM M2 |
| I | | Through conductive module | Turn on and cut off the electricity of the embedded parts |
| J | 603901 | Flat corner | 124*124*53MM |
| K | 603902 | Facade corner | 102*102*53MM |
| L | | Pearl cotton | |

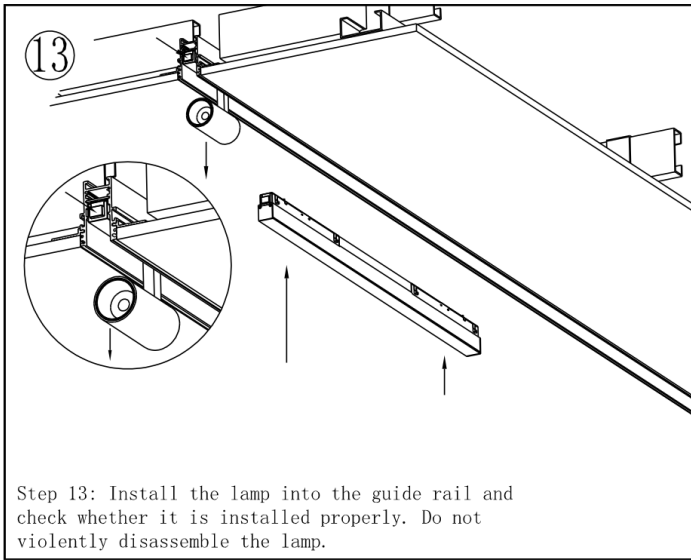
Procedures:



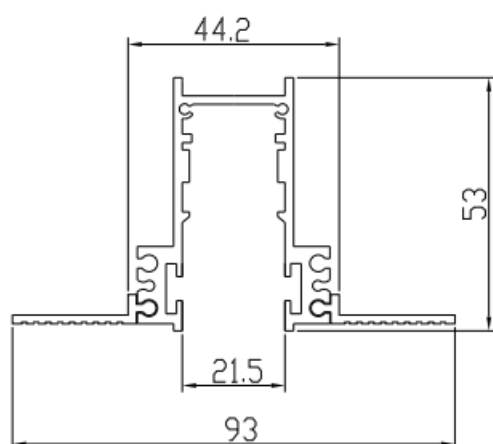
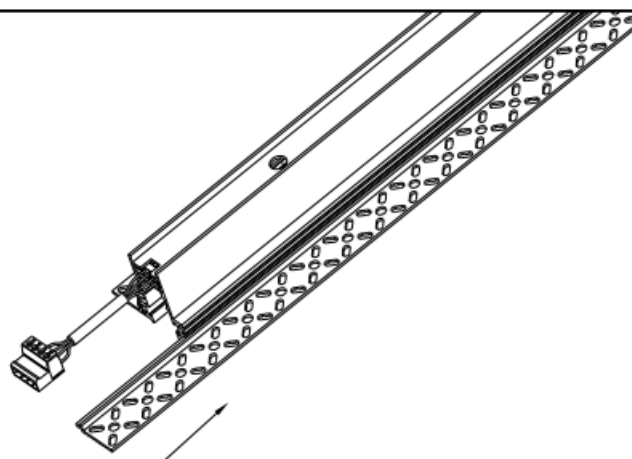








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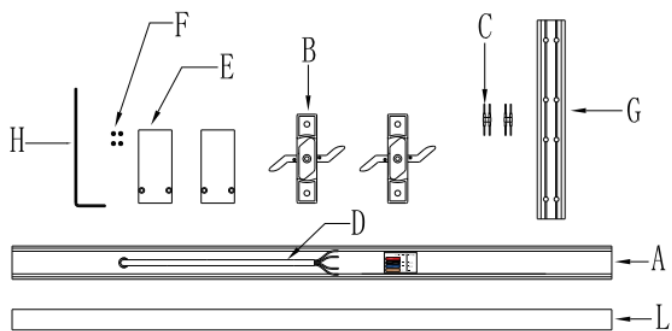


Embedded installation method two:

This installation method is suitable for the environment where the ceiling has been completed and a combination lamp needs to be installed.

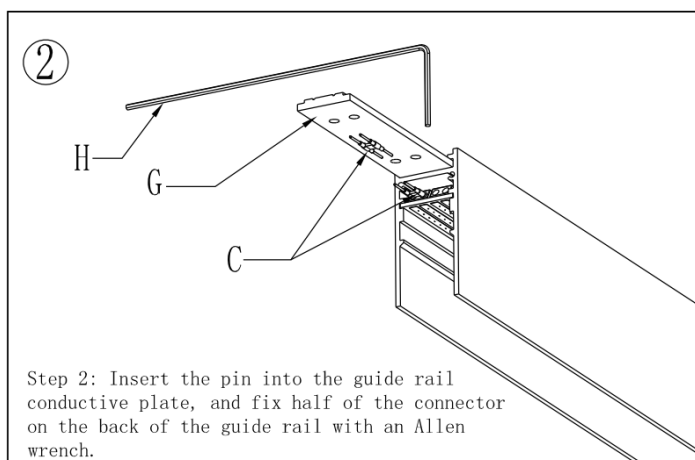
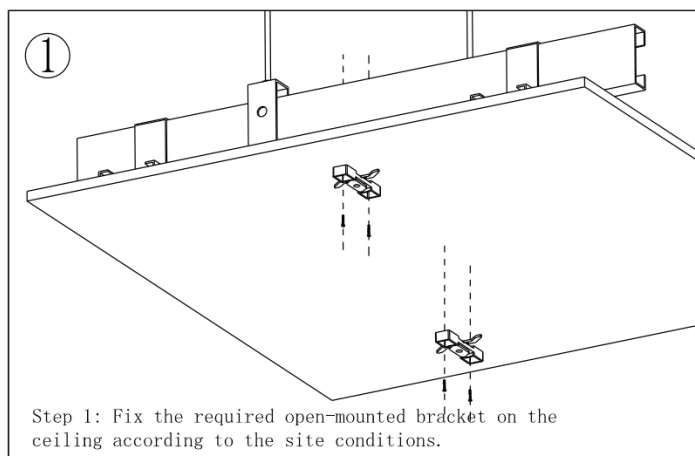
1. Open a groove with a width of 48mm and a depth of >55mm in the finished ceiling.
2. Insert the hanging board into the first layer of the embedded part profile.
3. Refer to other steps 3、4、5、6、7、8、9、11、12.

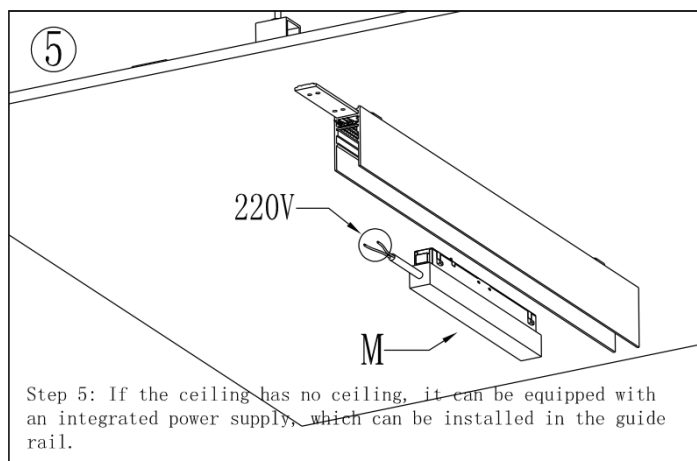
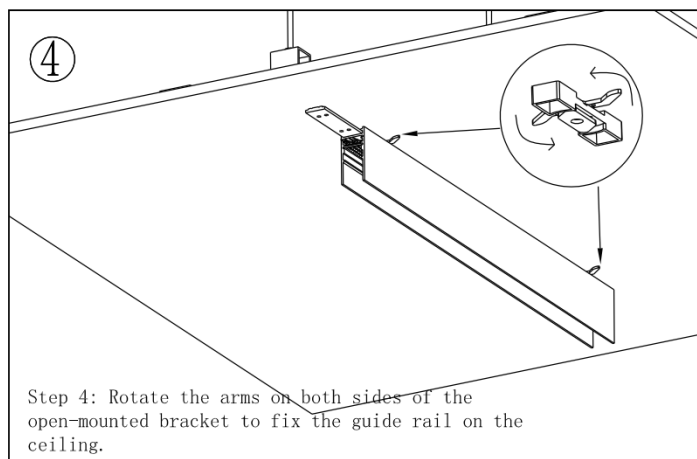
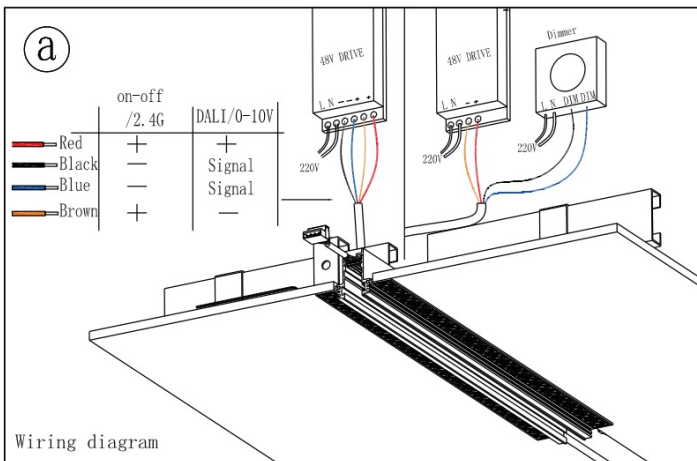
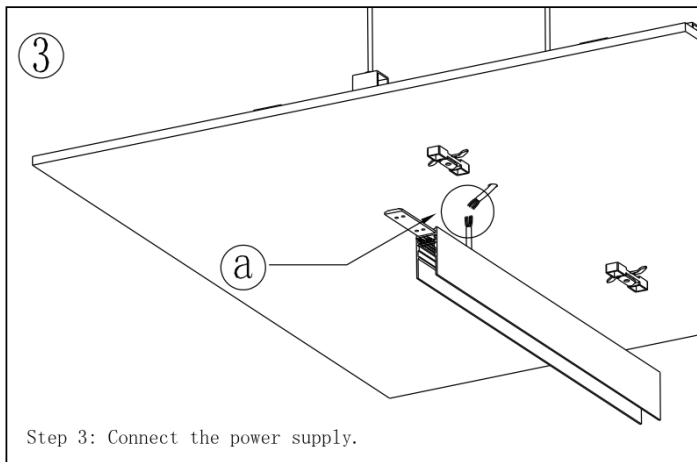
Installation of surface mounted magnetic tracks is as follows:

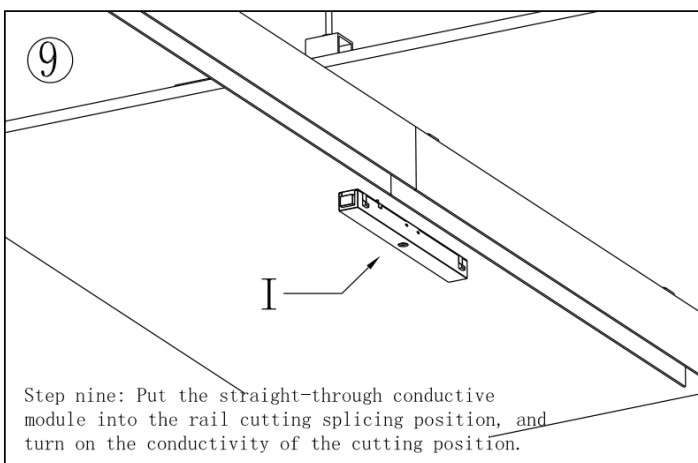
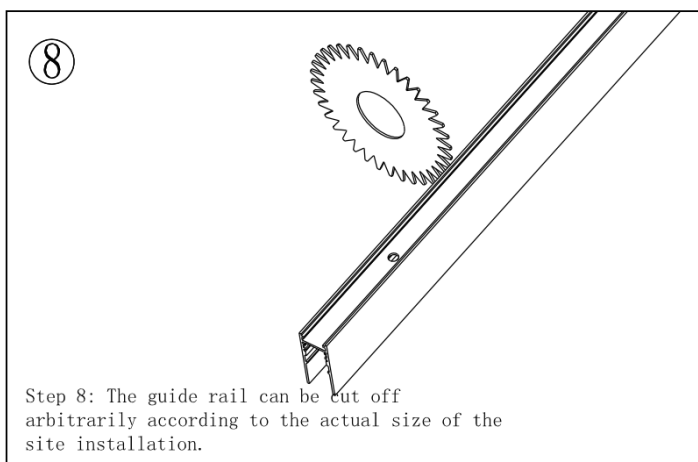
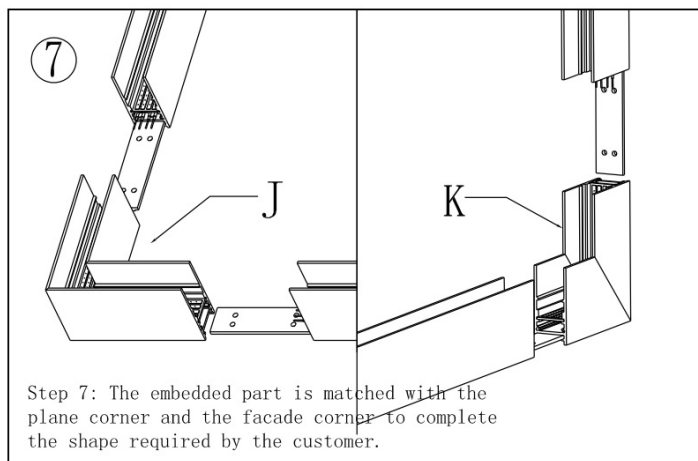
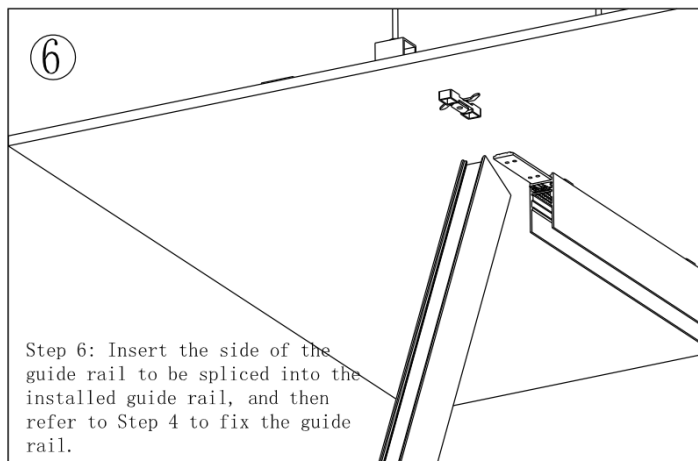


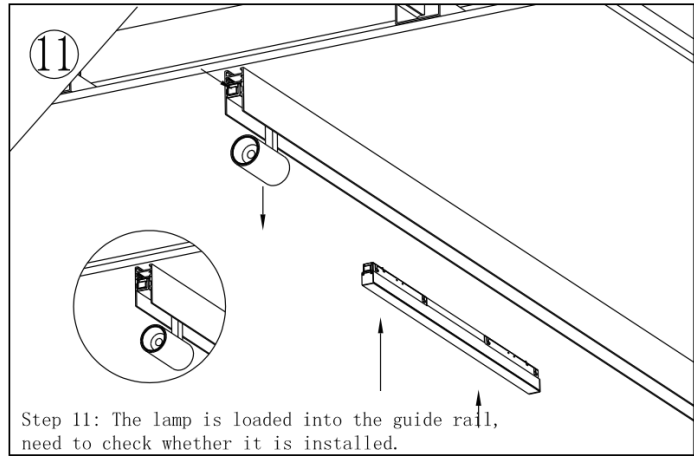
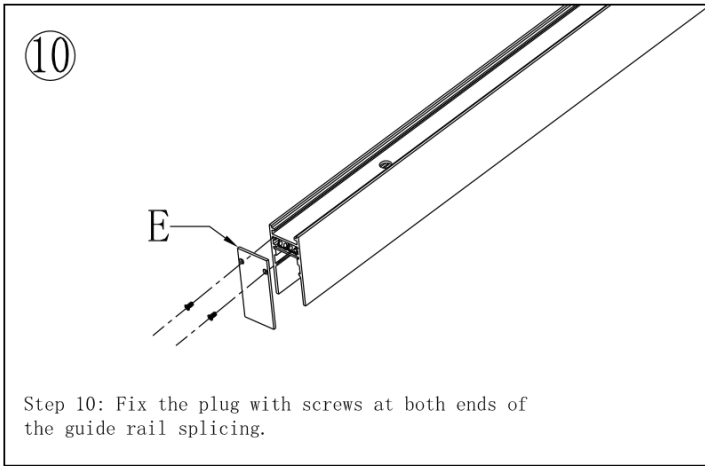
| NO | Model | Name | specification |
|----|--------|--------------------|---------------------------|
| A | 603110 | Rail | 1000*25.1*55MM |
| | | Rail | 2000*25.1*55MM |
| B | | Mounting bracket*2 | 67*25.2*9.3MM |
| C | | Pin*2 | 3A |
| D | | Power cord | 500MM 4*0.75 ² |
| E | | Cap*2 | 55.1*25.1*2MM |
| F | | Cap screw*4 | M3*6 |
| G | | Connector*1 | 150*21*3.5MM |
| H | | Wrench*1 | 120MM M2 |
| I | | Conducting module | |
| J | 603903 | Flat corner | 100*100*25.1MM |
| K | 603904 | Elevation corner | 100*100*25.1MM |
| L | | Pearl wool | |
| M | | Power source | 100W/150W/200W |

Procedures:

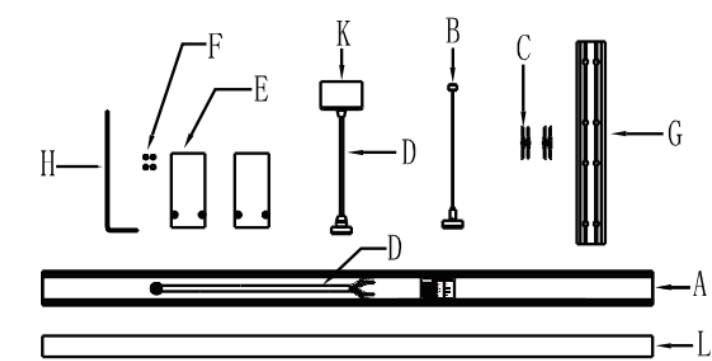




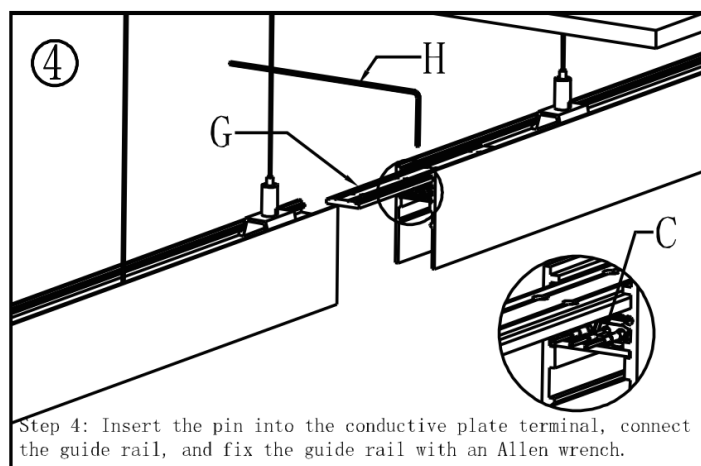
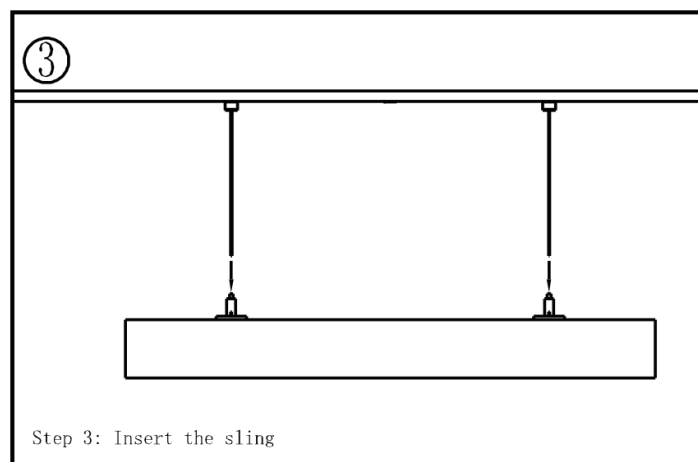
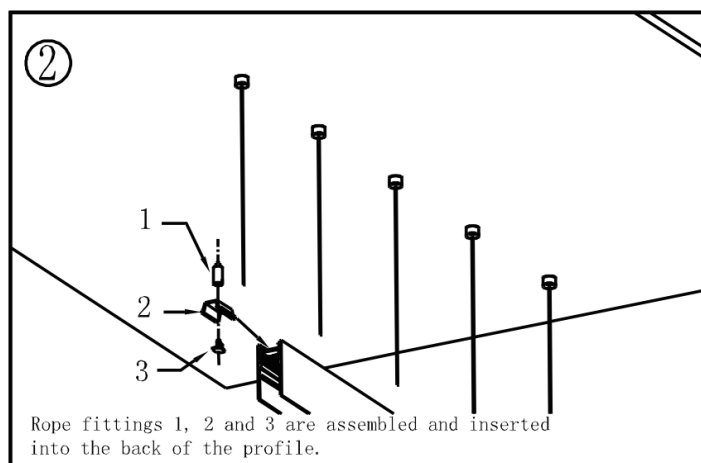
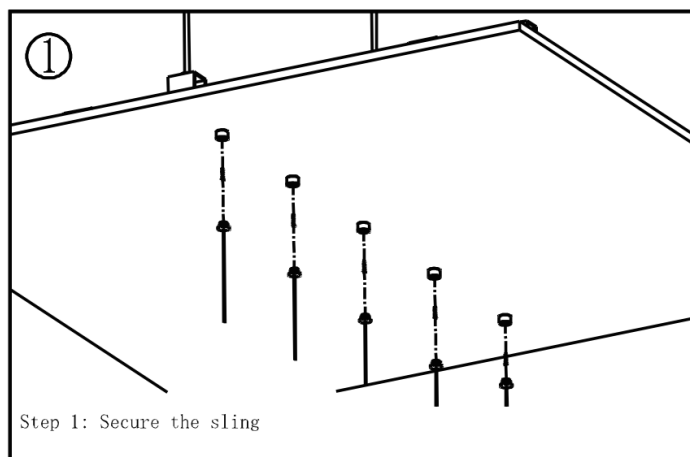




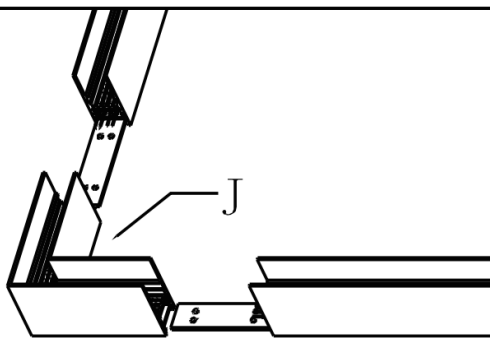
Installation of suspension magnetic tracks is as follows:



| NO | Model | Name | specification |
|----|--------|-------------------|----------------------------|
| A | 603310 | Rail | 1000*25.1*55MM |
| | | Rail | 2000*25.1*55MM |
| B | | Sling assembly | 2M |
| C | | Pin*2 | 3A |
| D | | Power cord | 1500MM 4*0.75 ² |
| E | | Cap*2 | 55.1*25.1*2MM |
| F | | Cap screw*4 | M3*6 |
| G | | Connector*1 | 150*21*3.5MM |
| H | | Wrench*1 | 120MM M2 |
| I | | Conducting module | |
| J | 603903 | Flat corner | 100*100*25.1MM |
| K | | Power cord kit | |
| L | | Pearl wool | |
| M | | Power source | 100W/150W/200W |

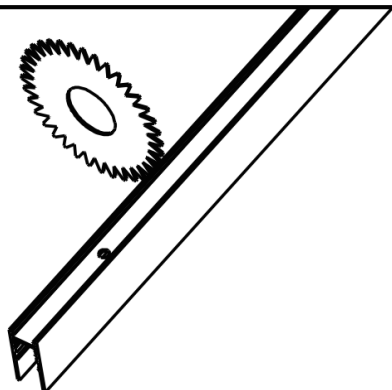


⑤



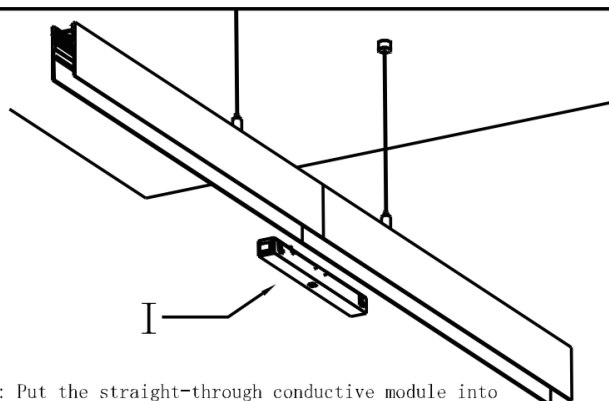
Step 5: The embedded part is matched with the flat corner to complete the shape required by the customer

⑥



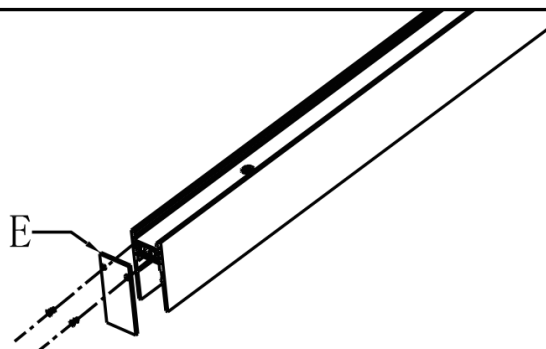
Step 6: The guide rail can be cut off arbitrarily according to the actual size of the site installation.

⑦

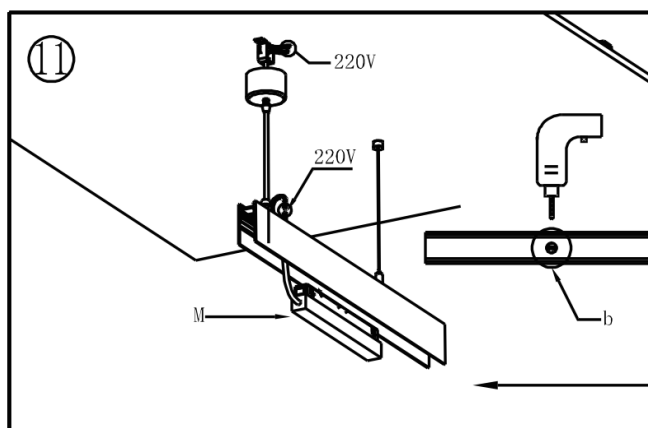
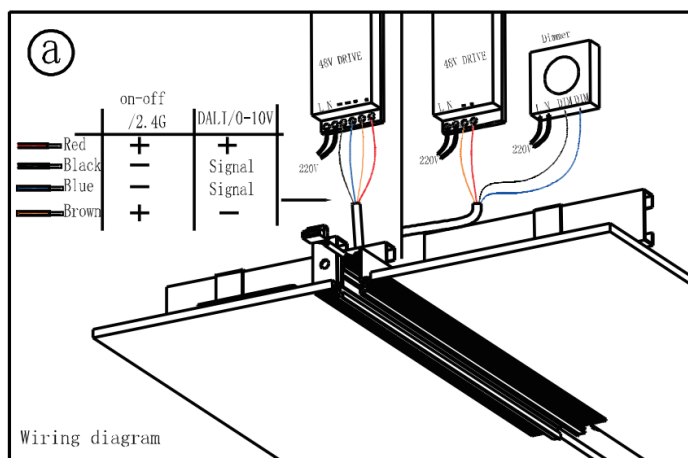
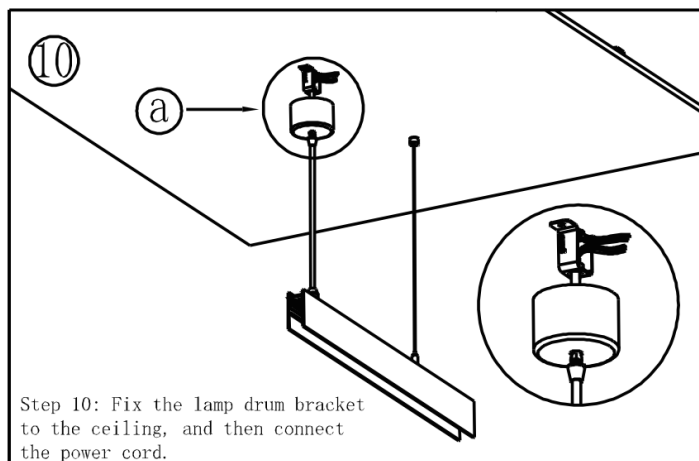
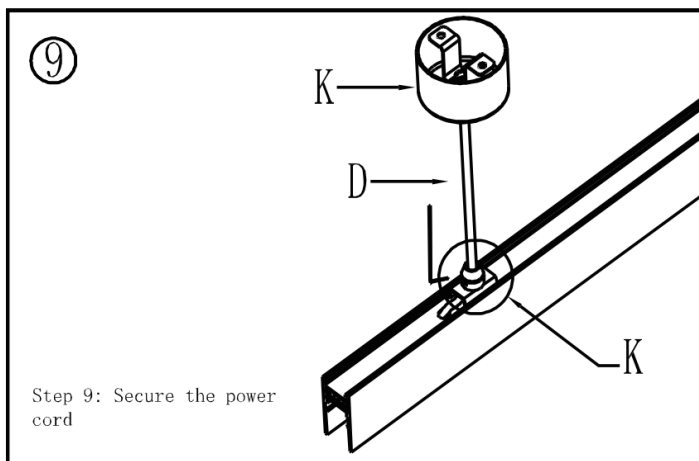


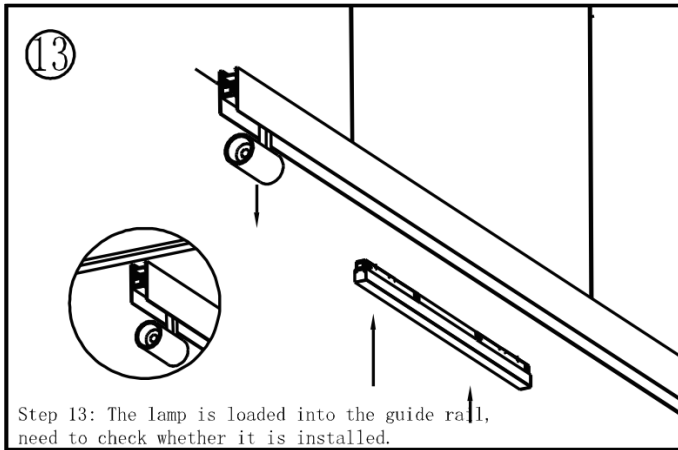
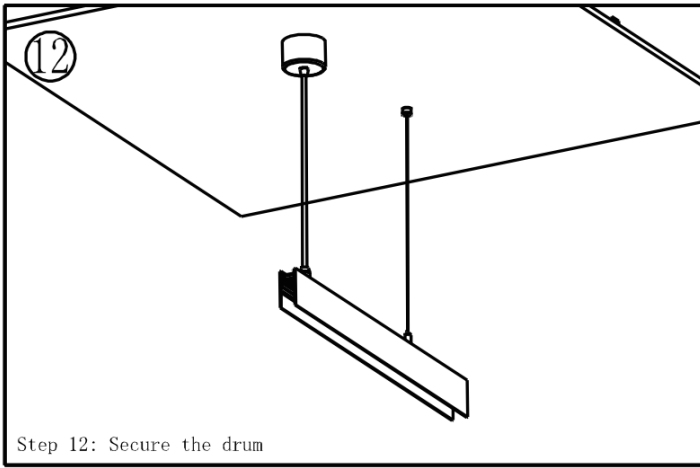
Step 7: Put the straight-through conductive module into the guide rail to cut off the splicing position, and turn on the conductivity of the cut off position.

⑧



Step 8: Lock the plug





◆◆ Disassembly

Warning: Before disassembling, please cut off the power supply, and operation with electricity is prohibited.

◆◆ Packing List

- Different installation methods have different accessory packages. Please refer to the installation instructions for details.

Note: After unpacking, please check if the product and the parts are complete.

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Update History:

The form below contains the information of every update. The latest version contains all the updates of all former versions.

| Version | Update Information | Date |
|---------|--------------------|----------------|
| V1.0 | Initial release | Sept. 19, 2025 |

◆◆ Technical Support

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