1M Pre-embedded Magnetic Track

Datasheet



CX-YM1000

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

Document Version：C

◇◆ Overview

1M Pre-embedded Magnetic Track (hereinafter referred to as the “product” or “device”) is a track for magnetic lights, 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:

- 1M Pre-embedded Magnetic Track with black painted finish (RAL 9005);
- Measurement 1000mm x 85mm; height of the profile inset 55mm;
- Degree of housing protection according to DIN EN 60529 (IP20);
- Additional power supply required: 48V Power Supply.

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

◇◆ Specifications

Item	Parameter
Dimensions	1000mm x 85mm
Cutout	40mm x 65mm
Height	55mm
Weight	1400g
Installation site	Indoor
Light type	Magnetic Track
Installation	Pre-embedded
Housing	Black

IP degree (compliant with EN 60529)	IP20

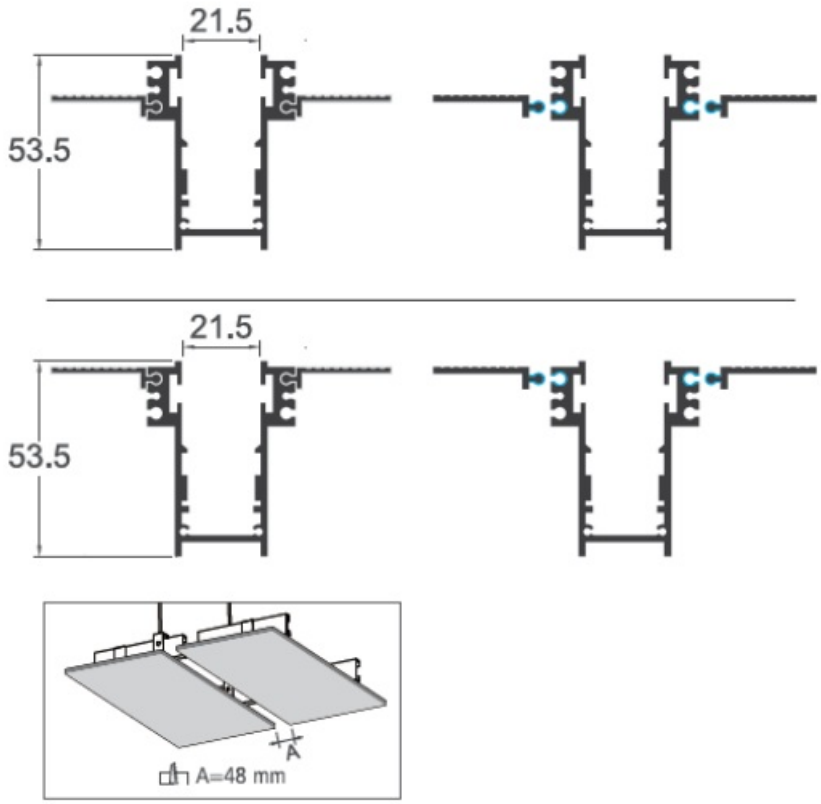


Figure 2

◇◆ 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.

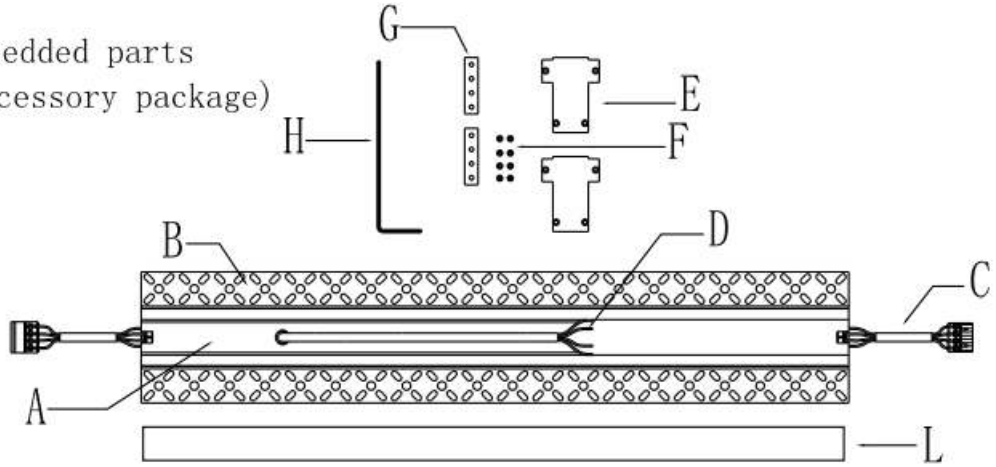
◇◆ Installation

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.

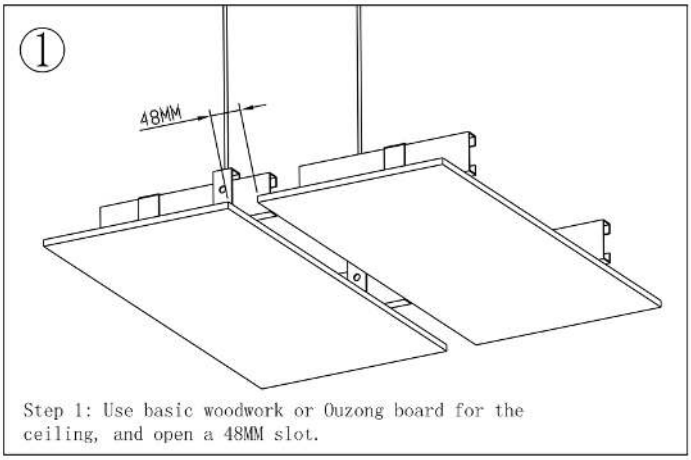
Installation of pre-embedded magnetic tracks is as follows:

Embedded parts
(accessory package)

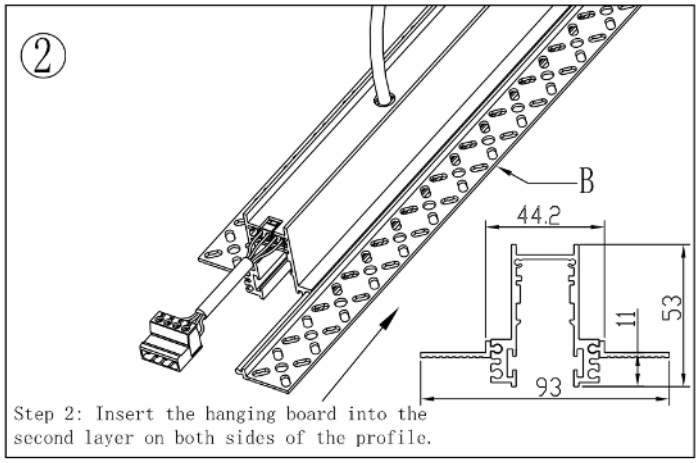


NO	Model	Name	specification
A	603010	Guide	1000*40.3*53MM
		Guide	2000*40.3*53MM
B		Hanging board*2	1000*30.1*6.1MM
C		Male and female plug*2	Male and female plug pluggable, 6A
D		Power cord	500MM*0.75²
E		Plug*2	53*40.3*2MM
F		Screw*8	M3*6
G		Connector*2	40*9.5*1.8MM
H		Allen wrench*1	120MM M2
I		Through 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	

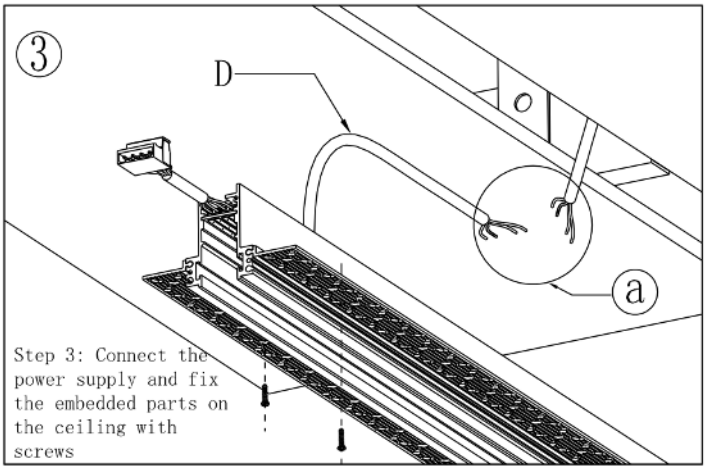
Procedures:



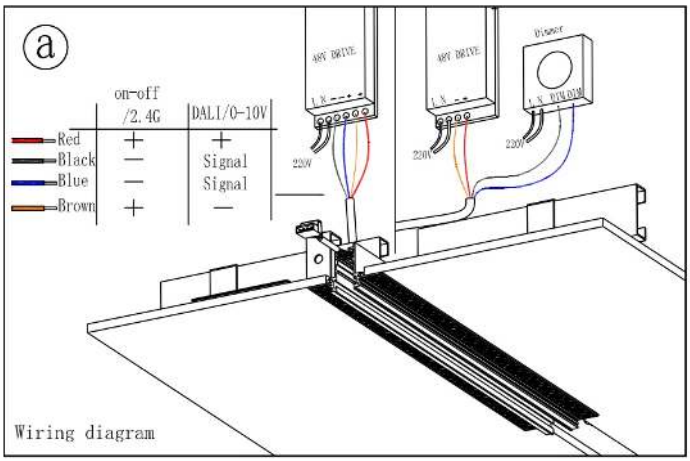
Step 1: Use basic woodwork or Ouzong board for the ceiling, and open a 48MM slot.



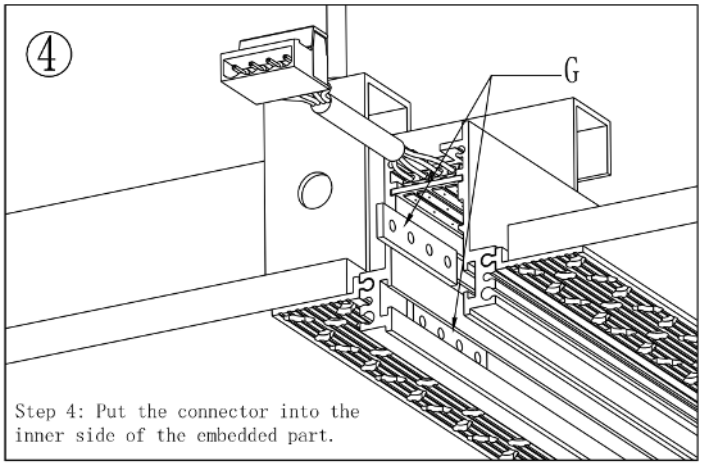
Step 2: Insert the hanging board into the second layer on both sides of the profile.



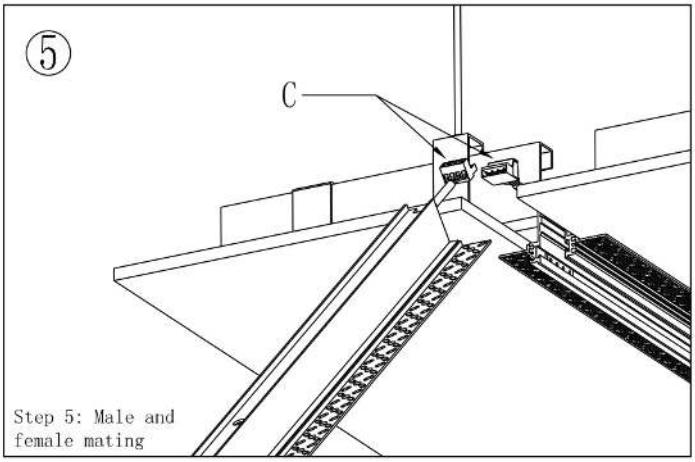
Step 3: Connect the power supply and fix the embedded parts on the ceiling with screws



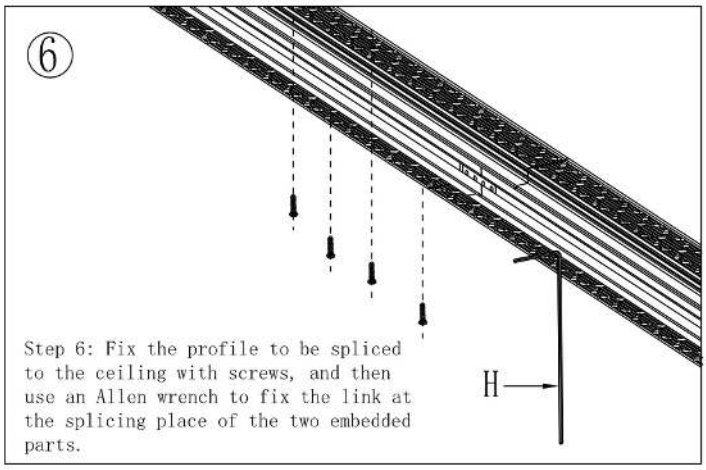
Wiring diagram



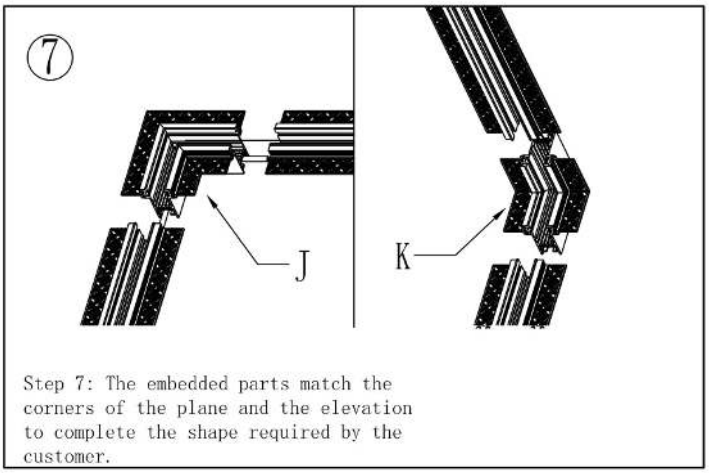
Step 4: Put the connector into the inner side of the embedded part.



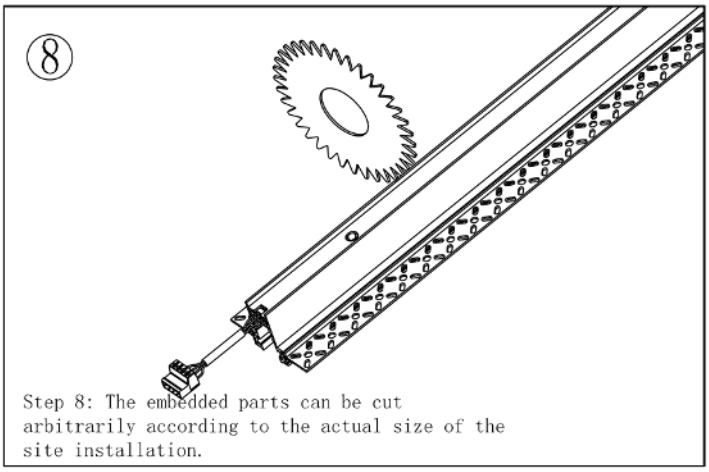
Step 5: Male and female mating



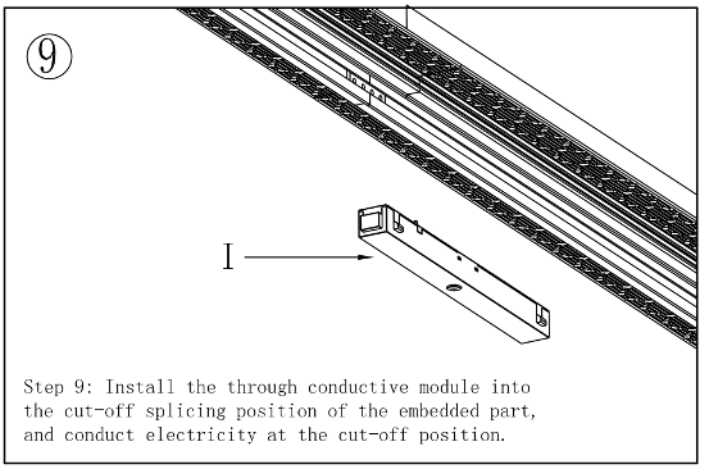
Step 6: Fix the profile to be spliced to the ceiling with screws, and then use an Allen wrench to fix the link at the splicing place of the two embedded parts.



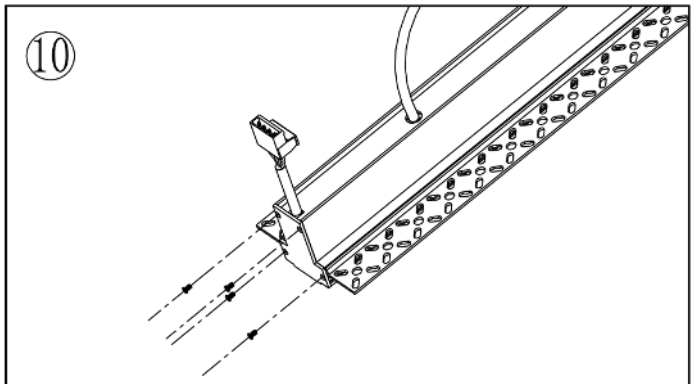
Step 7: The embedded parts match the corners of the plane and the elevation to complete the shape required by the customer.



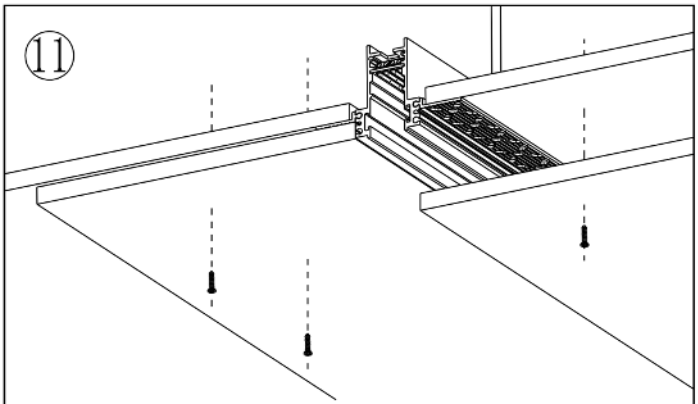
Step 8: The embedded parts can be cut arbitrarily according to the actual size of the site installation.



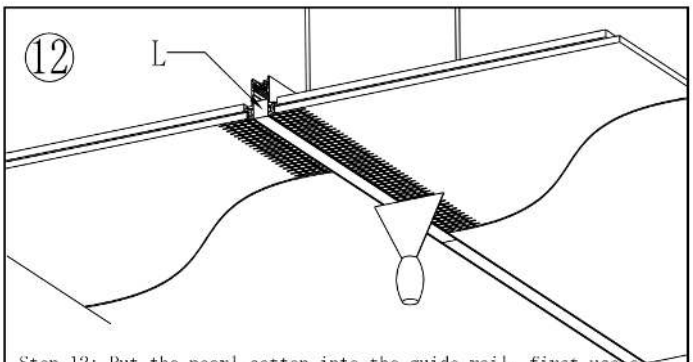
Step 9: Install the through conductive module into the cut-off splicing position of the embedded part, and conduct electricity at the cut-off position.



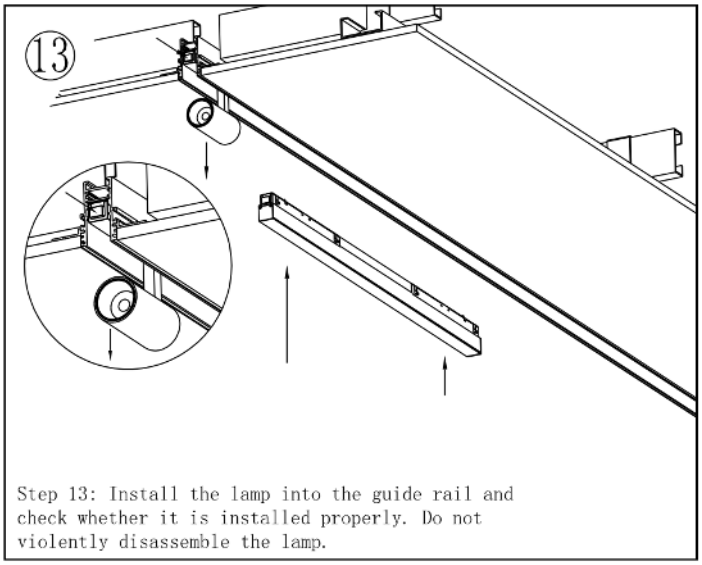
Step 10: Fix the plug on the two ends of the rail splicing with screws.



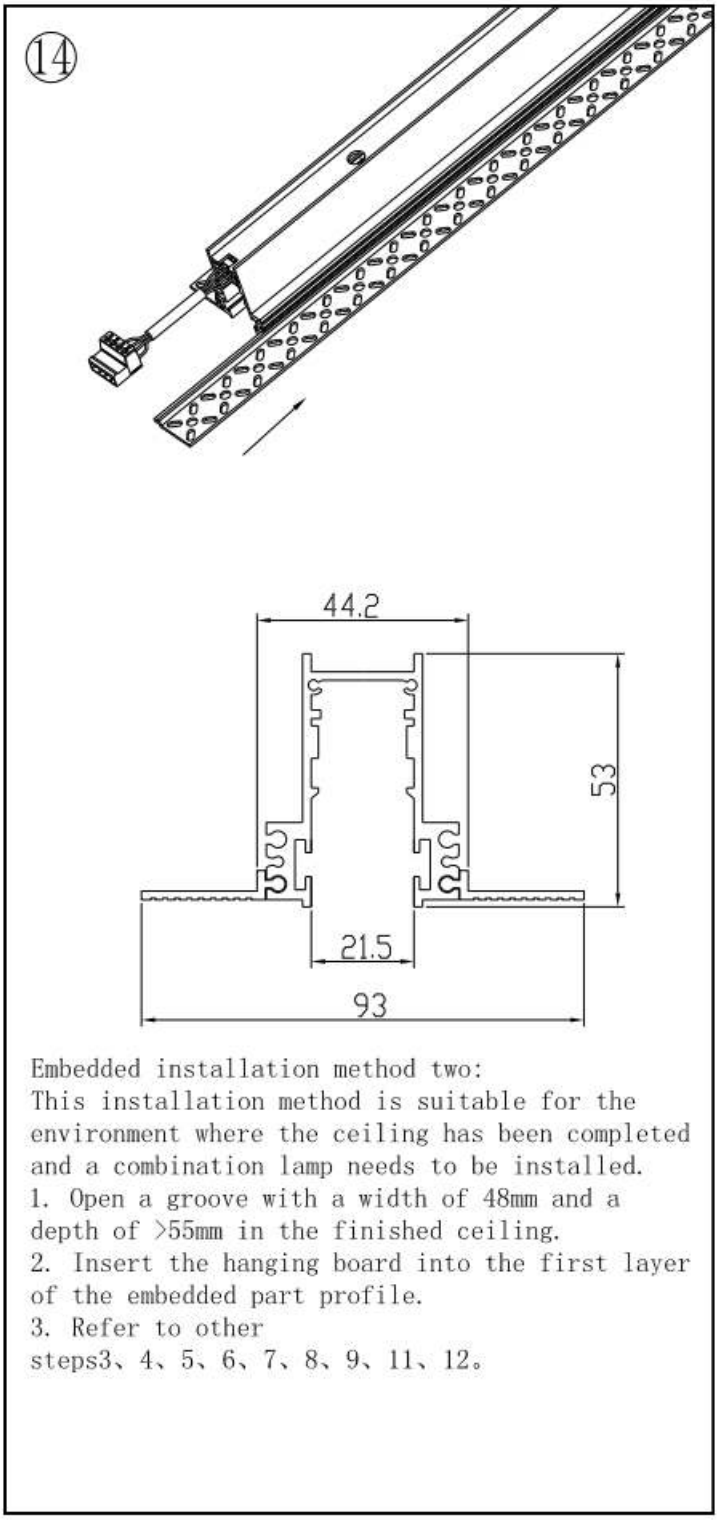
Step 11: Fix the 9MM gypsum board on both sides of the profile with self-tapping screws, and do the cover treatment.



Step 12: Put the pearl cotton into the guide rail, first use a mesh cloth to make the bottom (to prevent the position of the embedded parts from cracking), and then take out the pearl cotton after the dust is dried.



Step 13: Install the lamp into the guide rail and check whether it is installed properly. Do not violently disassemble the lamp.

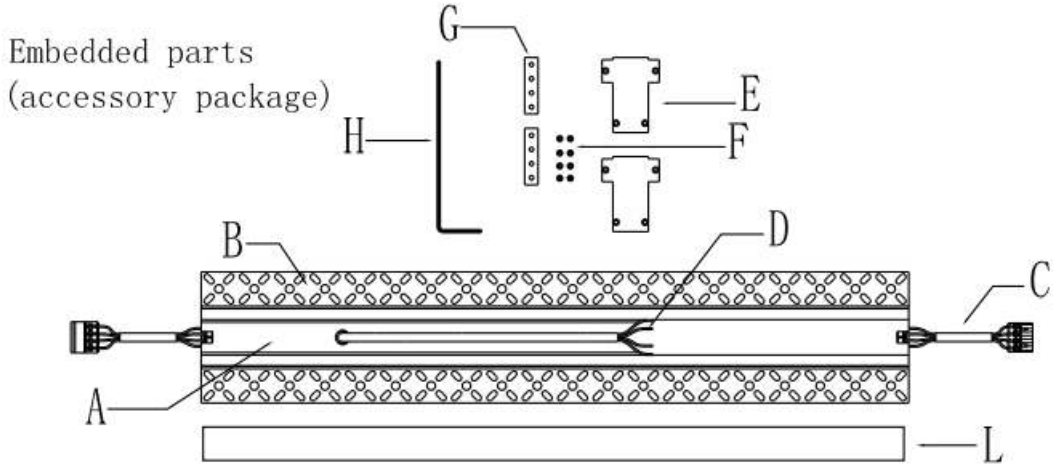


Embedded installation method two:
This installation method is suitable for the environment where the ceiling has been completed and a combination lamp needs to be installed.
1. Open a groove with a width of 48mm and a depth of >55mm in the finished ceiling.
2. Insert the hanging board into the first layer of the embedded part profile.
3. Refer to other steps3、4、5、6、7、8、9、11、12。

◇◆ Disassembly

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

◇◆ Packing List



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
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F		Screw*8	M3*6
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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	

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

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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	September 12, 2025

◇◆ Technical Support

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