

# Aqara Dimmable Track Lights Introduction

# Content

- **Product Profile**
- **Product Features**
- **Product Installation**
- **FAQ**

# Product Profile

Aqara

Aqara smart dimmable track lights are based on the Zigbee 3.0 communication protocol. There are multiple types of lights combinations such as spotlight, grille light, polarized light, pendant line light, and floodlight, and are installed on the ceiling magnetic track. It can achieve free combination and movement and achieve functions such as dimming and color adjustment. After being paired with Aqara hub, timing control can be achieved and linked with other Aqara smart devices.



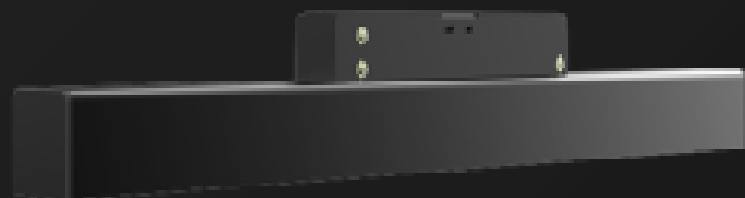
# Product Profile



Spotlight 24°



Dimmable Track Floodlight  
(60cm)



Dimmable Track Floodlight  
(30cm)



Dimmable Track  
Folding Grille Light  
(6 heads)



Dimmable Track Grille  
Light (6 heads)



Dimmable Track Grille  
Light (12 heads)



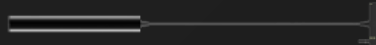
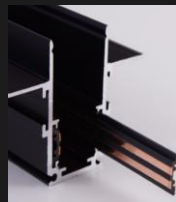
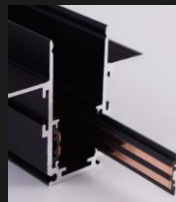
Dimmable Track  
Polarized Light



Dimmable Track  
Pendant Line Light

# Specifications - H1 Pro Light Products



| Product Name                                  | Picture                                                                              | General Specification                                                                               |              |                              |               |                     |
|-----------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|------------------------------|---------------|---------------------|
|                                               |                                                                                      | Rated Power                                                                                         | Rate Current | Beam Angle                   | Luminous Flux | Dimension           |
| Spotlight<br>(24° )                           |     | 10W                                                                                                 | 0.21A        | 24°                          | ≥ 30LM/W      | 106 x 48 x 171 mm   |
| Dimmable Track Grille Light<br>(6 heads)      |    | 6W                                                                                                  | 0.13A        | 36°                          | ≥ 30LM/W      | 113 x 22 x 43 mm    |
| Dimmable Track Grille Light<br>(12 heads)     |                                                                                      | 12W                                                                                                 | 0.25A        |                              | ≥ 30LM/W      | 221 x 22 x 43 mm    |
| Dimmable Track Floodlight ( 30cm)             |   | 8W                                                                                                  | 0.167A       | ≥100°                        | ≥ 15LM/W      | 303.5 x 22 x 43 mm  |
| Dimmable Track Floodlight ( 60cm)             |                                                                                      | 16W                                                                                                 | 0.33A        |                              | ≥ 15LM/W      | 603.5 x 22 x 43 mm  |
| Dimmable Track Pendant Line Light             |  | 10W                                                                                                 | 0.21A        | 24°                          | ≥ 35LM/W      | 106 x 40 x 1475 mm  |
| Dimmable Track Folding Grille Light (6 heads) |  | 6W                                                                                                  | 0.13A        | 36°                          | ≥ 30LM/W      | 117.5 x 22 x 103 mm |
| Dimmable Track Polarized Light<br>(22cm)      |  | 10W                                                                                                 | 0.21A        | Polarized light washing wall | ≥ 30LM/W      | 221 x 22 x 46 mm    |
| Track Accessories                             |  | Including track (pre embedded, exposed), suspension wire, connecting parts, power supply, wire, etc |              |                              |               |                     |

# Specifications - Light Products



| Name                  | General Specification      |
|-----------------------|----------------------------|
| Color temperature     | 2700K-6000K                |
| Rendering Index       | RA≥90                      |
| Wireless connection   | ZigBee3.0                  |
| Rated Voltage         | DC 48V                     |
| Operating temperature | -10°C ~ 40°C               |
| Operating humidity    | 0% ~ 95% RH, noncondensing |

# Content

- **Product Profile**
- **Product Feature**
- **Product Installation**
- **FAQ**

# Product Feature

Aqara



Magnetic track light, with multiple lamps available for selection,  
It can meet the needs of any basic lighting, key lighting, and ambient lighting.

Can be widely applied to:  
Home living room, bar, restaurant, study, hallway and other scenes;  
or scenarios such as hotel clients, front desk, conference rooms, etc;  
A space can use up to ten or more.



## Advanced dimming function

01

Static scene function

02

Dynamic sequence

03

Support switch and off light  
transition time configuration function

04

HomeKit adaptive dimming

05

Group and Scene  
(Support mixed group control with different model values)

# Product Feature



## Application Scenario



AI Gesture Control

**OK gesture:**  
living room color temperature  
3000K

**YES gesture:**  
living room brightness 20%



Wireless Control

**Wireless knob:**  
Rotate brightness adjustment

**Wireless knob:**  
Press and hold to rotate color  
temperature adjustment

**Wireless switch:**  
Press the button to switch color  
temperature and brightness



Voice Control

**Hey~siri:**  
Living room brightness 20%



Panel Control

Color temperature and  
brightness settings

# Product Feature - Automation

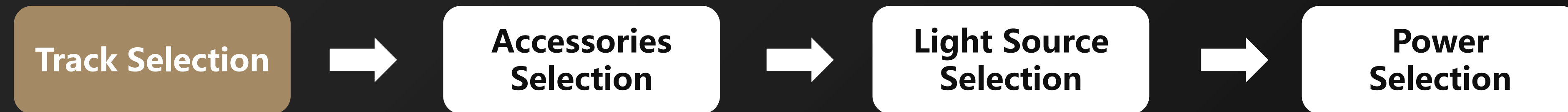


| Item | Automation                                |
|------|-------------------------------------------|
| If   | Turn on                                   |
|      | Turn off                                  |
|      | Lights on                                 |
|      | Lights off                                |
| Then | Turn on                                   |
|      | Turn off                                  |
|      | Turn on/off                               |
|      | Brightness+                               |
|      | Brightness-                               |
|      | Color temperature+                        |
|      | Color temperature-                        |
|      | Adjust to the specified state             |
|      | Adjust to the specified brightness        |
|      | Adjust to the specified color temperature |
|      | Execute specified scene                   |
|      | Execute specified dynamics                |
|      | Rotate to adjust brightness               |
|      | Rotate to adjust color temperature        |

# Content

- **Product Profile**
- **Product Features**
- **Product Installation**
- **FAQ**

# Installation Preparation



# Track Selection

Aqara provides three types of tracks.



**Surface Mounted**

Both ceiling and lifting can be used for easy installation



**Clamping Track**

For uncapped and capped after installation of the track



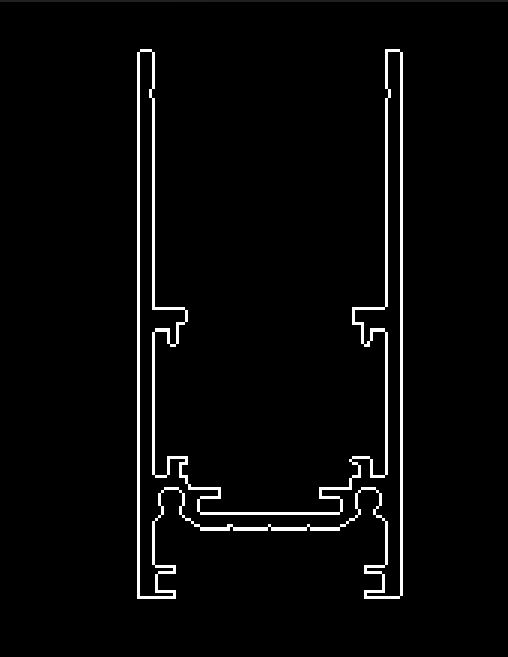
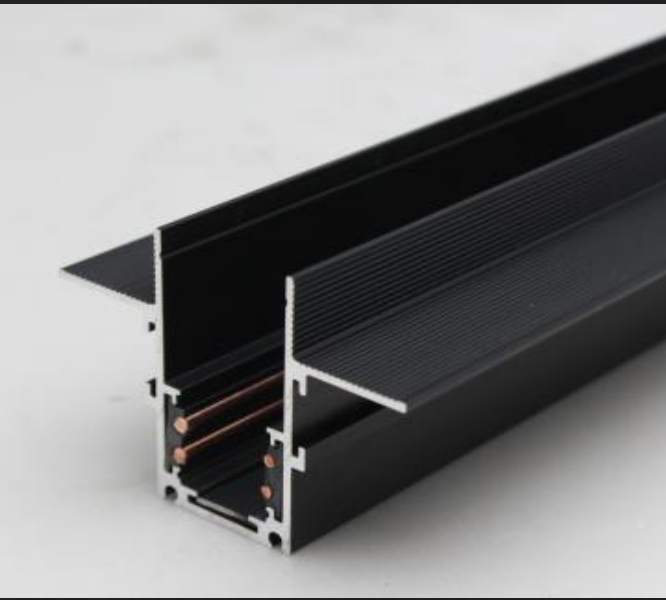
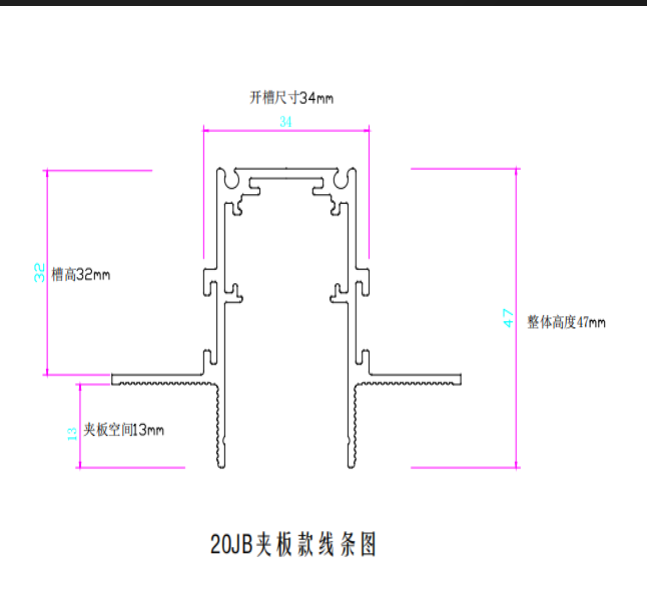
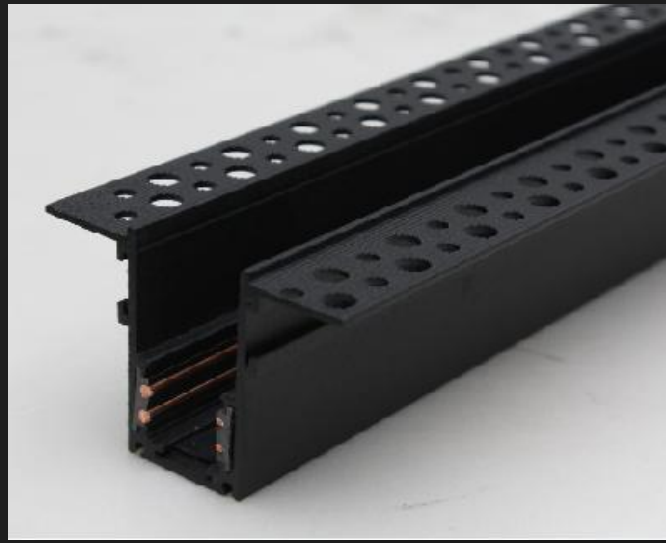
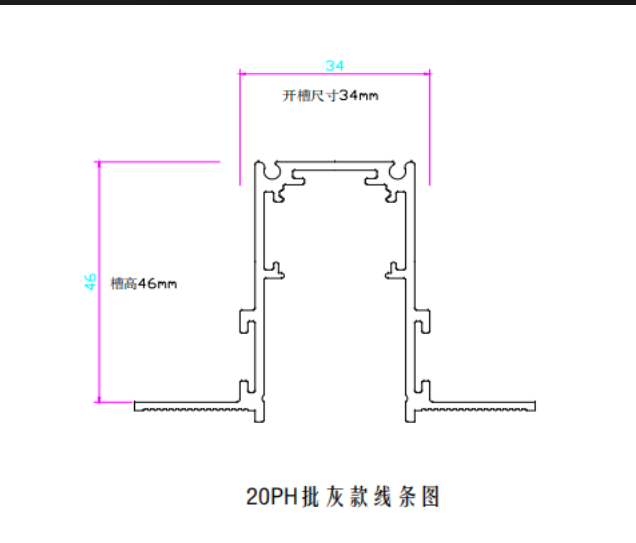
**Plaster Track**

For sealed ceilings, the reserved depth of the suspended ceiling should be at least 45mm

# Track Selection



Details of tracks.

| Product Name                     | Picture                                                                              | Installation Diagram                                                                  | Installation Method           | Material  | Packaging specifications | Accessory         |
|----------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------|-----------|--------------------------|-------------------|
| 20 surface mounted/lifting rails |    |    | Surface installation/Hoisting | Aluminium | 1, 2, 3 meters           | Plug, flat copper |
| 20 Clamping Track                |   |   | Notching 34mm                 | Aluminium | 1, 2, 3 meters           | Plug, flat copper |
| 20 Plaster Track                 |  |  | Notching 34mm                 | Aluminium | 1, 2, 3 meters           | Plug, flat copper |

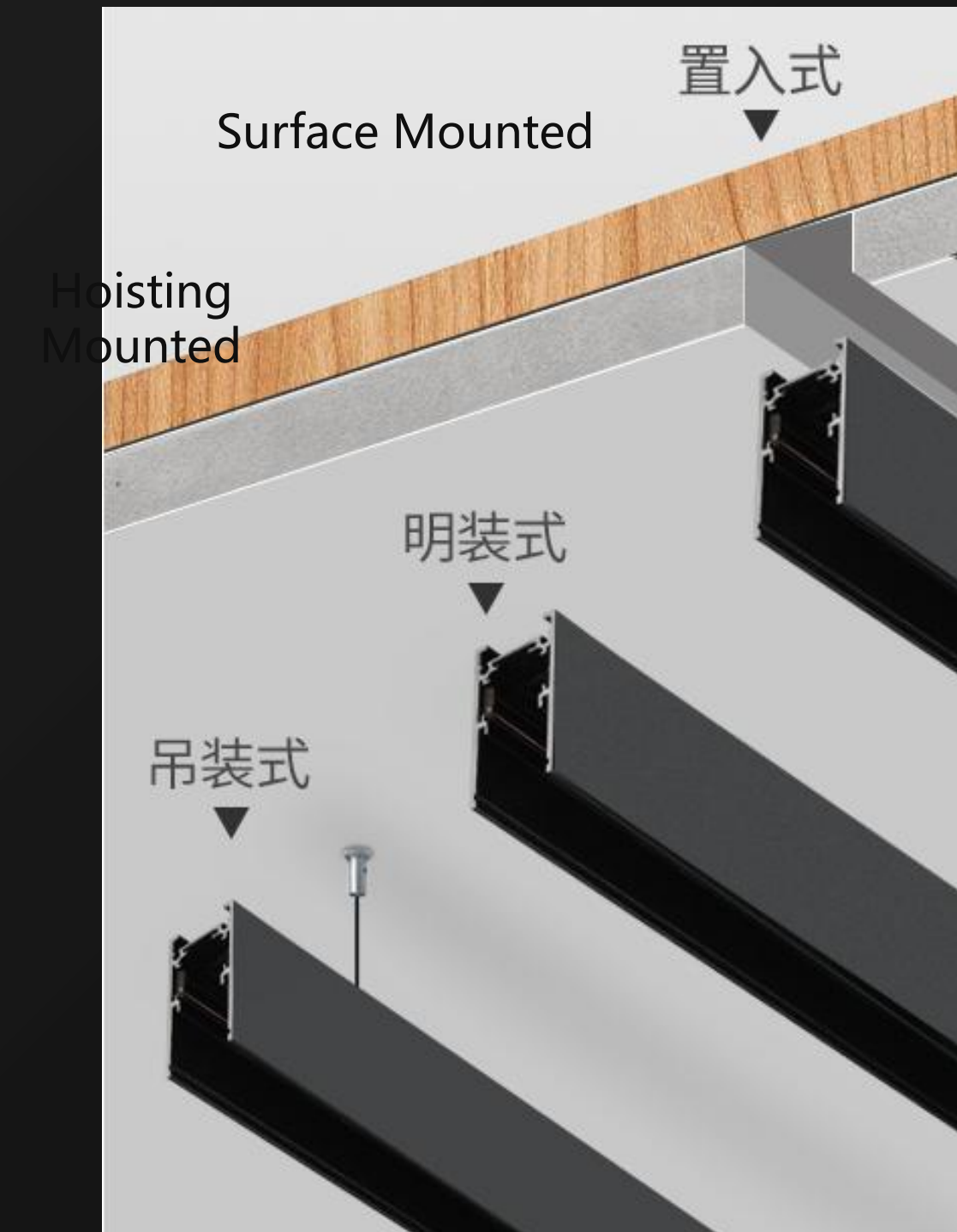
# Track Selection

Aqara

## Surface Mounted

Both ceiling and lifting can be used for easy installation

Embedded Mounted



# Track Selection

## Clamping Track

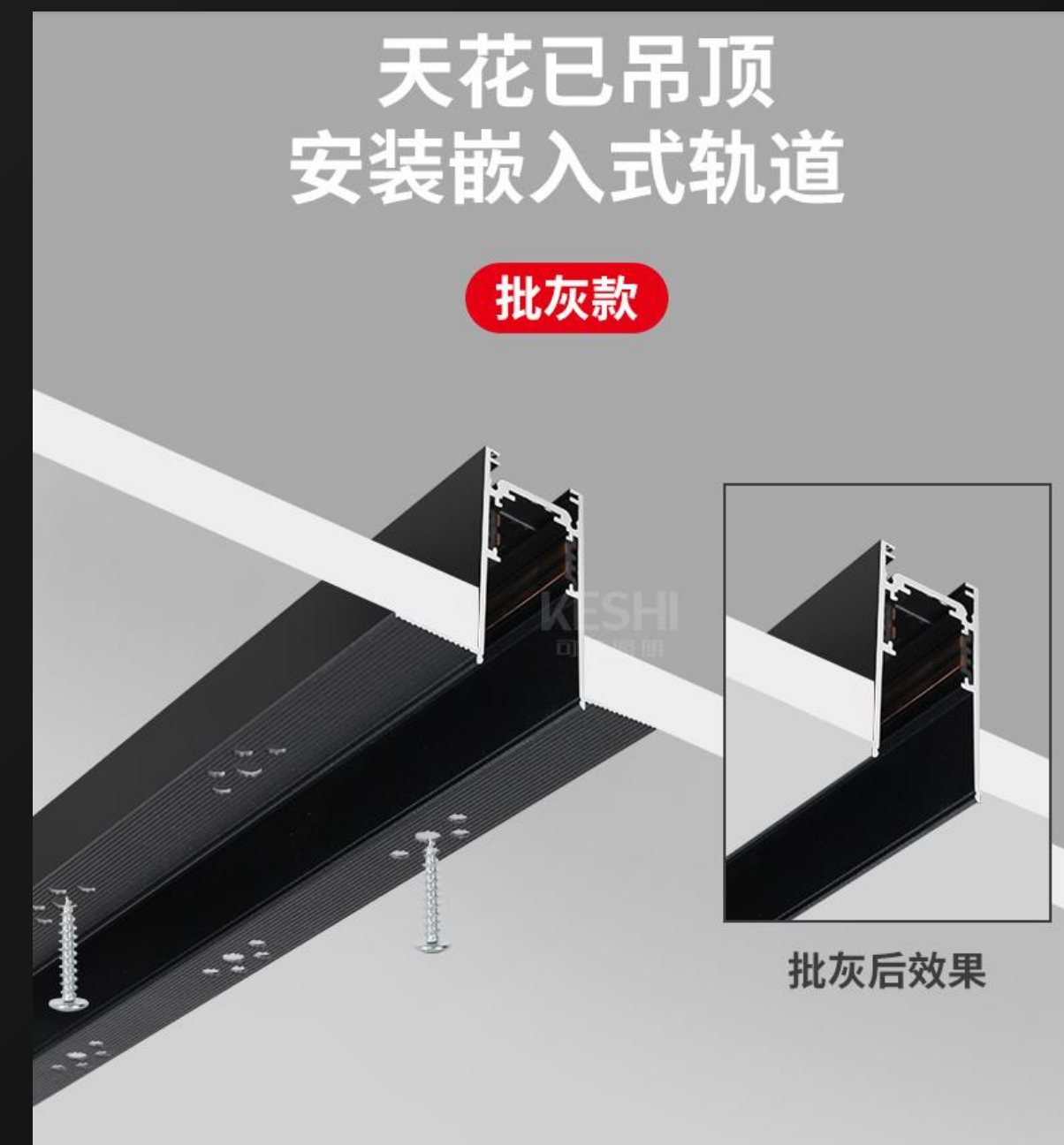
For uncapped and capped after installation of the track



# Track Selection

## Plaster track

For sealed ceilings, the reserved depth of the suspended ceiling should be at least 45mm

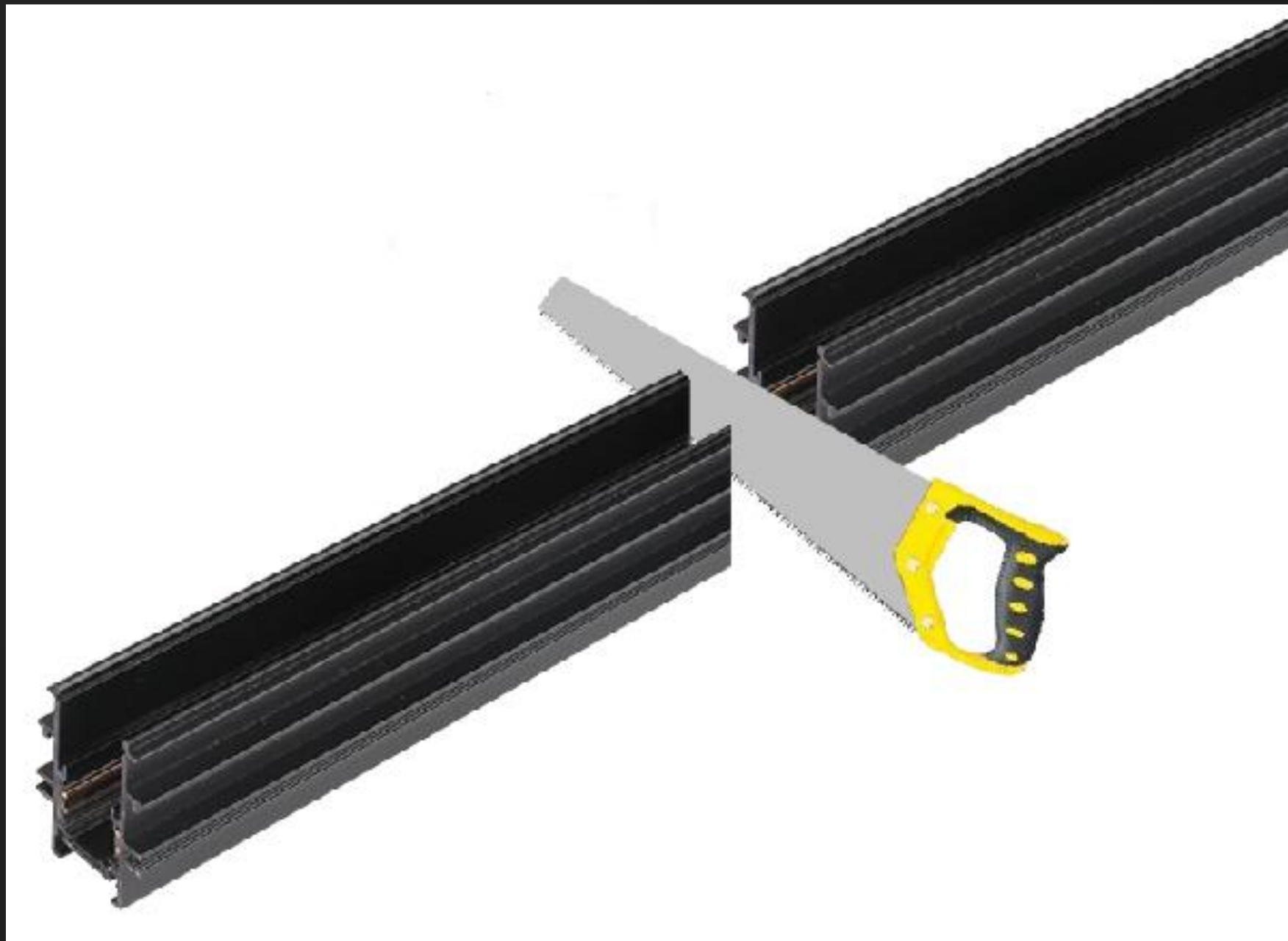


# Track Selection

Aqara

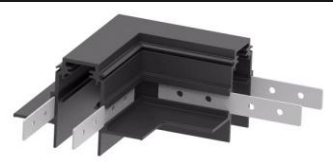
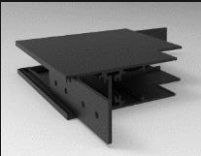
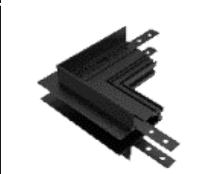
## Customized Length

User can purchase 1/2/3-meter track and cut desire length to fit use case.



# Accessories Selection



| No. | Product Name                           | Picture                                                                               | Installation | Remark                              |
|-----|----------------------------------------|---------------------------------------------------------------------------------------|--------------|-------------------------------------|
| 1   | Hanging wire package                   |    | Hoisting use | 2 sets of 2-meter suspension cables |
| 2   | Input conductive module                |    | Input DC48V  |                                     |
| 3   | Direct conductive module               |    | Input DC48V  | Rail to rail splicing use           |
| 4   | Corner conductive module               |    | Input DC48V  | Corner splicing use                 |
| 5   | 20 surface mounted connecting plate    |   |              |                                     |
| 6   | 20 surface mounted corner              |  | 80*80mm      | Surface installation/Hoisting       |
| 7   | 20 concealed corners                   |  | 80*80mm      | Notching 34mm                       |
| 8   | 20 embedded corner                     |  | 80*80mm      | Notching 34mm                       |
| 9   | 20 exposed internal corner connector   |  | 80*80mm      |                                     |
| 10  | 20 Concealed internal corner connector |  | 80*80mm      |                                     |
| 11  | 20 Concealed external corner connector |  | 80*80mm      |                                     |

# Accessories Selection

1: Corner module: Right angle connection of tracks in the same plane

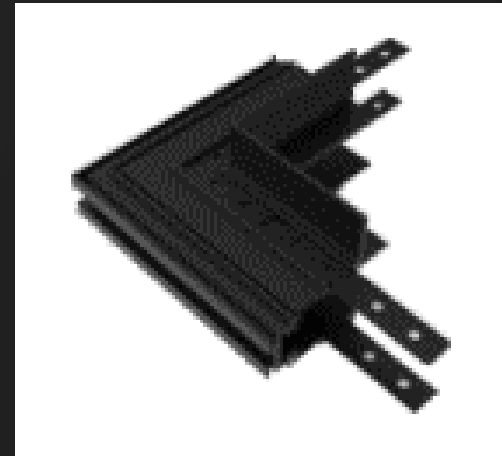
2: External corner module: The protruding wall corner is connected by two tracks with different planes

3: Internal corner module: between two different planes of the concave wall corner

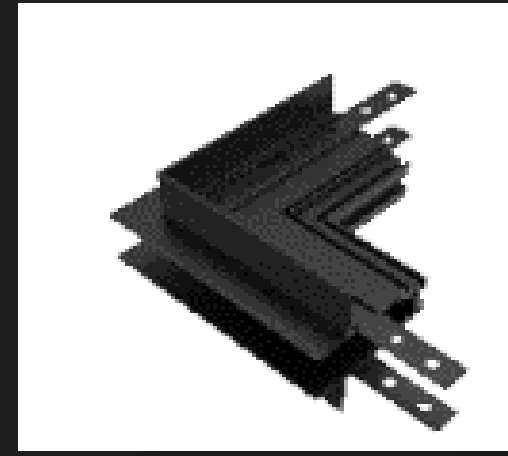
(Pay attention to distinguishing the batch gray version, clamped version, and exposed version)



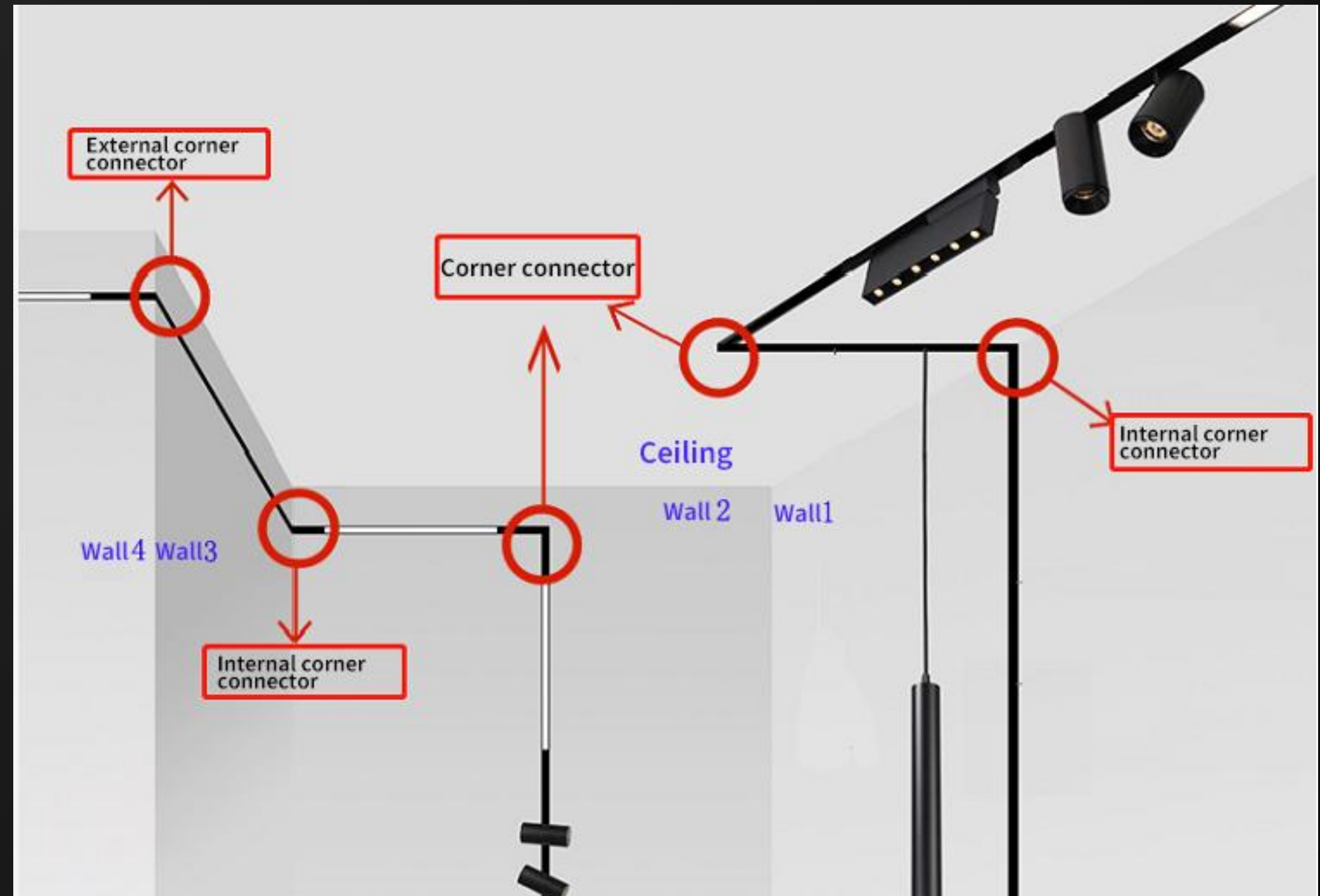
Corner connector



Internal corner connector



External corner connector





## Surface mounted connecting plate

Purpose: Two tracks are assembled into one guide rail for fixed use

# Light Source Selection



Spotlight  
24°



Dimmable Track  
Floodlight (60cm)



Dimmable Track  
Floodlight (30cm)



Dimmable Track  
Folding Grille Light



Dimmable Track Grille  
Light (6 lights)



Dimmable Track Grille  
Light (12 lights)



Dimmable Track  
Polarized Light



Dimmable Track  
Pendant Line Light

# Light Source Selection



Dimmable Track  
FloodlightH1 Pro (30cm)  
(303.5 x 22 x 43 mm)

Dimmable Track  
FloodlightH1 Pro (22cm)  
(221 x 22 x 46 mm)



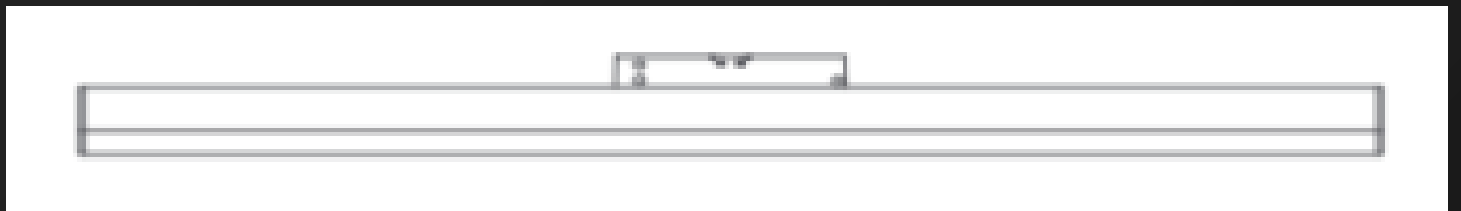
Dimmable Track Grille  
LightH1 Pro (6 heads)  
(113 x 22 x 43 mm)

Dimmable Track Grille  
LightH1 Pro (12 heads)  
(221 x 22 x 43 mm)

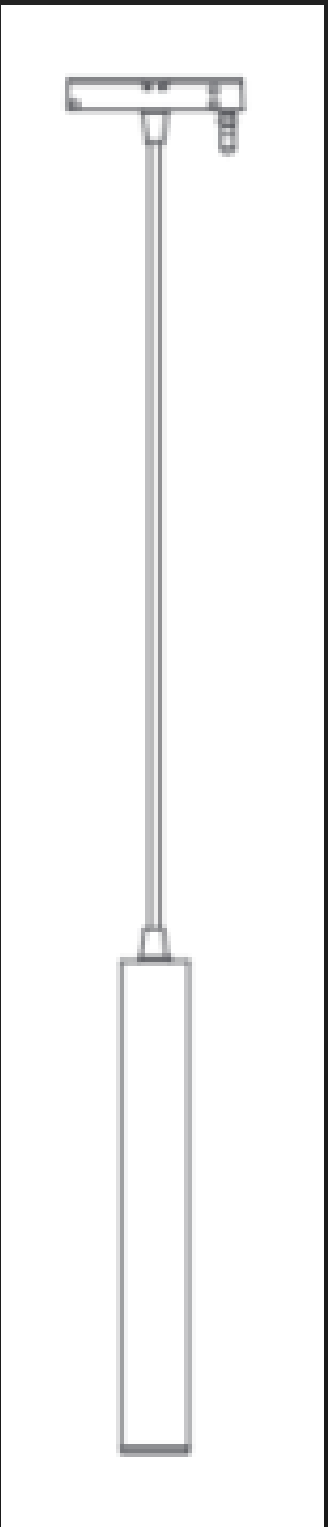


Dimmable Track  
SpotlightH1 Pro (24°)  
(106 x 48 x 171 mm)

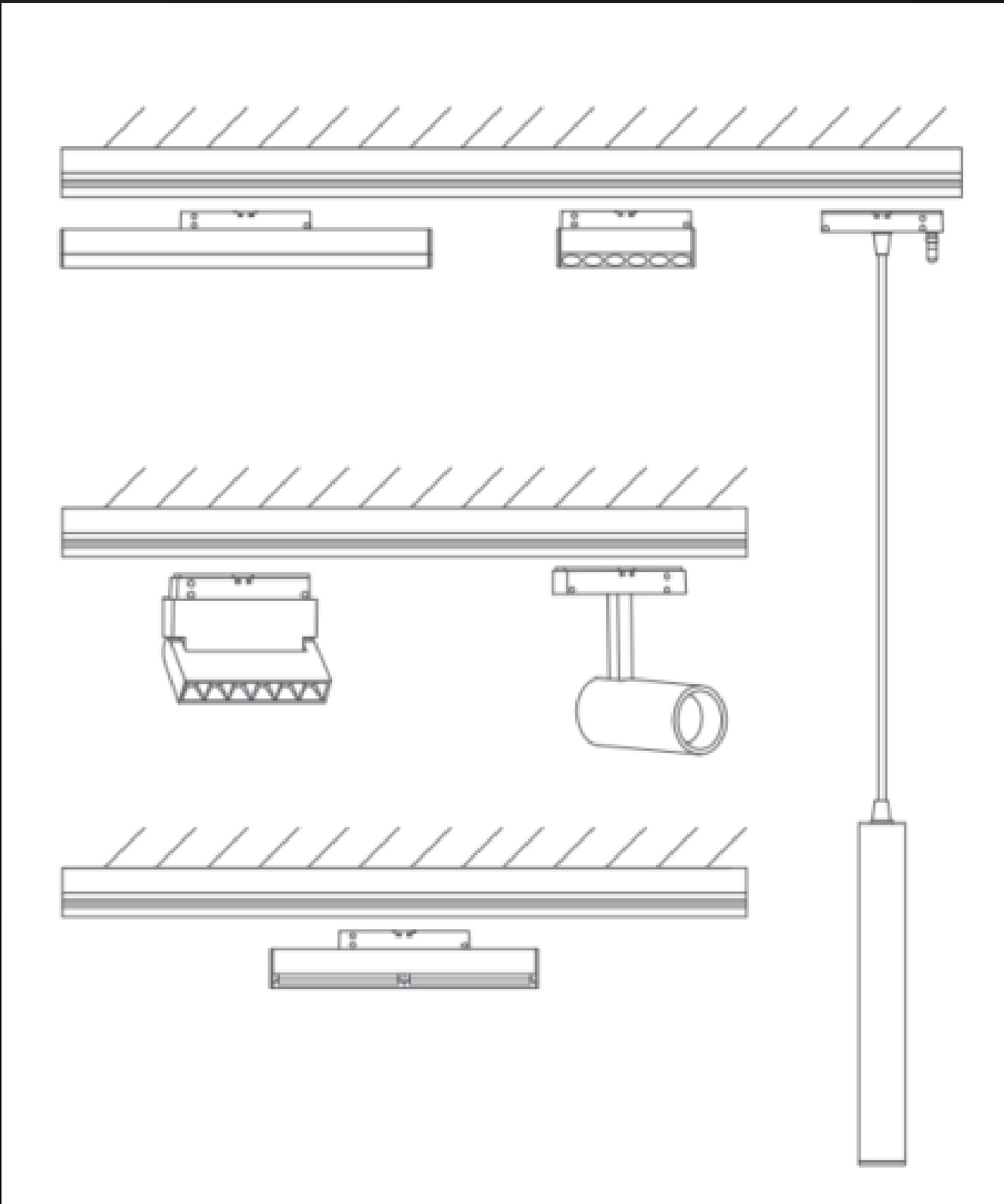
Dimmable Track Folding Grille  
LightH1 Pro (6 heads)  
(117.5 x 22 x 103 mm)



Dimmable Track FloodlightH1 Pro (60cm)  
(603.5 x 22 x 43 mm)



Dimmable Track Pendant  
Line Light H1 Pro  
(106 x 48 x 171 mm)



Attention: Please disconnect the power supply during installation!

Insert the power contact part of the lamp into the installed track slot.

# Light Source Selection

Aqara



Main lighting with a beam angle greater than 100 °

The range of light diffusion in space will be relatively larger

# Light Source Selection

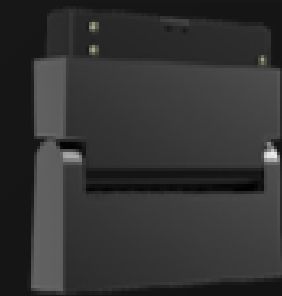
Aqara



Dimmable Track Grille  
Light (6 lights)



Dimmable Track Grille  
Light (12 lights)

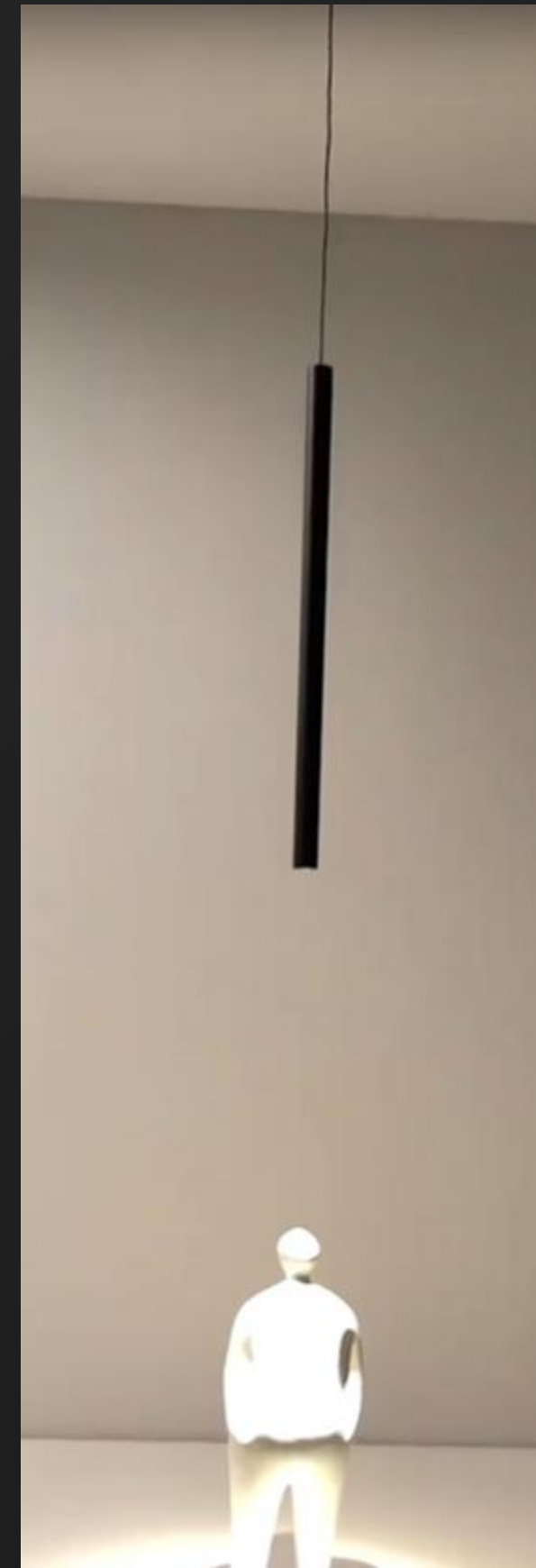


Dimmable Track  
Folding Grille Light

Beam angle 30 ° main lighting+background wall  
washing+key lighting, anti glare

# Light Source Selection

Aqara



Decorative and underfloor key lighting, suitable for living room, dining room, and bar lamp spaces

# Power Selection

1. Power under 150W, user can use Aqara Built-in power supply with 150W. Accessories like Direct conductive module and Corner conductive module are available for rail to rail and corner for multiple tracks connection.



Direct conductive module  
and extended rail power  
connection



Corner guide rail power  
connection

# Power Selection

2. Power over 150W or with user's choice not using Aqara Built-in power supply (150W), user can purchase external transformer on their own and use Input conductive module to connect to power.

Choose 100W, 150W, 200W, and 350W according to the different power levels of the matched lighting fixtures. The 48V external transformer needs to be reserved with maintenance access point, which can be placed on the top of the cabinet and in a convenient place for maintenance such as air conditioning vents, integrated ceilings, or junction boxes



48V external transformer  
(Need to be purchased separately)

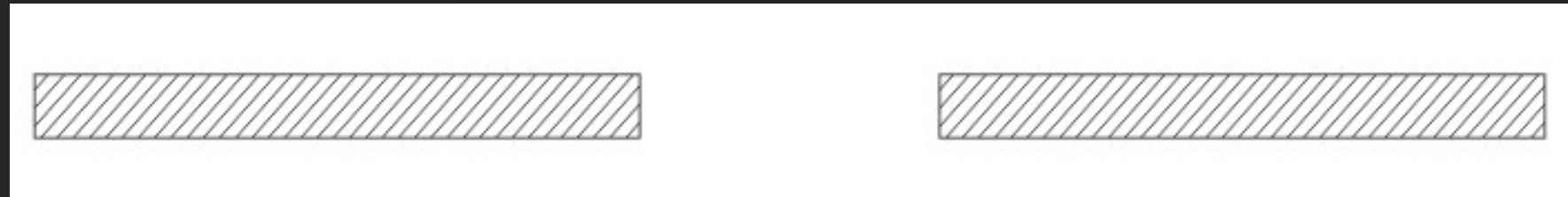


Input conductive module

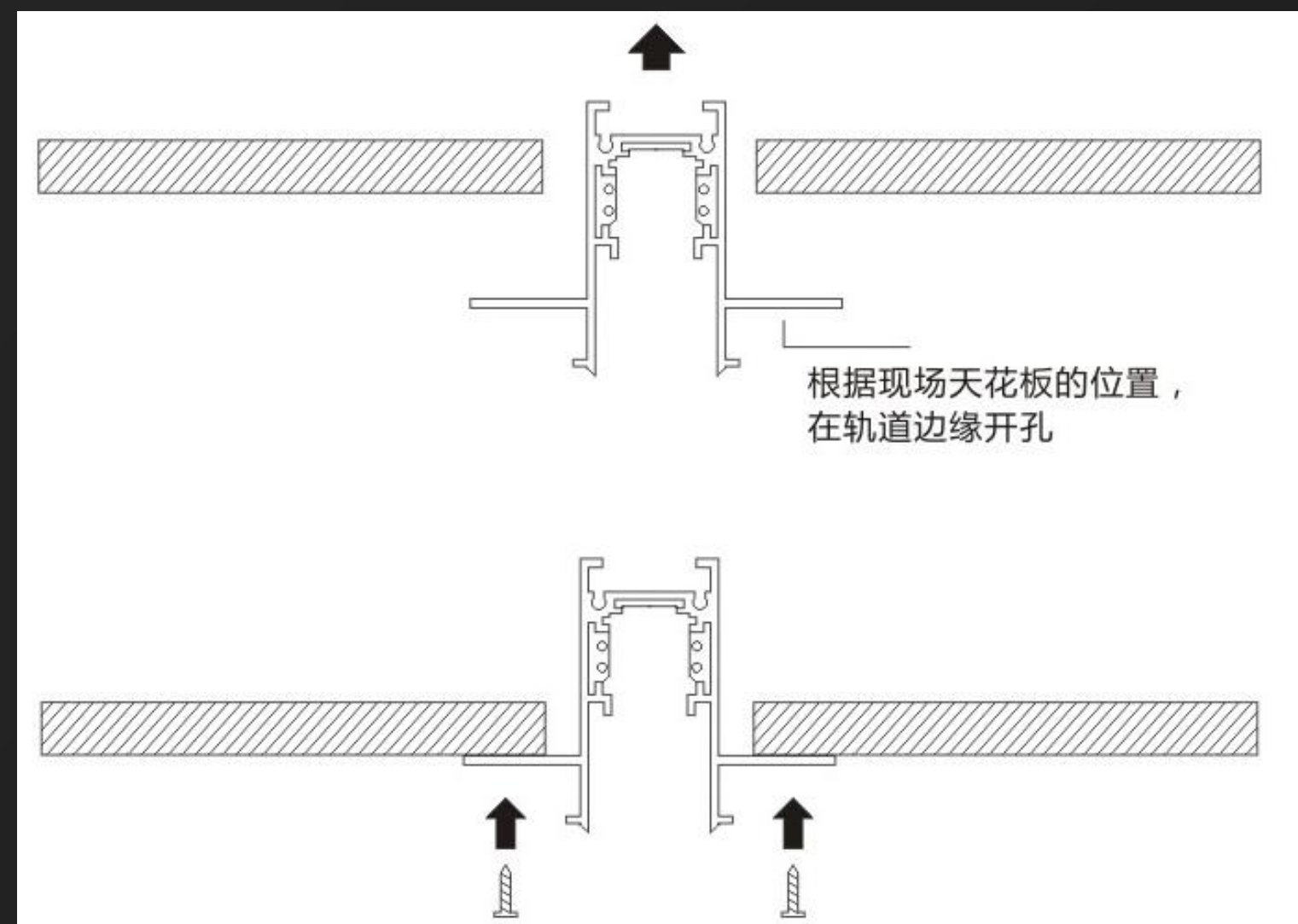


# Installation - Clamping Plate Track

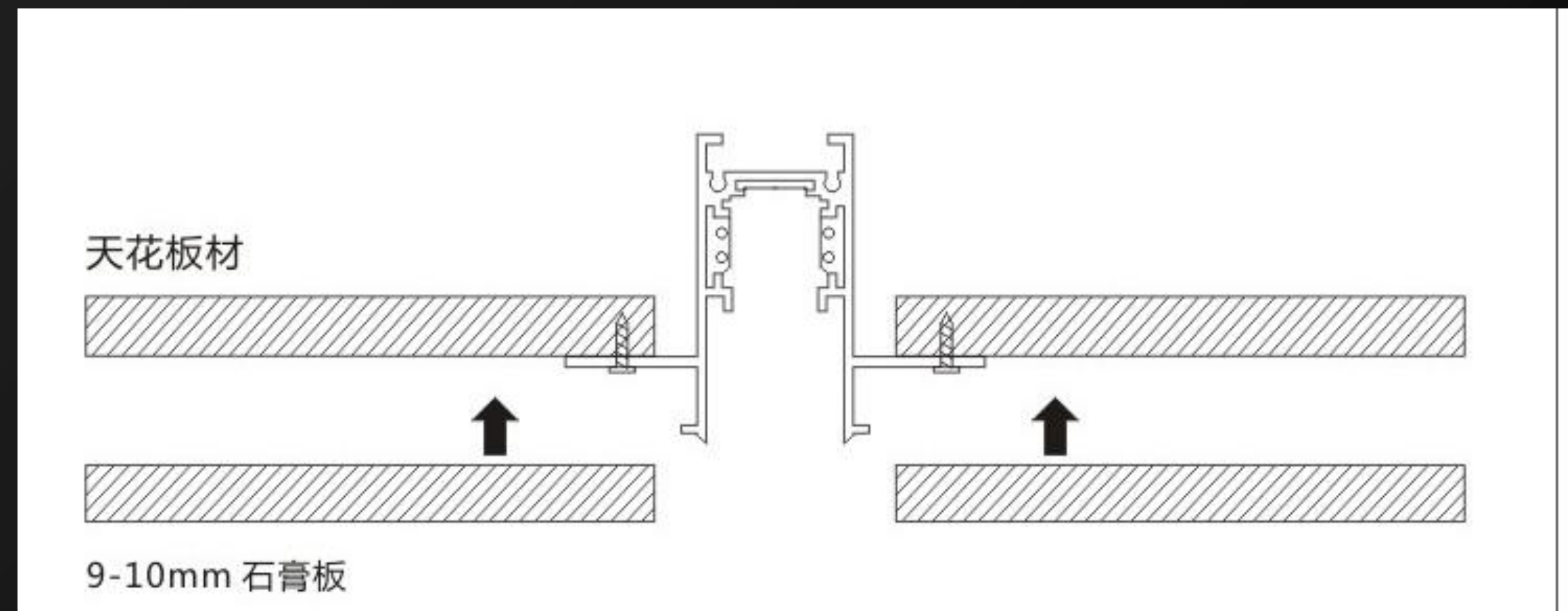
1. It is recommended to slot on the fixed plate and have a space above 50mm on the ceiling. The fixed plate must be able to bear weight.



2. Insert the guide rail into the slot, then punch holes at the edge of the rail and secure with screws.

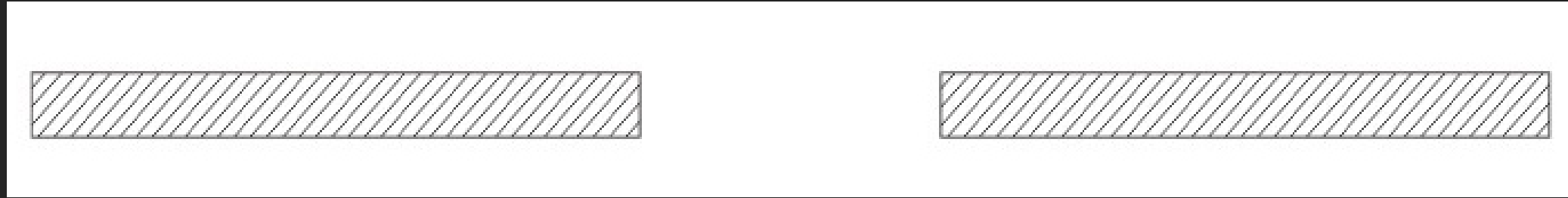


3. Cover the outer plate at the lower end of the guide rail and ensure that the thickness of the plaster is flush with the rail opening.

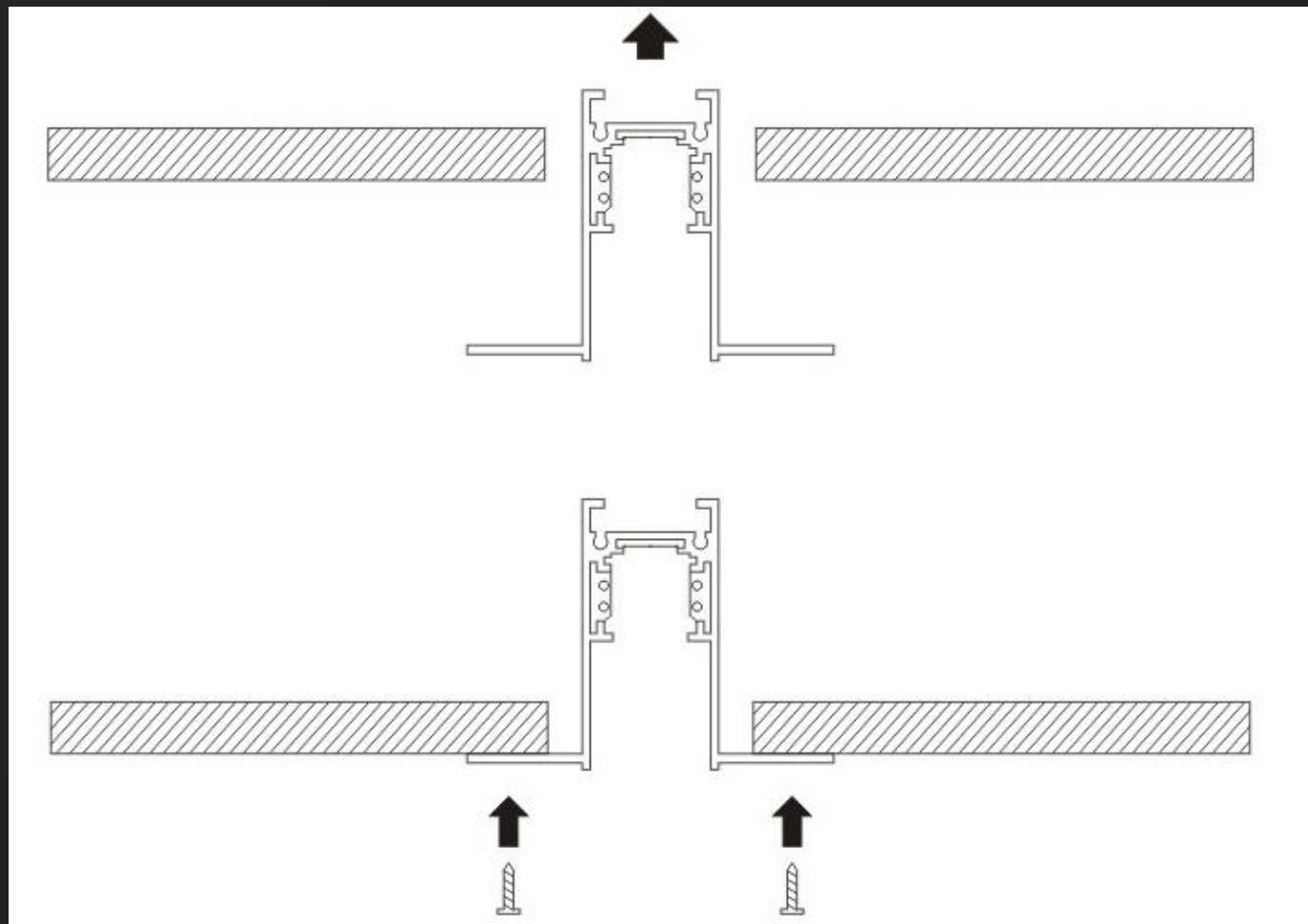


# Installation - Plaster Track

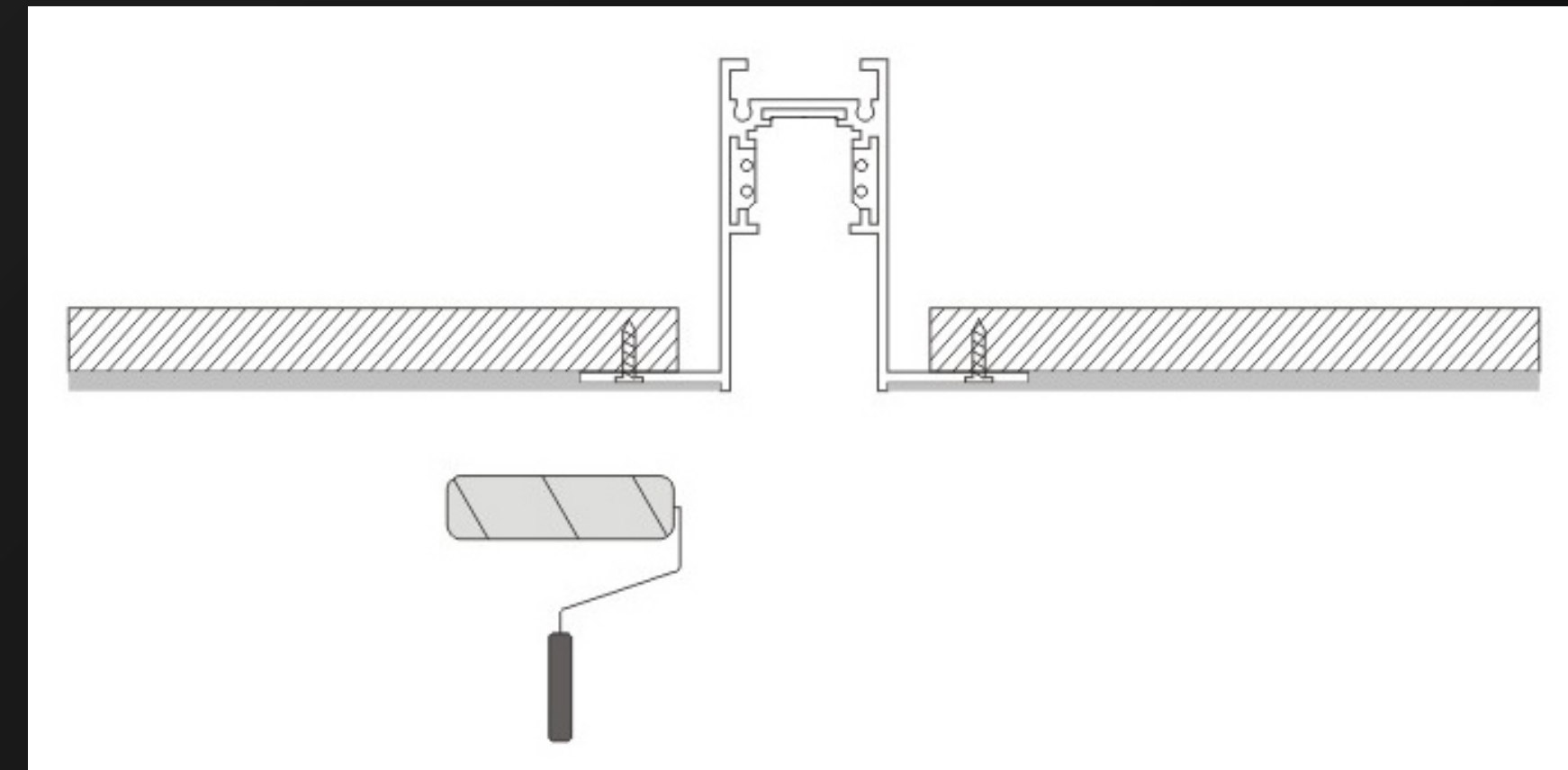
1. It is recommended to slot on the fixed plate and have a space above 50mm on the ceiling. The fixed plate must be able to bear weight.



2. Insert the guide rail into the slot, then punch holes at the edge of the rail and secure with screws.



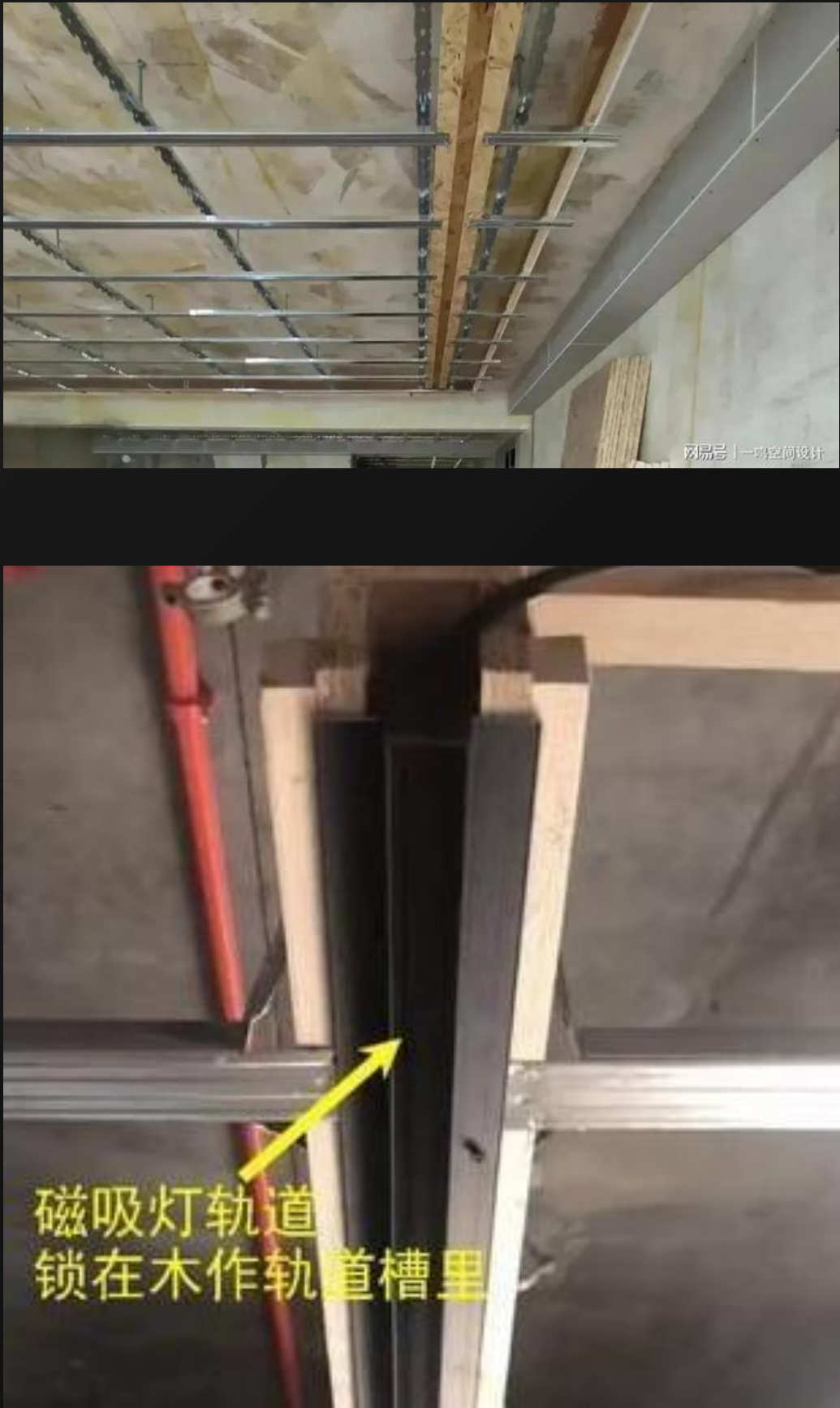
3. Plastering, apply with a thickness that is flush with the track opening.



# Installation - Video Sample

Aqara

## Track installation



## Surface mounted

Ceiling mounted installation is commonly used in places without suspended ceilings, or as a remedy for wanting to install magnetic lights without reserved slots, similar to the installation method for exposed track strips, depends on personal preferences.



## Suspension wire installation

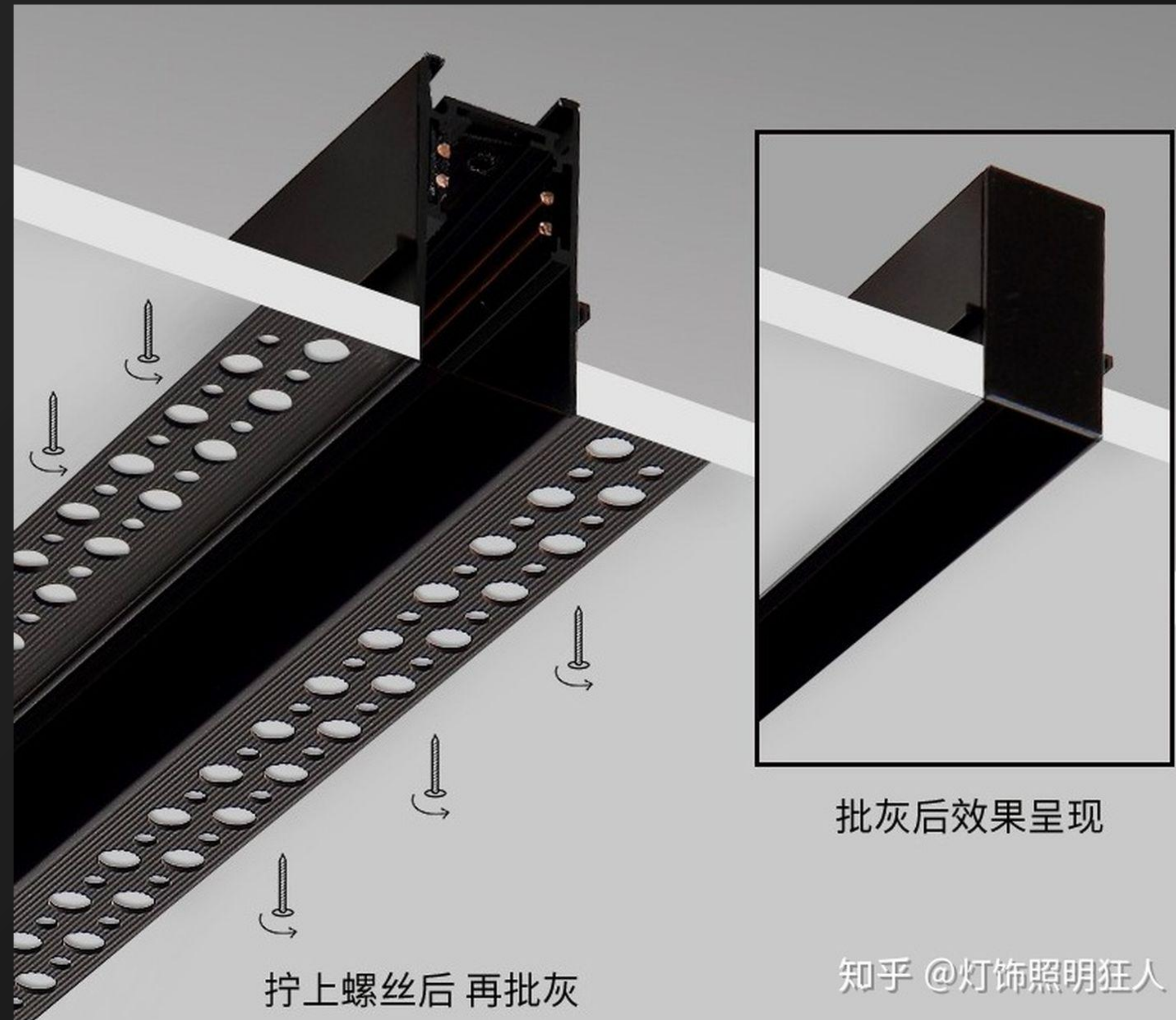
The advantage is that the height of the lighting fixtures can be freely adjusted to meet the needs of different scenarios. However, due to the need for force balance during lifting, folding and track spotlights are not easy to install, mainly grid spotlights and floodlights.



## Surface mounted track, hanging wire installation



## Surface mounted track



# Installation - Power Supply for the track 1

Aqara

## Aqara embedded power transformer

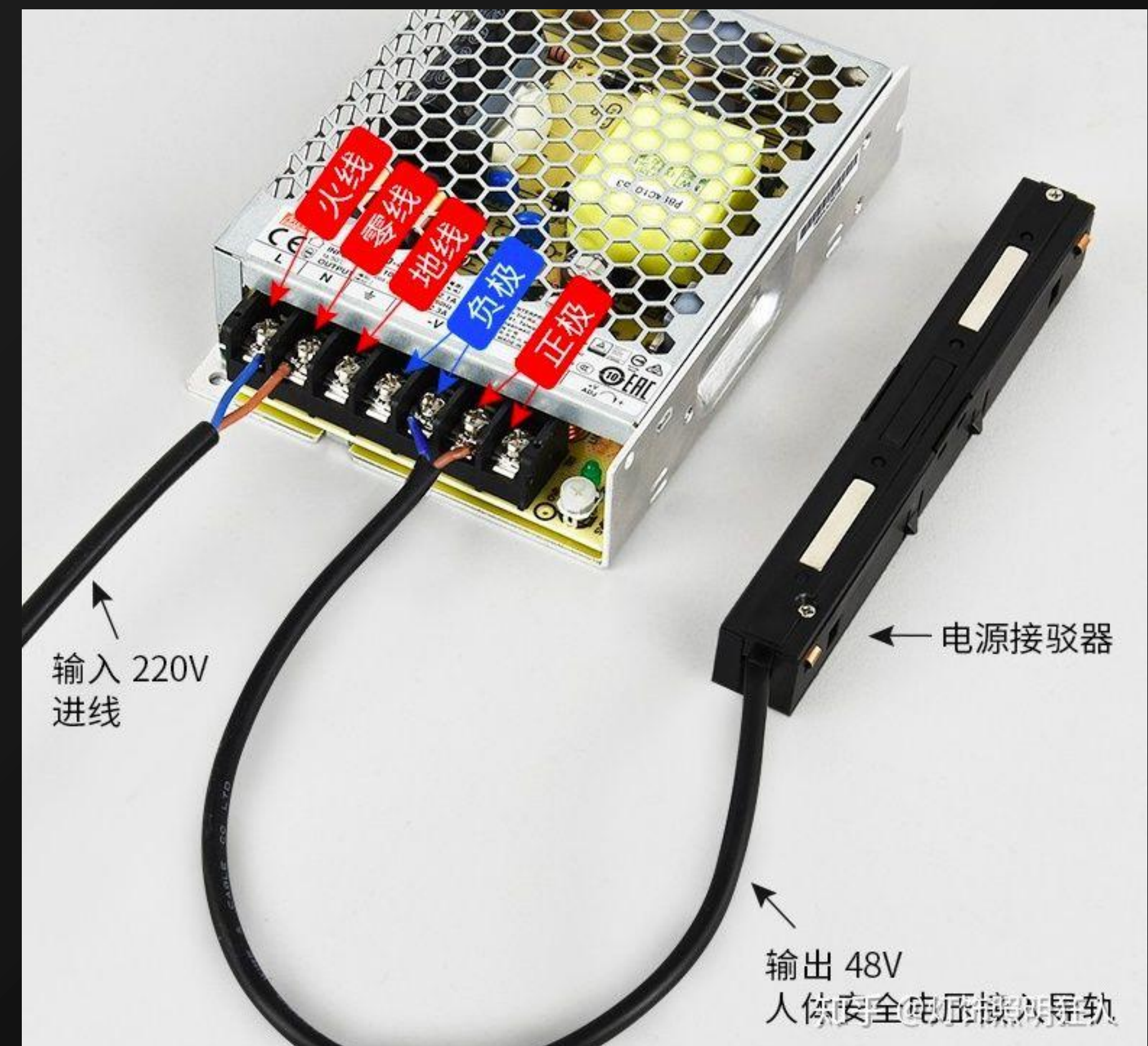
Installed directly on the track like a lamp, it is suitable for customers who have no place to install a transformer. Total of 150W is supported.



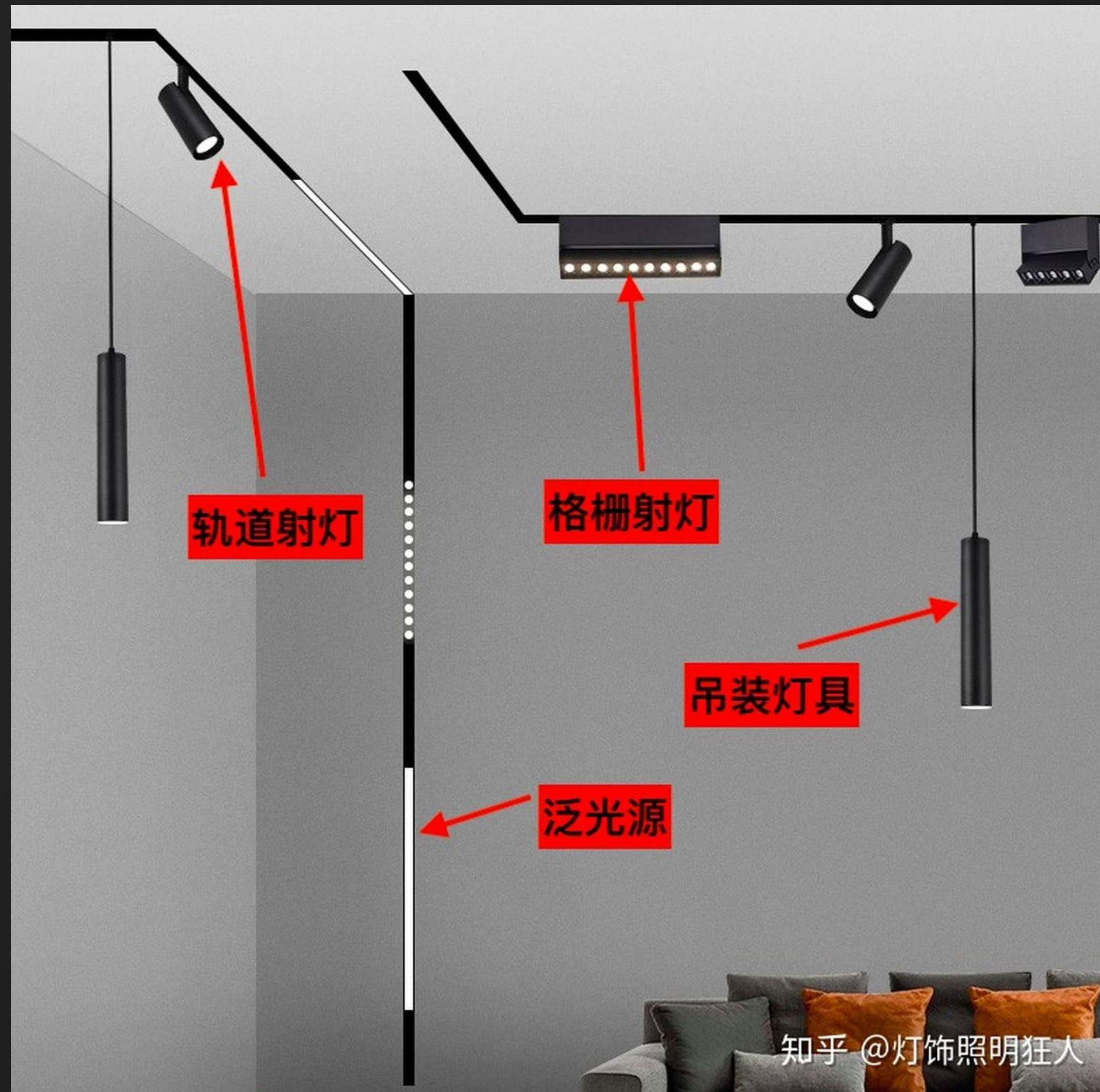
# Installation - Power Supply for the track 2

## External power transformer

100W, 150W, 200W, 350W can be selected according to the different power of the matching lamps. It needs to be placed in the air conditioner vent, integrated ceiling or junction box where the lamp is easy to repair.

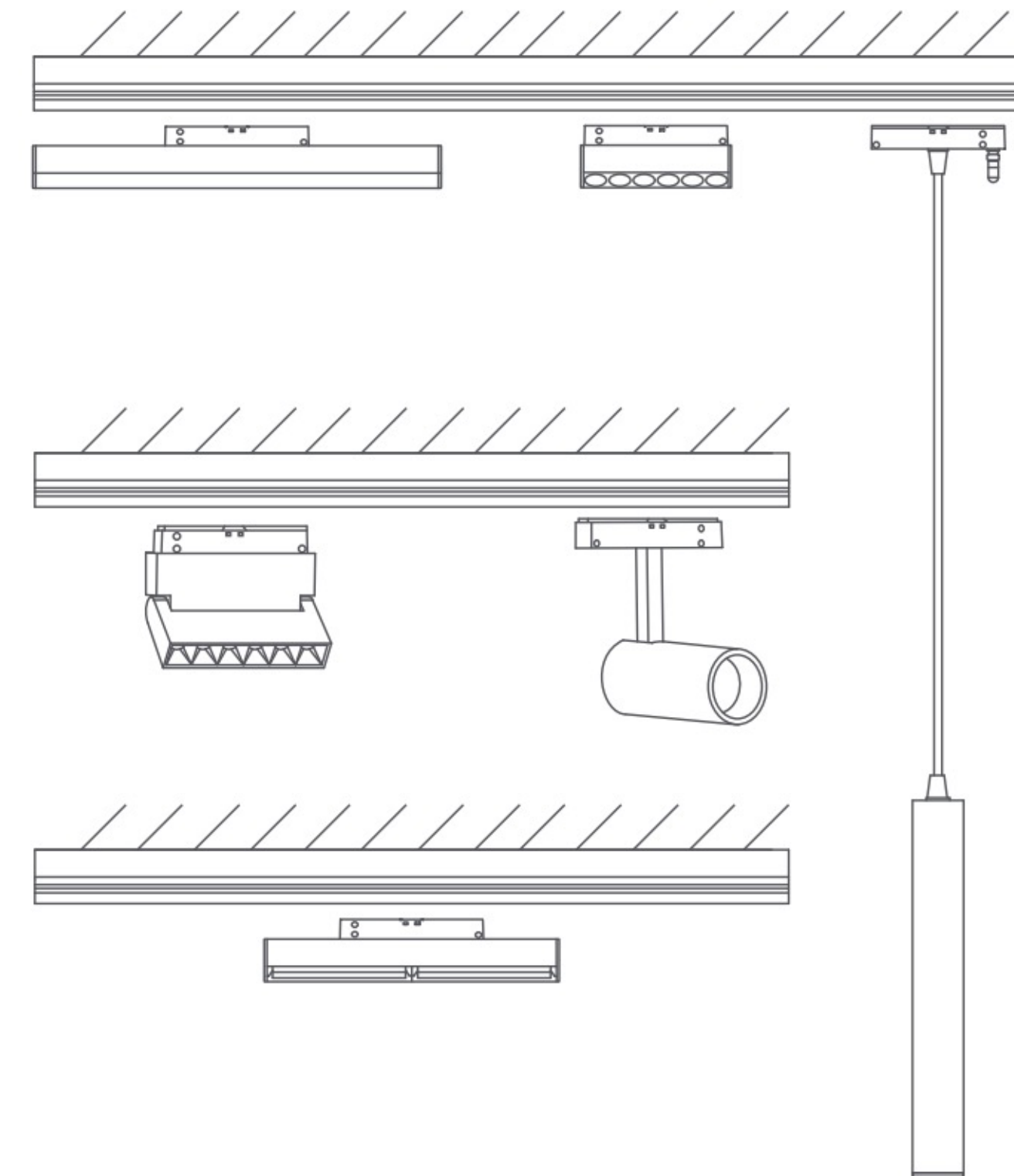


## Installation renderings of various lights



注意：安装时请断开电源！

将灯具电源触点部分插入已安装好的轨道槽内。



# Safety Precautions



## Warning

Warning: To prevent accidents that threaten personal safety such as lamp damage, falling, electric shock, and fire, please strictly follow the instructions for installation and use. It is not allowed to modify the lamp or replace components and accessories on your own. Please cut off the power supply before installation to prevent electric shock.

1. The track installation process of this product involves strong electricity, and it needs to be installed by professional personnel in accordance with electrical specifications and product instructions;
2. This product is only for indoor use and should not be used in damp environments or outdoors;
3. Pay attention to moisture prevention and do not spill water or other liquids onto this product;
4. Do not place this product near heat sources;
5. Do not attempt to repair this product on your own, authorized professionals is required.
6. The light source of this lamp is non replaceable; When the light source reaches its end of life, the entire lamp should be replaced.

# Content

- **Product Profile**
- **Product Features**
- **Product Installation**
- **FAQ**

### 1. Why the device will automatically turn on and off the lights?

1. Please confirm if the lighting fixtures are used in HomeKit and if there is an adaptive function turned on.
2. Please confirm if any related automation has been set up in Aqara Home or HomeKit, especially in the recommended automation section configuration in Aqara Home App. You can compare the time points of smart log execution to confirm if it is caused by automation execution.
3. Please power off the hub for 3 minutes and power on again to clear the cache.
4. Reset the lighting fixtures and add them again to observe if there will still be automatic light on/off situations.
5. When turning off the lights automatically, please confirm if it is paired with a non neutral wall switch as the power supply, please replace it with normal wall switch or neutral wall switch.
6. Please confirm if the hub, lighting fixtures firmware, and APP versions are the latest. If not, please upgrade to the latest version.
7. If the above steps have been checked, please record the automatic on/off log time, device ID, and bulb naming for the technical support team to check.

### 2. After installation, press the switch to turn on the light and it will flash twice.

After being powered on, it will automatically enter the binding state, so it will flash twice. Once successfully connected to the hub, it can be resolved. (This situation usually occurs when the hub is not added after the first installation or resetting of the lighting fixtures)

### 3. Unable to adjust color temperature and brightness.

1. Please check if the lighting fixtures can be controlled on and off in the APP to determine if they are online.
2. Please check if the firmware version and app version of the lighting fixture are the latest version.
3. Please check if it is paired with a non neutral switch. Please replace it with a regular switch or a neutral wall switch.
4. Please reset the lamp and try adding it again.

## 4. Why device is offline?

1. Please check if it is used with a no neutral wall switch. Please replace it with a regular switch or a with neutral wall switch.
2. Please confirm if the hub firmware version, lighting device version, and app version are the latest. If not, please update.
3. Check if the distance between the lighting device and the hub is too far apart.
4. Check if the hub that connected to the lighting device is offline? If so, keep the hub online first.
5. Is the power supply of the lighting device in an open state, such as whether the lamp holder is powered on normally, and whether the mechanical switch is kept on normally.
6. Turn off the power of the lighting fixture and power it on again to see if it can be connected online.
7. Reset the device and reconnect to see if it can be online normally

**THANK YOU**