Meaningful Innovation.

INSTRUCTION MANUAL

LED WORKSHOP RGB LIGHT

TECHNICAL DATA

MODEL	VT-80117
SKU	24588
LED POWER	7W
LUMENS	500 Lm
INPUT VOLTAGE	DC 24-48V
CONTROLLER CURRENT	12-25mA
BEAM ANGLE	120°
IP RATING	IP20
DIMENSION	423x20x36 MM

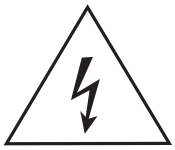
02 YEAR WARRANTY*





INTRODUCTION & WARRANTY

Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installing and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best. The warranty is valid for 2 years from the date of purchase. The warranty does not apply to damage caused by incorrect installation or abnormal wear and tear. The company gives no warranty against damage to any surface due to incorrect removal and installation of the product. The products are suitable for 10-12 Hours Daily operation. Usage of product for 24 Hours a day would void the warranty. This product is warranted for manufacturing defects only.



Caution, risk of electric shock.



This marking indicates that this product should not be disposed of with other household wastes.

MULTI-LANGUAGE MANUAL QR CODE

Please scan the QR code to access the manual in multiple languages.





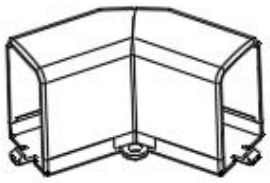
WARNING

- Please make sure to turn off the power before starting the installation.
- Installation must be performed by a qualified electrician.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
- For indoor use only.

PARTS OVERVIEW



LED Light Tube
0.4m (423mm, 7W) - 24 Pcs
[Included]



120° V Connector
2-Way Joint - IO Pcs
[Purchase separately]



120° Y Connector
3-Way Joint - 10 Pcs
[Purchase separately]



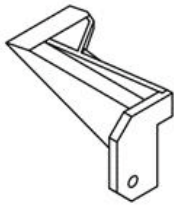
Power Supply
DC 24~48V
[Purchase separately]



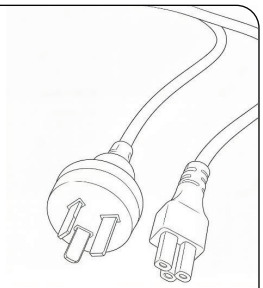
RGB Control System
SPI Controller -1 Pc
[Purchase separately]



Remote Controller
RAS 2.4G RF Remote - 1 Pc
[Purchase separately]



Disassembly Tool
Latch Release Tool - 1 Pc
[Purchase separately]



Power Cord (AC)
Mains Cable - 1 Pc
[Purchase separately]

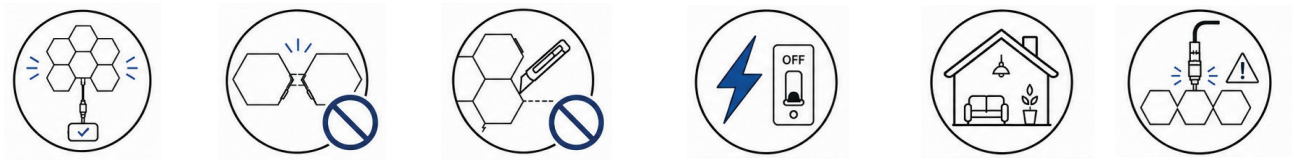


Power Cable (2 ends)
DC Extension Cable - 1 Pc
[Purchase separately]

INSTALLATION WORKFLOW

Identify Parts → Assemble Module → Connect Power → Test Operation → Mount

INSTALLATION GUIDELINES



TEST BEFORE INSTALLATION | DO NOT FORCE | DO NOT CUT OR MODIFY | SWITCH OFF POWER BEFORE WIRING | INDOOR USE ONLY | DO NOT OVERLOAD

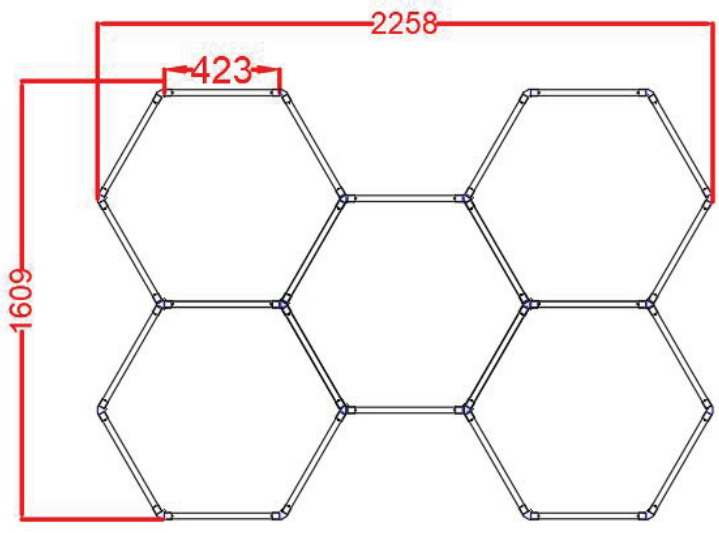
PARTS LIST

Component	Description	Quantity	Unit
1. Y-Connector (v2.0)	3-way connection	10	Pieces
2. Power Adapter	Desktop type, DC 48V, 240W	1	Piece
3. Power Cord (Dual-end)	Standard connection cable	1	Piece
4. RGB Control System	Central RGB controller	1	Piece
5. RGB Remote Controller	Wireless remote unit	1	Piece
6. Power Cord	Standard power cable	1	Piece
7. Plastic Expansion Screws	For mounting and installation	10	Pieces

LED light only is included. All other components must be purchased separately.

Note: When using a 24V power adapter, a maximum of 3 hexagons can be connected to one power adapter. For larger configurations, please use a suitable 48V power supply according to the required load.

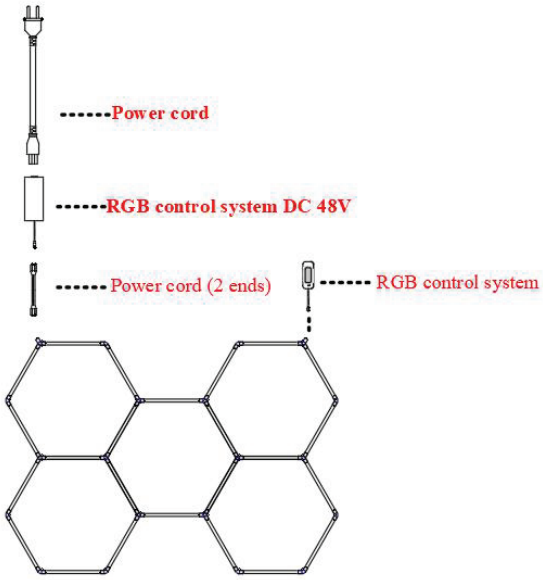
OVERVIEW



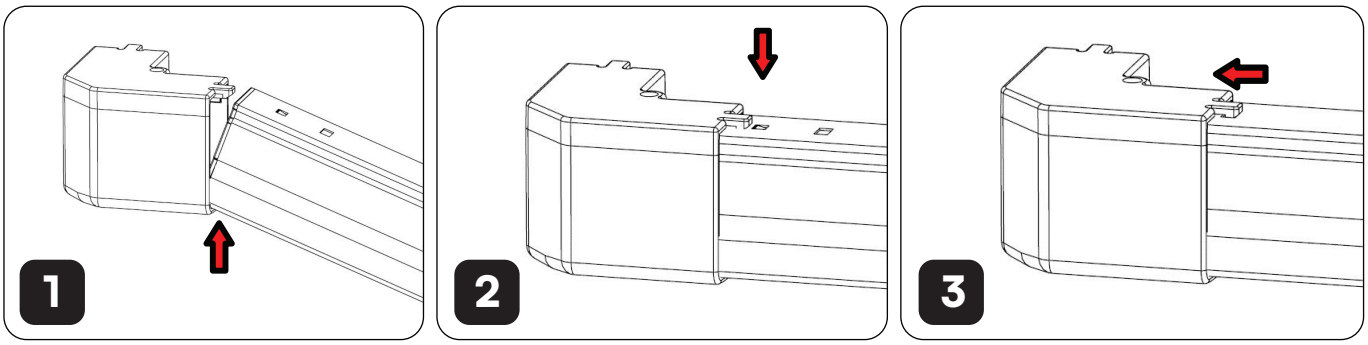
Note: This diagram is provided for reference purposes only. For additional design concepts, please scan the QR code.

SCAN THE QR CODE TO EXPLORE MODULAR LAYOUT IDEAS

LAMP CONTROL SKETCH

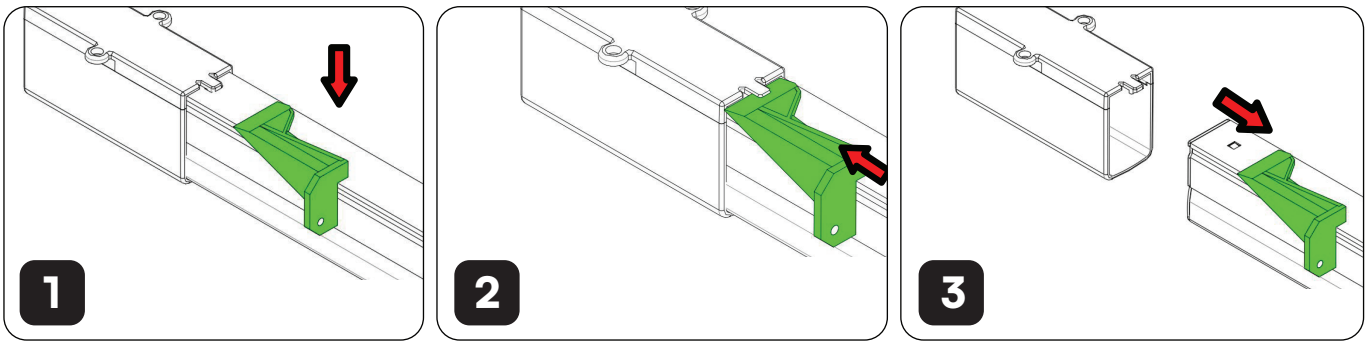


CONNECTION HEAD INSTALLATION INSTRUCTION



- Step 1: Insert the light fixture cover diagonally into the connection head.
- Step 2: Insert the light fixture fully into the connection head.
- Step 3: Push the light fixture completely into place until the connection head latch securely engages, ensuring the fixture is properly locked and the installation is complete.

DISASSEMBLY INSTRUCTIONS



- Step 1: Position the right-angle side of the disassembly tool firmly against the aluminum housing of the light fixture.
- Step 2: Push the disassembly tool toward the connection head to release the connection head latch.
- Step 3: Once the latch is released, carefully remove the light fixture from the connection head.

OVERALL ASSEMBLY INSTRUCTIONS

- Before assembly, refer to the Connection Head Installation Instruction to determine the correct arrangement of the light fixtures and connection heads. Lay out all components on the ground according to the diagram.
- Ensure that the position and orientation of each connection head are correct. If a connection head is installed incorrectly, refer to the Disassembly Diagram for the proper removal procedure.
- After completing the assembly, perform a power test on the ground to verify that all light fixtures are correctly installed and functioning properly.
- Once the assembly and power test are complete, proceed with the installation of the ceiling accessories.

2.4G REMOTE CONTROL

A four-channel addressable RGBW LED controller featuring dynamic lighting, music-synchronised, and DIY effects, designed to provide versatile lighting and ambience control.



The 2.4G remote control is compatible with the controller and supports the following control configurations:

- **One-to-Many Control:** One remote control can control multiple controllers.
- **Many-to-One Control:** Each controller can be paired with up to 5 remote controls.

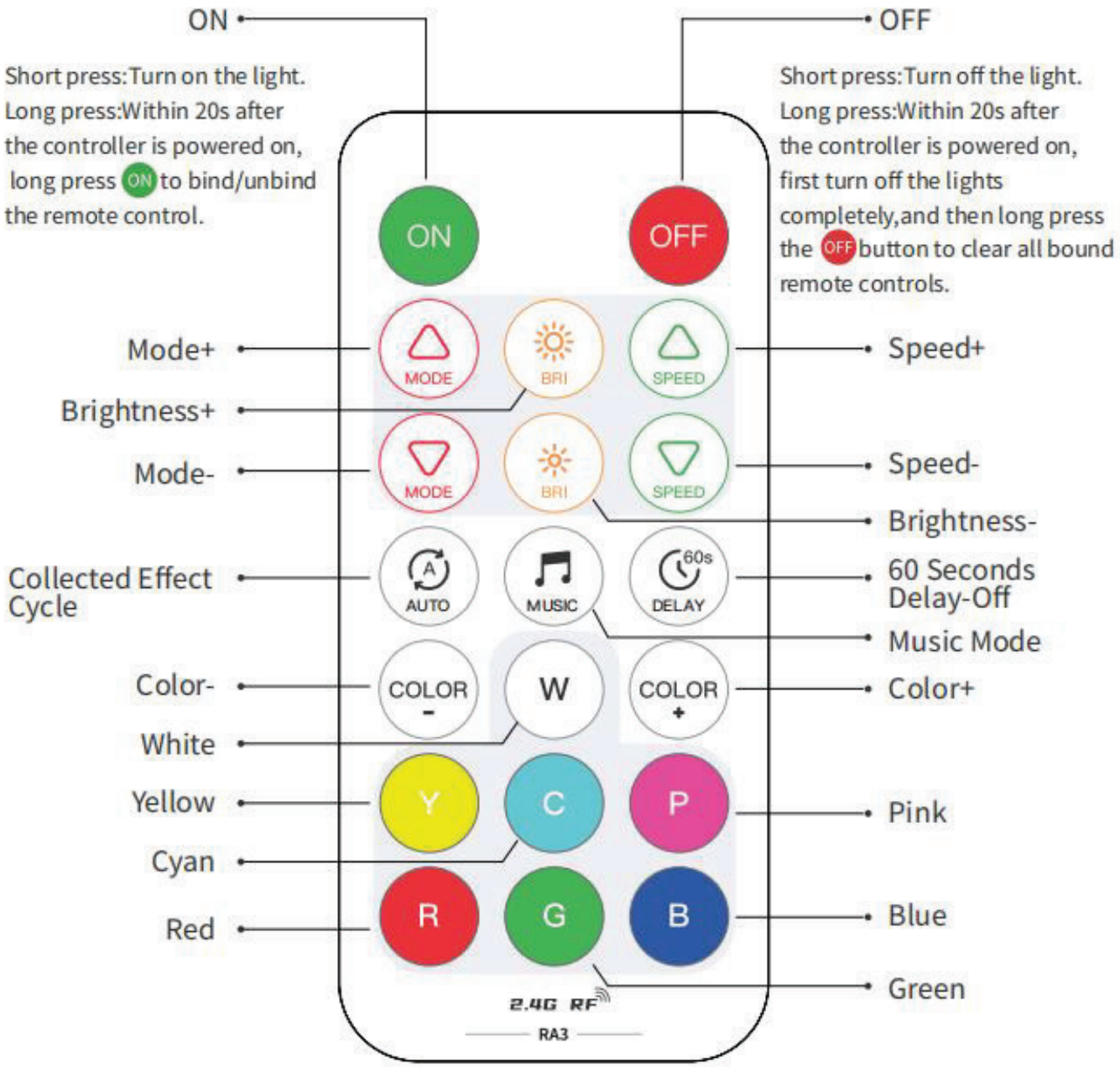
TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Working Voltage	DC: 24 ~ 48V
Working Current	12 ~ 25 mA
Working Temperature	−20°C to 60°C
Dimensions	55 × 26 × 12 mm (excluding wires)

OPERATION WITH THE 2.4G REMOTE CONTROL

The RA3 2.4G remote control is compatible with the controller and supports the following control configurations:

- **One-to-Many Control:** One remote control can operate multiple controllers.
- **Many-to-One Control:** Each controller can be paired with up to five remote controls.



BATTERY INFORMATION

- Battery Type : Lithium Coin Cell
- Model : CR2025
- Rated Voltage : 3V
- Battery : Included

Note: The battery is pre-installed/included with the product. Please observe the correct polarity (+/–) when replacing the battery.

SMART PHONE APP

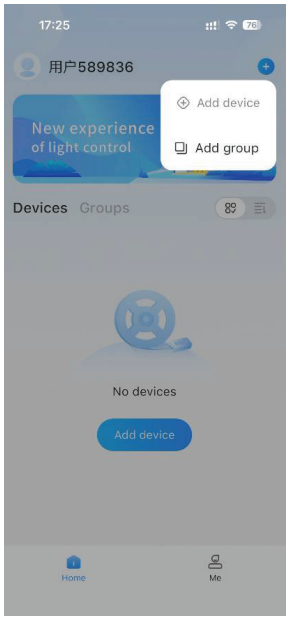
- Supports control via mobile app and 2.4G wireless remote control.
- Supports up to 450 single-wire RZ RGBW LED driver ICs.
- Includes a variety of music-synchronised and dynamic lighting effects, with pause functionality and multiple adjustable parameters.
- Supports music capture through the mobile phone microphone, media player/streaming applications, and the built-in microphone.
- Supports effect collection and management.
- Supports customised DIY lighting effects.
- Provides a variety of ON/OFF animation effects.
- Includes sequential channel calibration and ON/OFF timer functions.
- Supports OTA (Over-the-Air) firmware updates.

REMOTE CONTROL SAFETY INSTRUCTIONS

- Before using this product, make sure that all parts are configured correctly according to the instructions in the attached instruction.
- The product should not be used by persons under 5 years of age without supervision by a parent or guardian.
- Ensure that the power batteries are configured correctly and have the appropriate parameters as specified by the manufacturer.

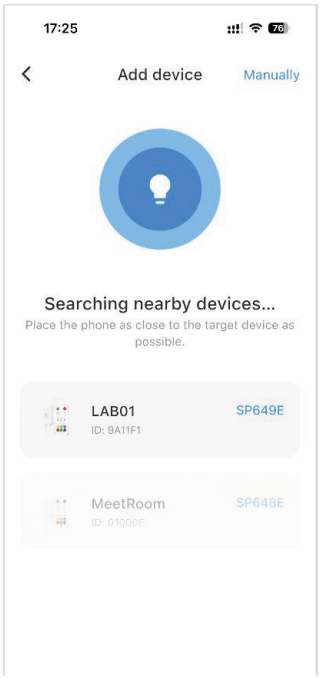
- The app control via iOS and Android devices.
- Apple devices require iOS 10.0 or later, while Android devices require Android 4.4 or later.
- Search for “BanlanX” in the Apple App Store or Google Play Store to download and install the app. Alternatively, scan the QR code provided to download and install the app.

APP OPERATIONS
DEVICE SETUP & GROUP CONTROL INSTRUCTIONS



STEP 1: ADD THE FIRST DEVICE

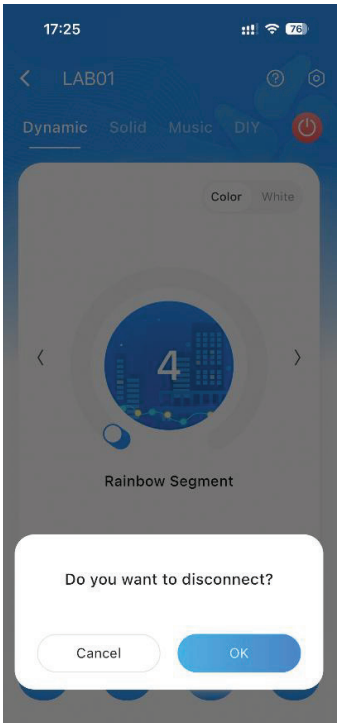
1. Open the app, tap the “+” icon in the top-right corner, and select “Add Device.”

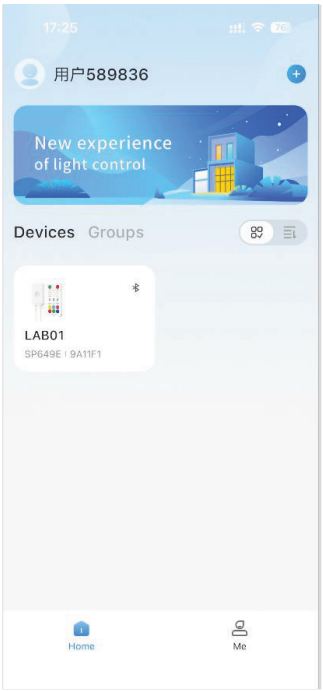


2. From the search results, locate the first light (e.g., LAB01) and tap it to connect.

DISCONNECT TO FREE UP BLUETOOTH

1. After the connection is established successfully, tap the Back arrow in the top-left corner to return to the previous screen.
2. A confirmation prompt will appear: “Do you want to disconnect?”
3. To connect an additional light, select “OK” to disconnect the current light and free up the Bluetooth connection.



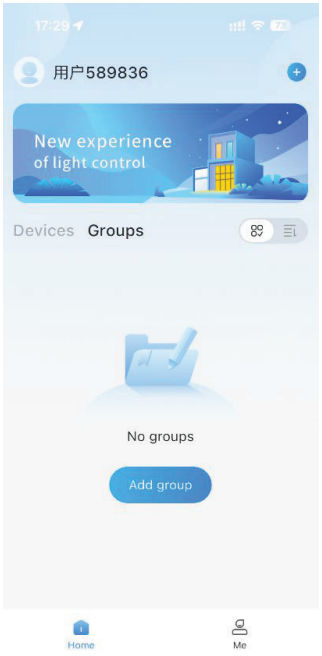


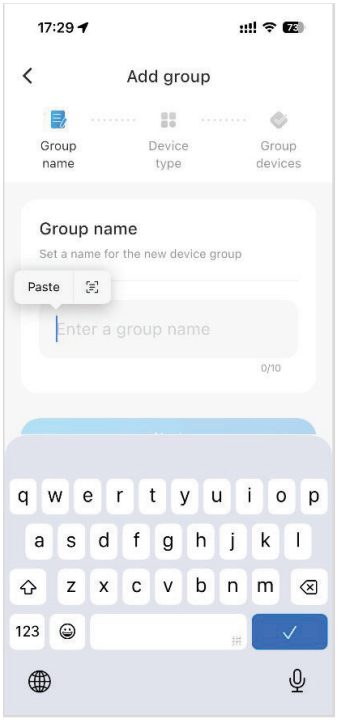
STEP 3: ADD ADDITIONAL DEVICES

1. Repeat the previous connection steps to add a third or additional light (e.g., MeetRoom).

STEP 4: CREATE A GROUP FOR SYNCHRONIZED CONTROL

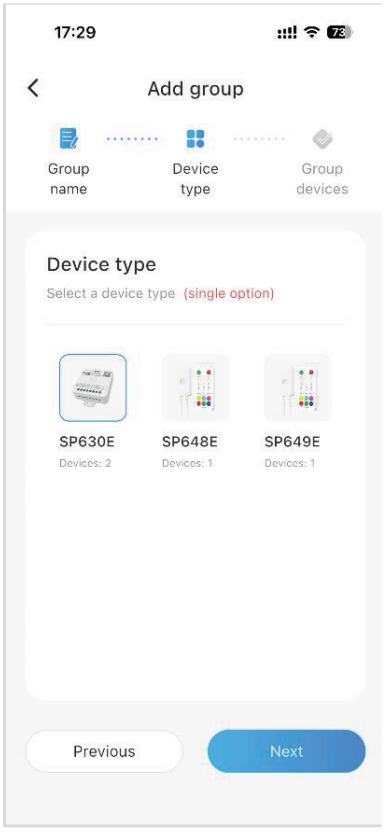
1. Once all lights have been added individually, return to the main page, tap the “+” icon, and select “Add Group.”

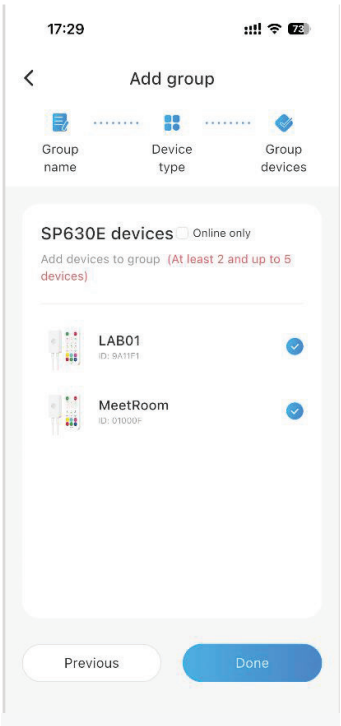




2. Enter a name for the group (e.g., “Office Lights”) and tap “Confirm.”

3. Select the device type you want to control, then tap “Next.”

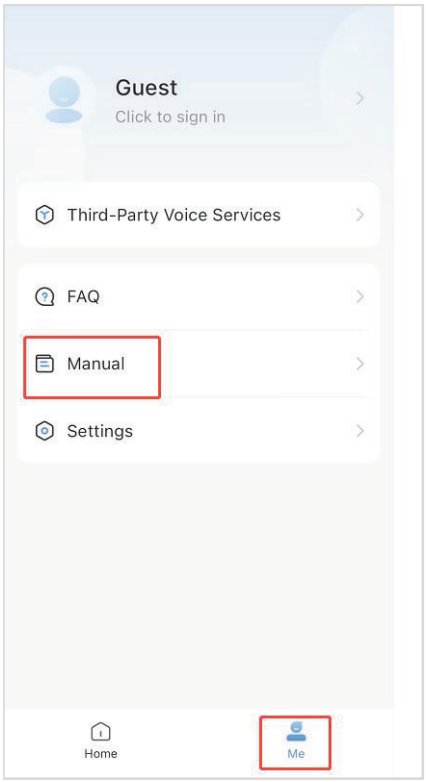


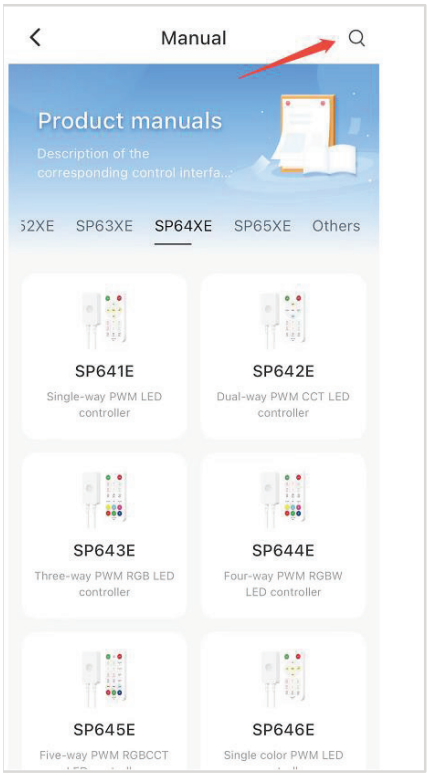


4. Select the lights you want to control together (e.g., LAB01 and MeetRoom), then tap “Finish.”

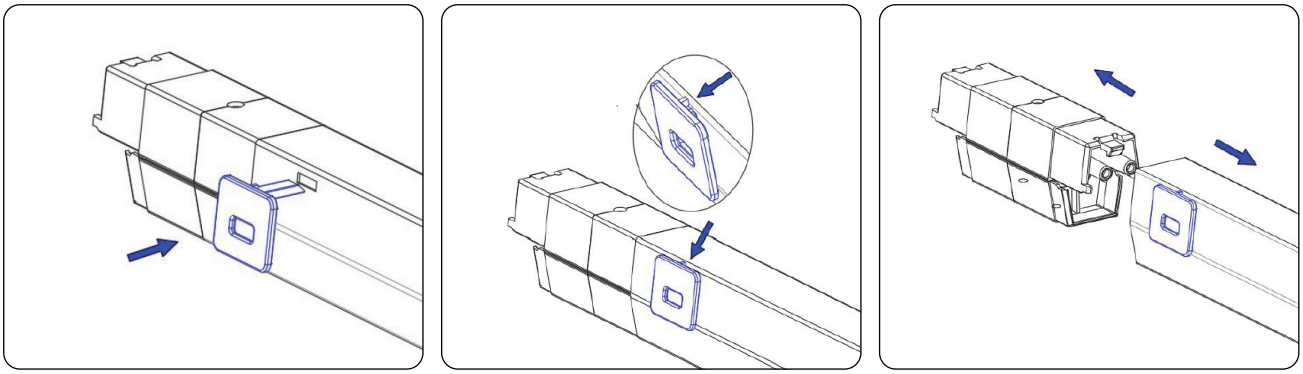
STEP 5: ACCESS DETAILED INSTRUCTIONS IN THE APP

If you are unsure about any step or need information about specific functions (such as effect speed, music synchronization, etc.), you can search for the specific model (e.g., SP648E) in the app's "Manual" section. Detailed instructions are provided for each page.





CONNECTOR REMOVAL INSTRUCTIONS



Step 1: Insert the disassembly tool into the release slot on the lamp. Ensure the tool is fully inserted and sits flush against the lamp tube.

Step 2: Pull the connector straight away from the lamp to remove it.

Note: Do not use excessive force when removing the connector to avoid damaging the lamp or connector.



Removable Tool

MOUNTING INSTRUCTIONS

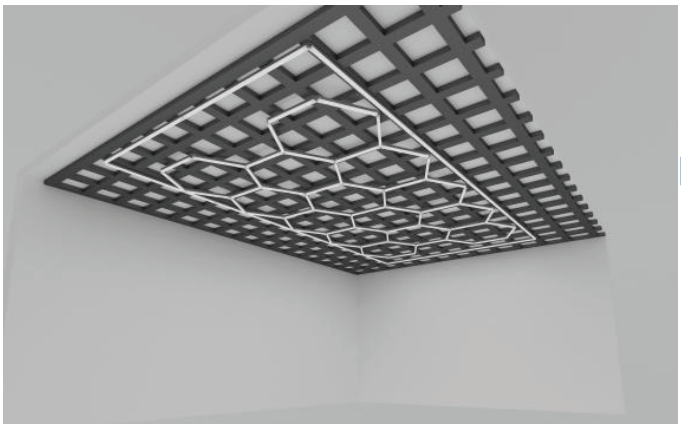
TEST BEFORE FIXING TO THE CEILING!

WARNING: Always test the complete assembly and verify that all components are functioning correctly before permanently fixing the product to the ceiling.

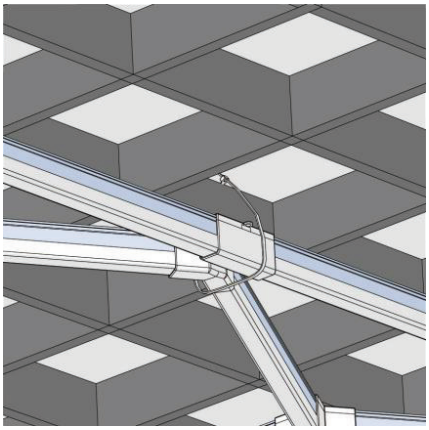
Remark: Installation must be carried out by a qualified professional electrician.

A. GRID CEILING

Secure the product to the ceiling grid using suitable cable ties (zip ties). Ensure the product is firmly supported and cannot move or become detached.

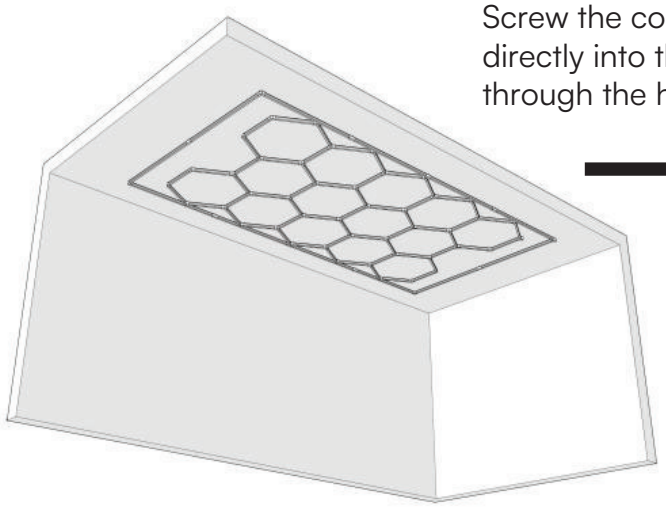


Zip ties with it.

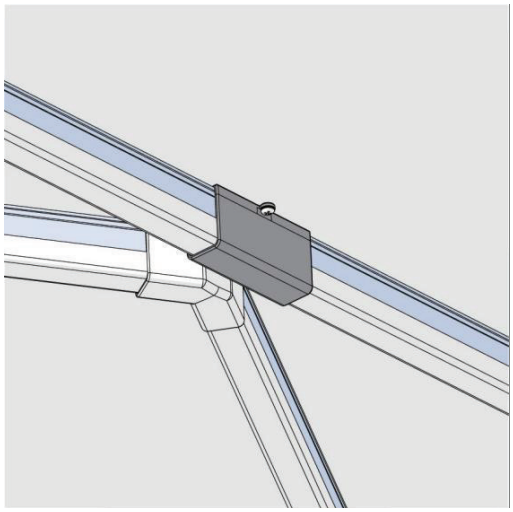


B. FLAT CEILING

Secure the connector directly to the ceiling using appropriate screws and suitable fixings for the ceiling material. Ensure the fixing is secure and capable of supporting the product safely.



Screw the connector directly into the ceiling through the hole.

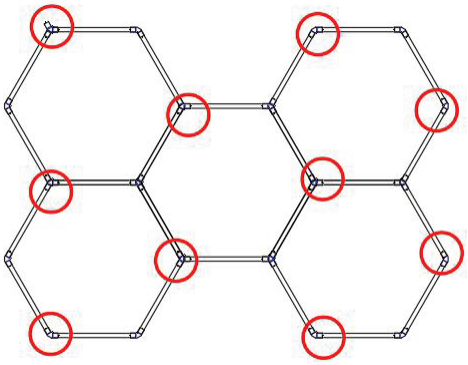


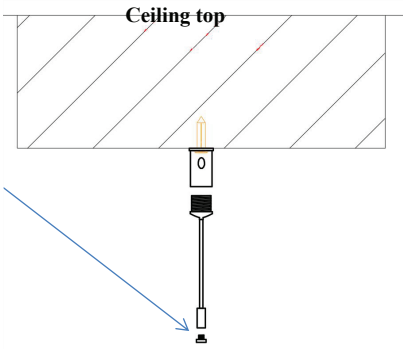
C. HIGH-RISE CEILING — PENDANT CHAIN SET (BUY SEPERATELY)

For high ceilings, use the supplied pendant chain set to suspend and support the product.

1. Attach the pendant chain set to the designated suspension points on the product.
2. Secure the suspension point firmly to the ceiling using a suitable ceiling anchor/fixing.

3. Ensure all suspension points are securely fastened and that the product is level and stable before connecting the power supply.
4. Use suitable fixings according to the ceiling construction and ensure the installation can safely support the product weight.





IMPORTANT NOTES

- This product contains battery type "Primary" (non-rechargeable).
- Electrical and electronic equipment that has become waste is known as old equipment/device. Old devices must not be disposed of with other household waste.
- Owners of old devices at the end of its service life must return the device by taking them to the collection points set up by public waste disposal authorities or distributors. This return does not entail any costs for you.
- Owners of old devices have an obligation to remove accessible batteries / rechargeable batteries as well as non-destructively removable lamps from the old device prior to return. This does not apply if old devices are being prepared for reuse with the participation of a public law firm.
- Batteries removed from an old electronic device should be disposed of separately. This return of battery does not entail any costs for you and the user is obliged to return the battery.
- Please make sure that this product is not powered on when removing the battery. Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery. Please handle the battery with Caution!
- If electrical appliances or batteries are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.



- The symbol of "Crossed rubbish bins "indicates that this product should not be disposed of with other household wastes and must be collected separately from unsorted municipal waste at the end of its service life.
- Please use the link below to view the online directory of the collection and return points:https://www.ear-system.de/ear-verzeichnis/sammel-und-ruecknahmestellen

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