Meaningful Innovation.

INSTRUCTION MANUAL

LED WORKSHOP LIGHT
MODULAR DIY ASSEMBLY



02 YEAR WARRANTY*

TECHNICAL DATA

MODEL	VT-80107	VT-80109	VT-80111	VT-80116
SKU	24571, 24572	24573	24574, 24575	24576, 24577
POWER	7W	9W	11W	16W
LUMENS	600 Lm	670 Lm	870 Lm	1600 Lm
DIMENSION	440x25x33 MM	557x25x33 MM	720x25x33 MM	1175x25x33 MM
INPUT VOLTAGE	AC 100-240V, 50/60Hz			
BEAM ANGLE	120°			
IP RATING	IP20			

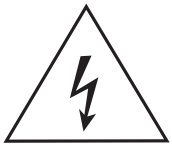
INTRODUCTION & WARRANTY

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.

MULTI-LANGUAGE MANUAL QR CODE

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





Caution, risk of electric shock.



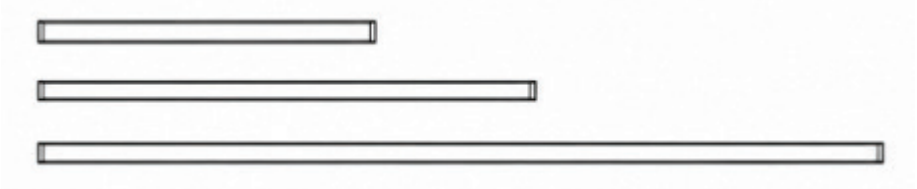
This marking indicates that this product should not be disposed of with other household wastes.

WARNING

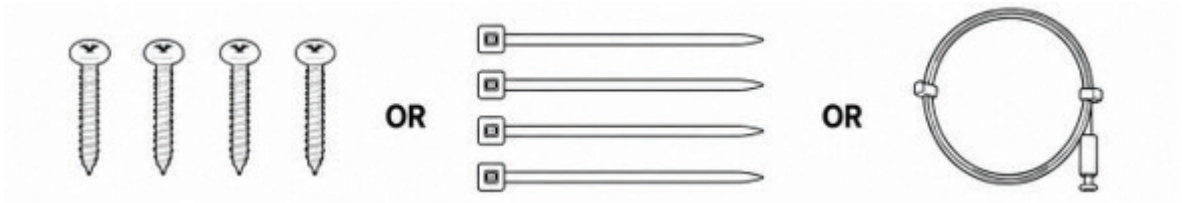
- Please make sure to turn off the power before starting the installation.
- Installation must be performed by a qualified electrician.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
- For indoor use only.

PARTS OVERVIEW

Light Tube
Different Length

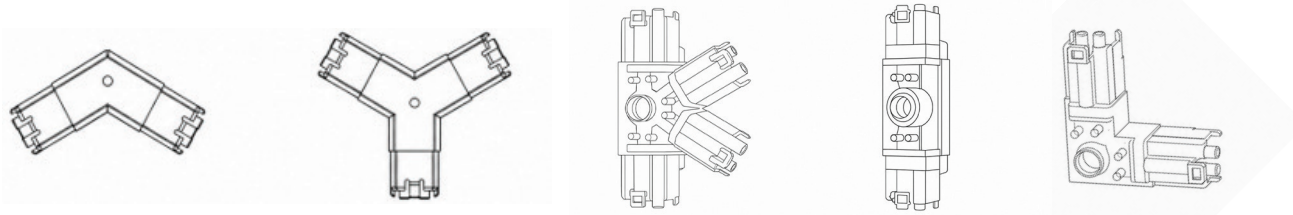


Mounting Accessories



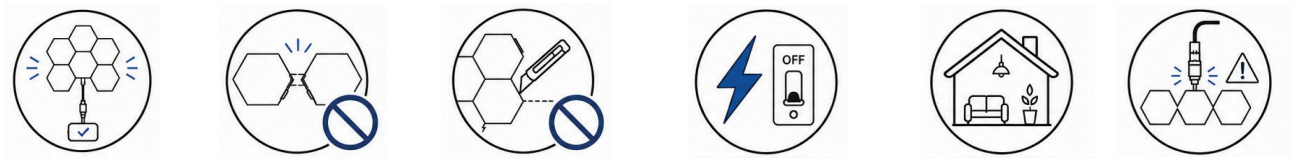
Screws | Zip Ties | Hanging Wire

Connector Types



V Connector | Y Connector | K Connector | I Connector | L Connector

INSTALLATION GUIDELINES



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

INSTALLATION WORKFLOW

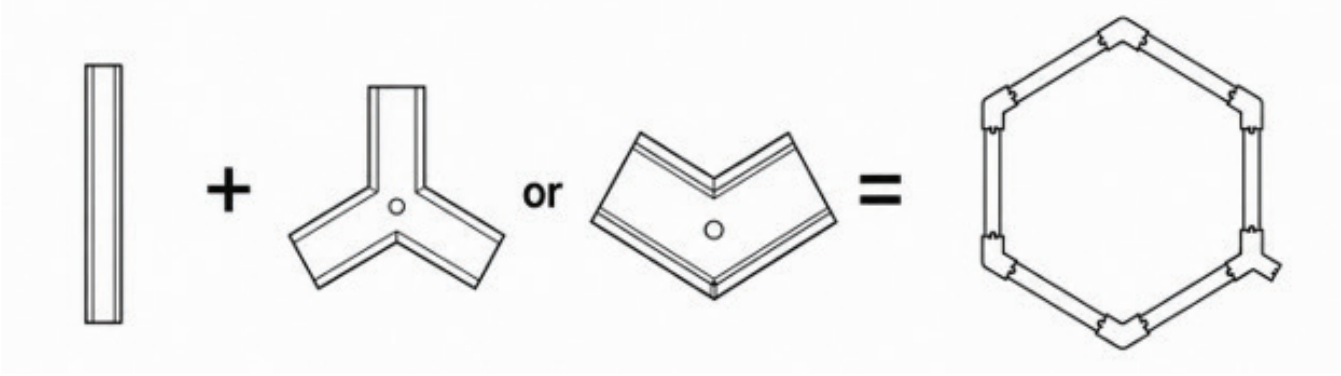
Identify Parts → Assemble Module → Connect Power → Test Operation → Mount Fixture → Expand System (Optional)

BASIC HEXAGON ASSEMBLY

One Hexagon Module

6 Light Bars + 1 Y Connector + 5 V Connectors = 1 Complete Hexagon Module

- The Y Connector serves as the power input point, while the V Connectors are used to complete the remaining corners.

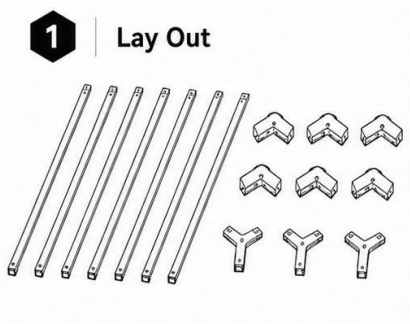


LIGHT BAR (TUBE)
LED Light Bar Segment

Y CONNECTOR OR V CONNECTOR
120° 3-way joint / 120° 2-way joint

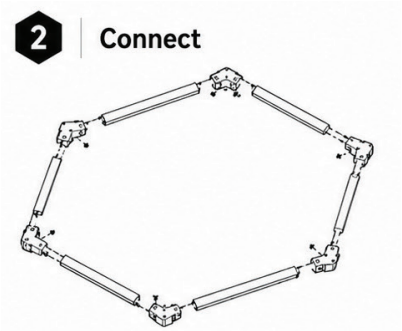
BASIC HEXAGON MODULE
1 completed hexagon

ASSEMBLY INSTRUCTIONS



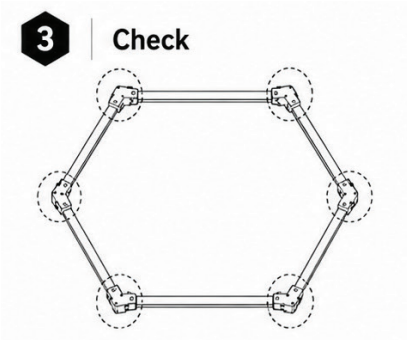
Prepare the Components

Lay out all light bars, corner connectors, and Y-connectors on a clean, flat surface. Verify that all components are included before assembly.



Assemble the Hexagon

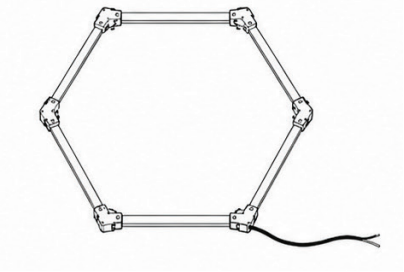
Insert each light bar into the corner connectors to form the hexagonal frame. Ensure every connector is fully seated and securely locked.



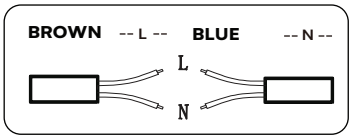
Inspect the Connections

Check that all connectors are correctly aligned and firmly attached. Loose or misaligned connections may affect performance.

4 Cable



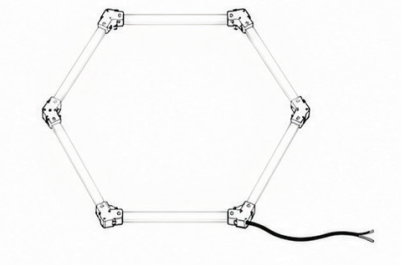
WIRING DIAGRAM



Connect the Power Cable

Attach the power cable to the designated input connector on the assembled hexagon. Ensure the connection is secure.

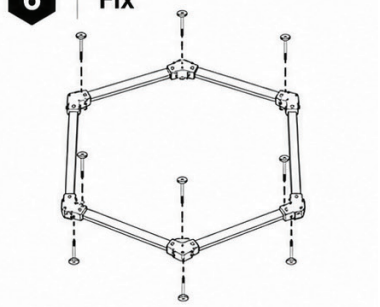
5 Test



Test the Light

Connect the power supply and switch on the unit to confirm that all light bars illuminate correctly. If any section does not light up, disconnect the power and recheck all connections.

6 Fix

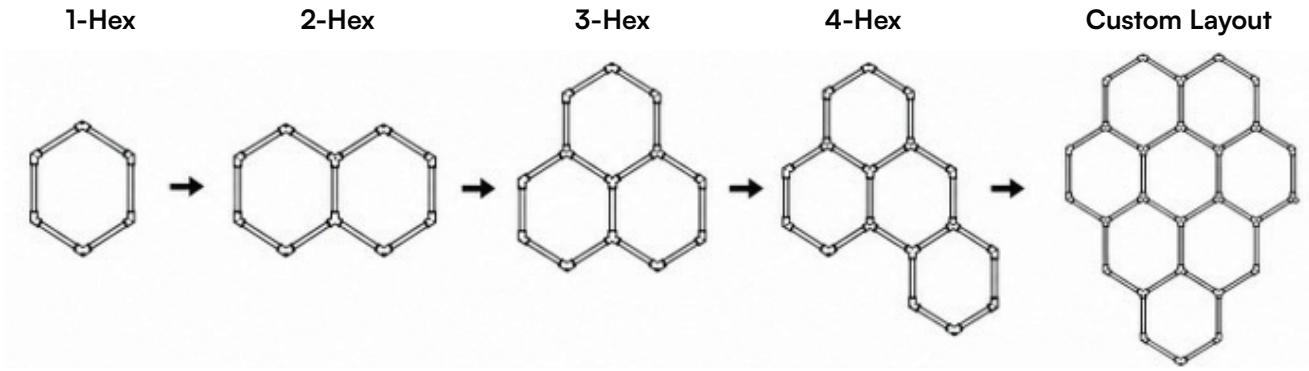


Mount the Fixture

Once the test is successful, secure the assembled hexagon to the installation surface using the supplied mounting hardware. Tighten all screws evenly to ensure a stable installation.

MODULAR EXPANSION

Begin with one hexagon module and connect additional modules to build a customized lighting design.

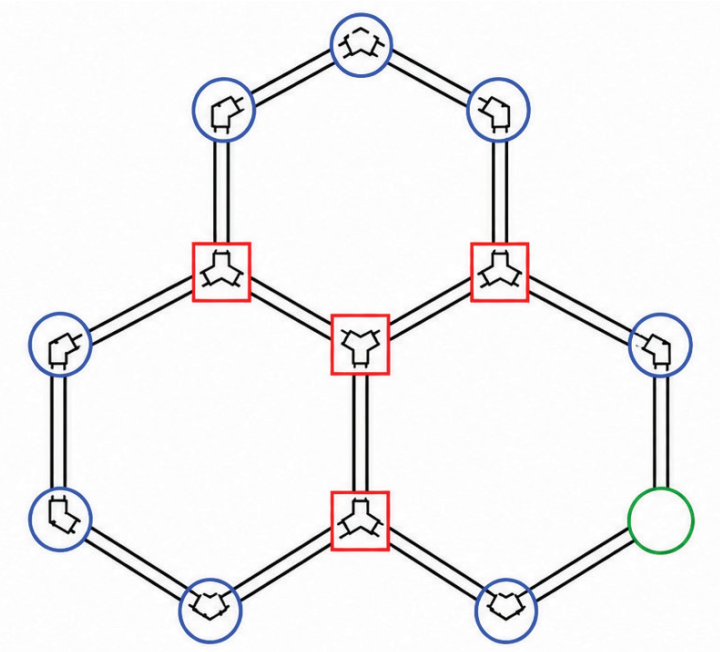


1-Hex	2-Hex	3-Hex	4-Hex	Custom Layout
Basic module 1 hexagon	Add tubes and connectors to expand	More combinations more possibilities	Expand in different directions	Create your own unique lighting design

Note

The layouts shown are for illustration purposes only. The modular lighting system can be expanded in multiple directions by adding additional light bars and repositioning the connectors to create custom configurations.

CONNECTOR POSITION DIAGRAM



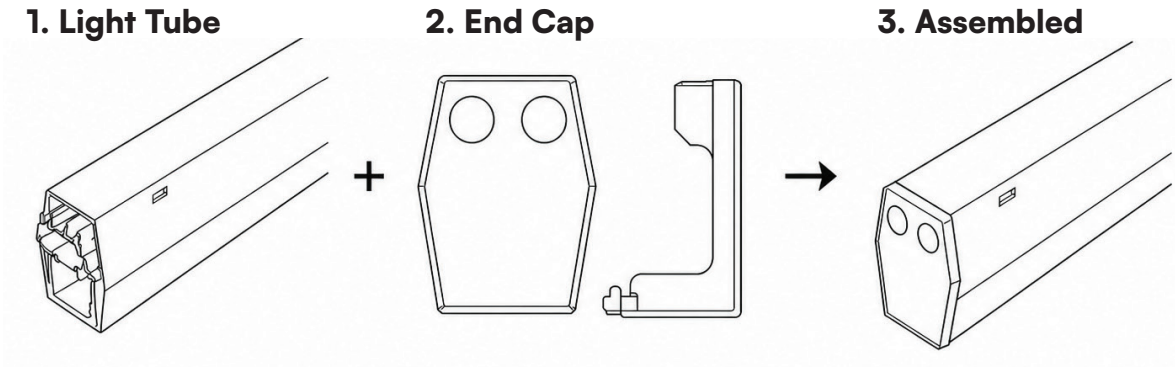
V Connector Position
Used at regular outer corners

Y Connector Position
Used where multiple hexagons share one point

Power Connection Point
Uses a connector with one more outlet than the regular corner connector, reserved for cable / power entry

END CAP INSTALLATION

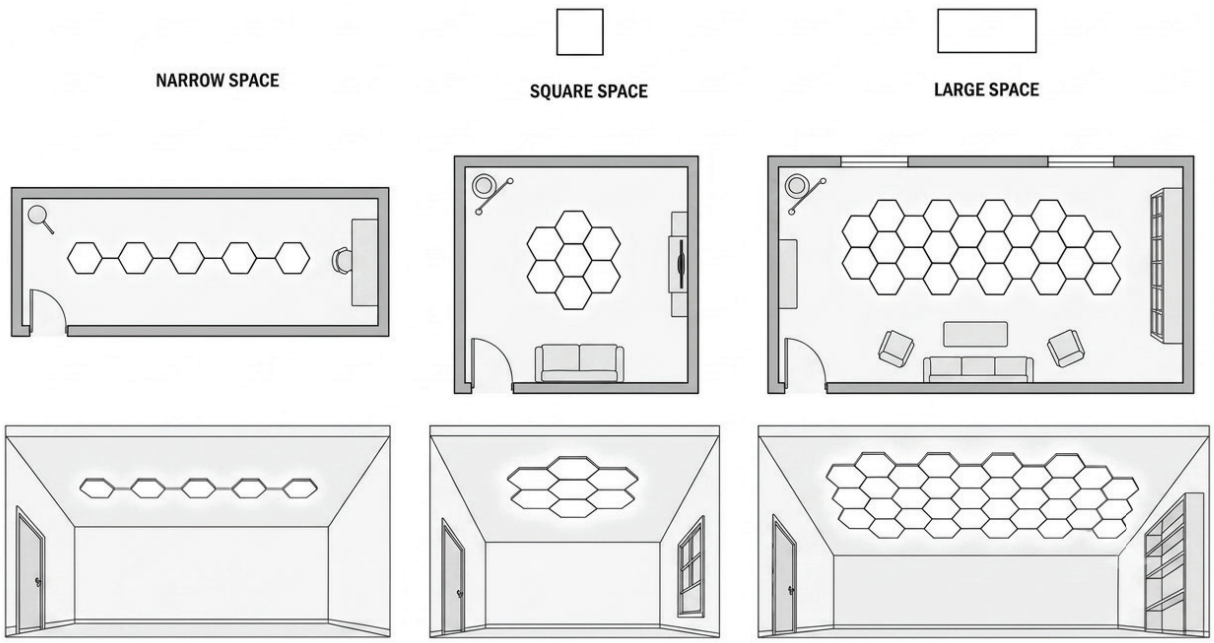
Use end caps on exposed tube ends to create a clean, finished appearance and help protect the inside of the tube.



Note:
End caps are designed for light tubes with exposed ends that are not connected to another tube. They help cover the open end, reduce dust and debris from entering the tube, and provide a cleaner, more professional finished installation.

CREATE YOUR OWN MODULAR LIGHTING LAYOUT

DESIGN ACCORDING TO SPACE



SCAN THE QR CODE TO EXPLORE MODULAR LAYOUT IDEAS

MAXIMUM NUMBER OF LIGHT BARS PER POWER CABLE

The table below shows the maximum number of light bars that can be connected to a single power cable when operating with a 220—240 V AC power supply.

TUBE LENGTH	MAXIMUM QUANTITY
440 mm	145 Pcs
557 mm	110 Pcs
750 mm	80 Pcs
1175 mm	55 Pcs

IMPORTANT

- The maximum supported configuration is based on a AC: 220-240V input.
- Do not exceed the maximum number of light bars per power cable.
- For larger modular layouts, use additional power input points to distribute the electrical load evenly.
- Ensure all electrical connections comply with local regulations.

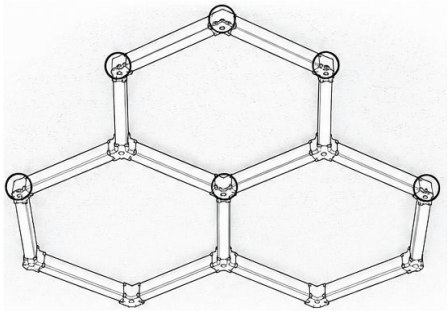
Warning: The final electrical connection must be carried out or verified by a qualified electrician before the system is energized.

MOUNTING INSTRUCTIONS

1. SCREW MOUNTING

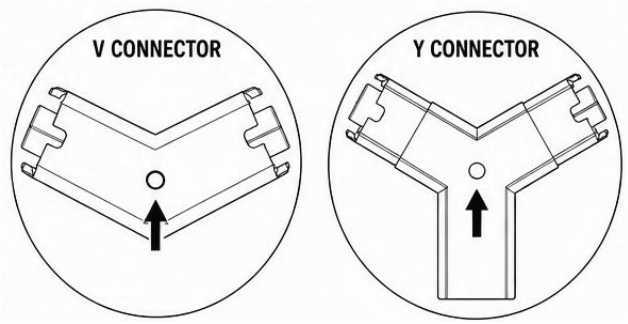
FOR FLAT SOLID CEILINGS

1 POSITION THE LIGHT



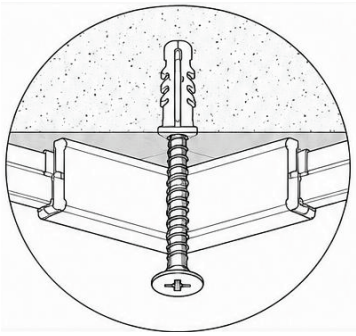
Position the assembled light frame against the ceiling and mark the locations of the connector holes.

2 LOCATE THE FIXING HOLES



Use the center hole of each V- or Y-shaped connector as the designated fixing point.

3 DRIVE THE SCREW



Insert the screw through the connector hole and securely fasten it into the ceiling.

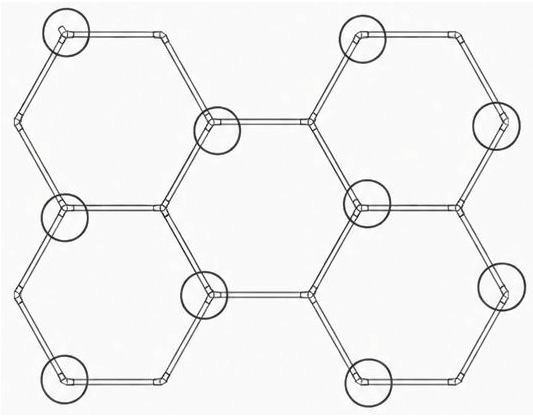
Note:
Use appropriate screws and anchors suitable for the ceiling material. Tighten each fixing evenly to ensure the frame remains level and securely mounted.

Important
TEST BEFORE INSTALLATION

2. HANGING WIRE MOUNTING

FOR HIGH OR OPEN CEILINGS

1



PLAN THE HANGING POINTS

Determine evenly distributed suspension points based on the planned DIY layout. The positions shown are for reference only and should be adjusted as necessary to suit the installation.

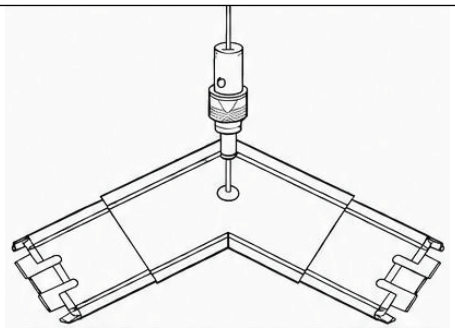
2



INSTALL THE CEILING FITTINGS

Secure one ceiling fitting directly above each designated support point.

3



ATTACH & LEVEL

Connect the wires to the light frame and adjust their lengths as necessary to ensure the frame is level.

Note:

Begin with three non-collinear suspension points to position and level the frame. Then add the remaining wires at evenly distributed intervals. The layout shown is for reference only; adjust the suspension points as required to suit your DIY design.

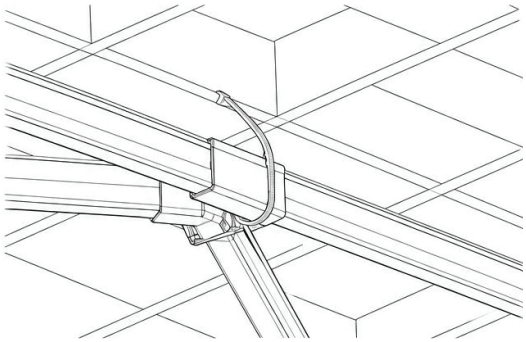
Important

TEST BEFORE INSTALLATION

3. ZIP TIE MOUNTING

FOR EXPOSED GRID CEILINGS

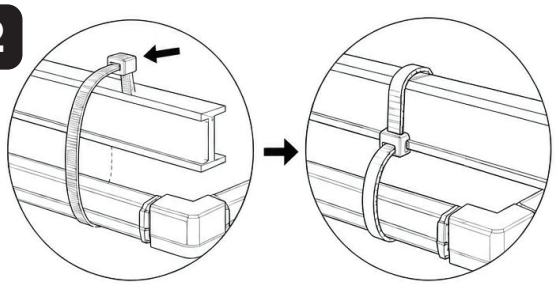
1



POSITION THE LIGHT

Position the assembled light frame directly beneath the ceiling grid.

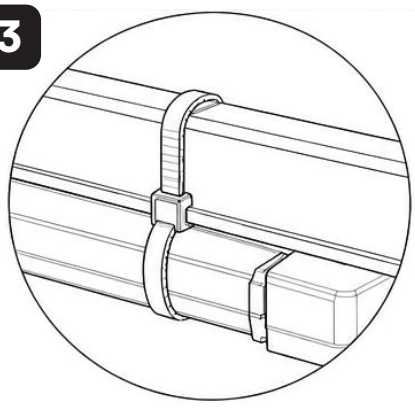
2



LOOP THE ZIP TIE

Pass the zip tie securely around both the ceiling grid rail and the light frame.

3



TIGHTEN & TRIM

Tighten the zip tie firmly to secure the frame, then trim off the excess tail.

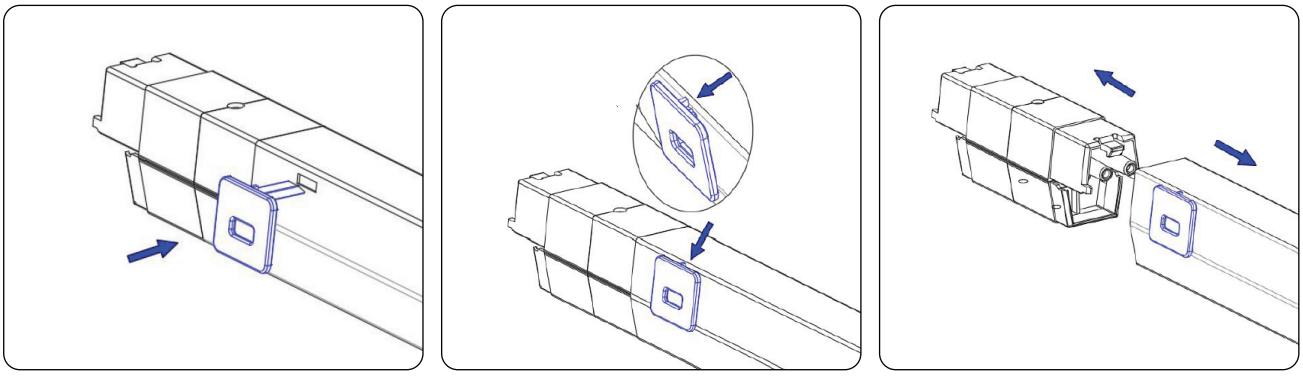
Note:

Secure each marked support point. Tighten all zip ties evenly to ensure the frame remains level and securely supported.

Important

TEST BEFORE INSTALLATION

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

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