

LED Linear Trunking System Installation Manual

Prior to Installation

Please read and understand all cautions, warnings, instructions, and product labels before installing linear light, otherwise, it could result in injury and void the warranty.

Warning

- ▶ Luminaires are suitable for direct mounting on normally flammable surfaces.
- ▶ Disconnect power before installing or servicing. This lighting fixture must be installed, connected and tested by a qualified electrician.
- ▶ Please check local voltage in accordance with the product requirements before using the product.
- ▶ The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- ▶ If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- ▶ The power cord please choose H07RN-F 3x1.5mm².
- ▶ The terminal box shall be approved according to EN 60998-2-1 or EN 60998-2-2; and shall comply with below specification: the type of terminal (screw/screwless); number of terminals ; (2 terminals for L/N connecting); rated voltage (>450 V); rated connecting capacity; (0.75-2.5mm²) the wire end must clamped by crimp terminal wire connector to prevent the free wire of conductor escaping; the terminal block must be protected against of electric shock; fixing the terminal block by glue; Connect up the red wire to 'L' terminal, and blue wire connected to 'N' terminal.
- ▶ The max distance between two suspension kits or surface mounted kits is adjustable, 3m maximum.
- ▶ The installation height is 15m maximum with 100lux.
- ▶ The electric current of each single wire and connector is 16A.

Maximum Quantity of Continual Connection Installation

Trunking Rail Length	5FT	2FT
Electric Current	16A	16A
Max. distance between Cords	3M	1.2M
Available Installation Height	2.5M - 15M	2.5M - 15M
Luminaire Power	80W /72W /65W /60W /50W /48W /40W /36W	32W /28W /26W /24W /20W /16W
Max. Quantity by Cascade Connection(220V/AC)	44 / 48 / 54 / 58 / 70 / 73 / 88 /97 PCS	110 / 125 / 135 / 146 / 176 /220 PCS

Total Length by Cascade Connection

220V: 66M ~ 145M



- ▶ Do not dispose of electrical appliances as unsorted municipal waste, use separated collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances 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.



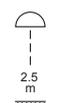
- ▶ For indoor use only.



- ▶ Caution, risk of electric shock.



- ▶ Class I equipment, this product must be earthed!

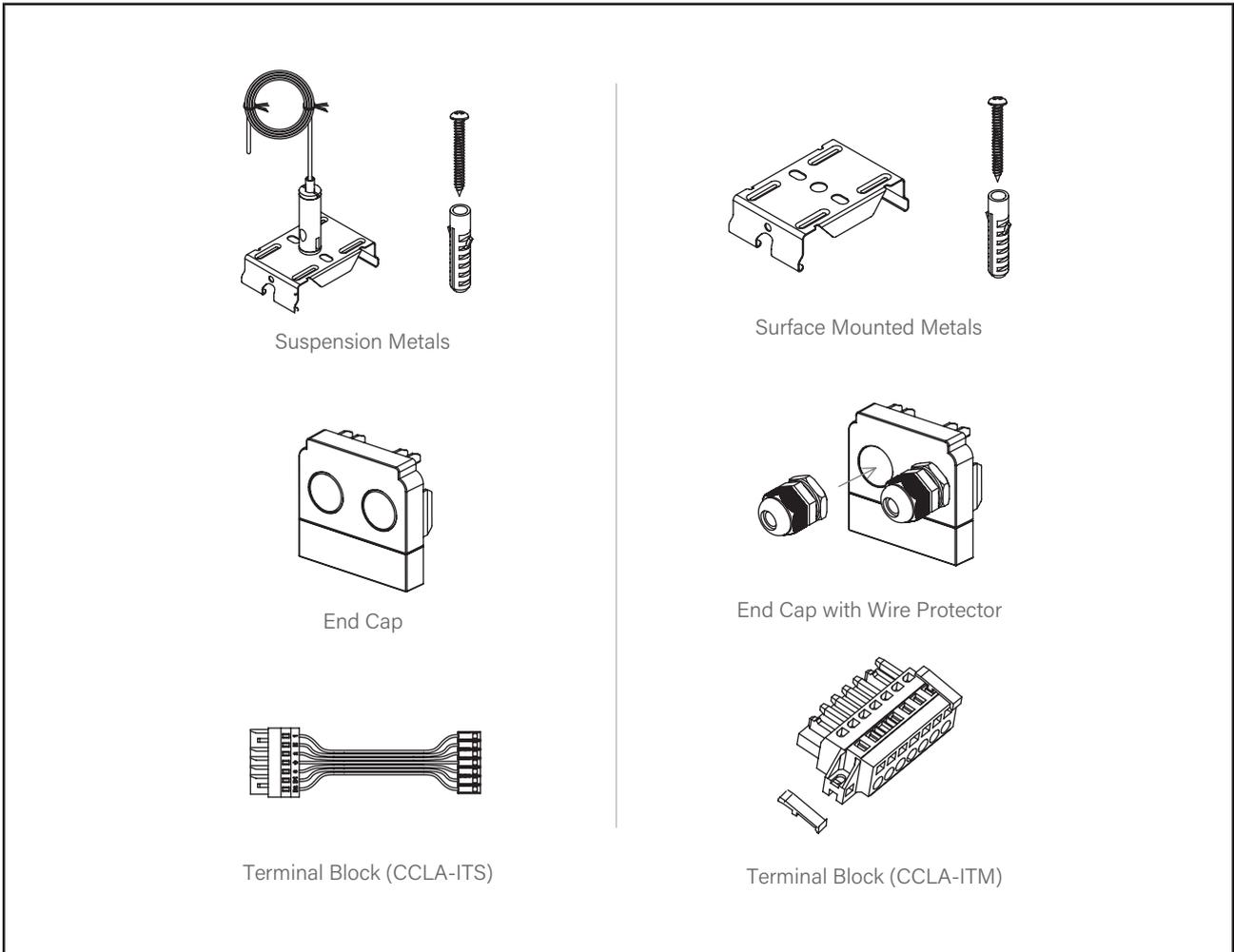


- ▶ Minimum distance from the light to ground is 2.5 meters.

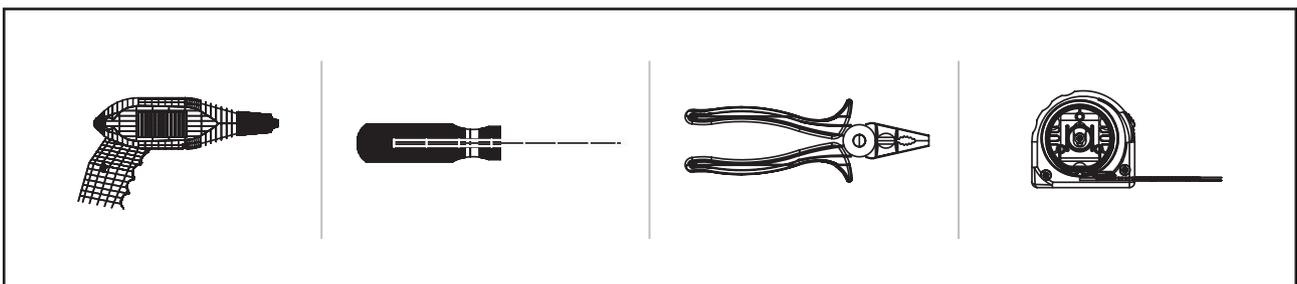
Installation Ready

Suspension Full Kit

Surface Mounted Full Kit



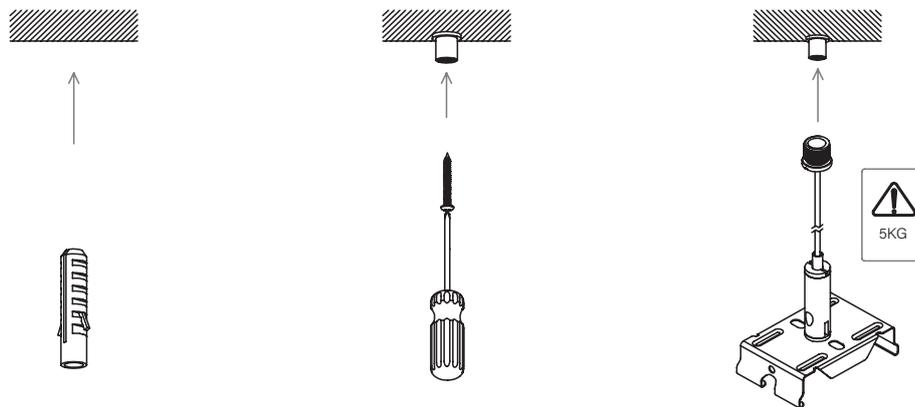
Installation Tools



Suspension Installation Manual

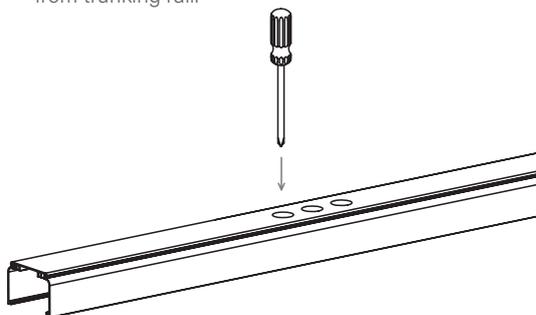
Step 1: Suspension

1-1. Mount the suspension kits to the ceiling.



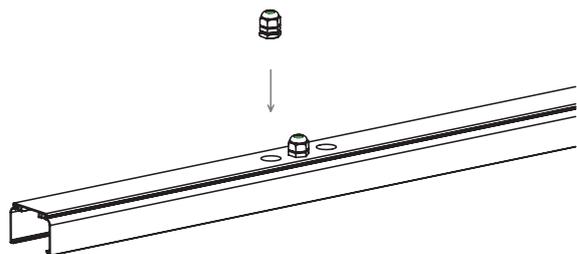
Note: The distance between two suspension kits is adjustable, 3 m maximum.

1-2. Disassemble 1 piece linear system as the trunking rail and luminaire to wire input.
Tap out 1, 2 or 3 holes with screw driver to input wires from trunking rail.

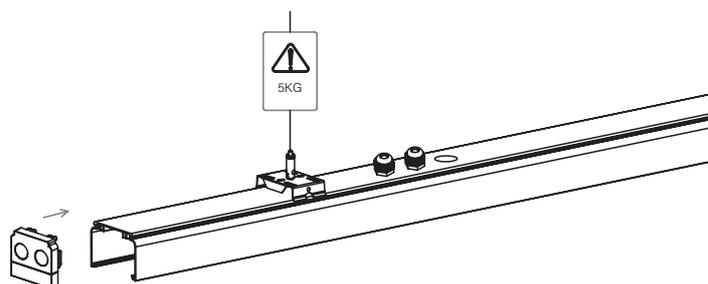


Note: 2 holes for 5/7 wires, 3 holes for 11 wires.

1-3. Screw the wire protector to the holes in the trunking rail.

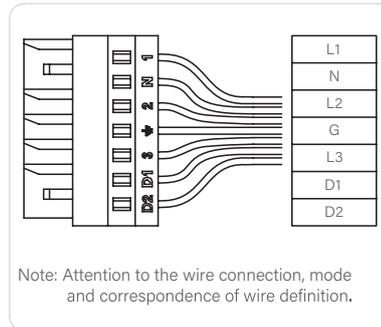
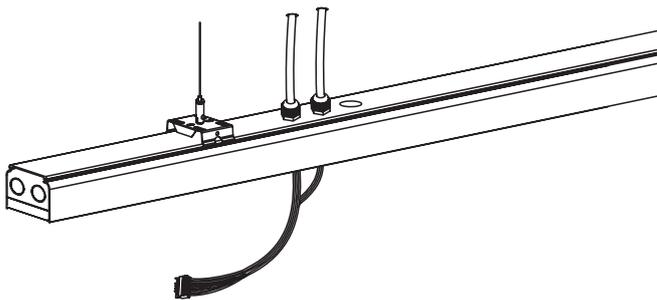


1-4. Screw the end cap which is closed to the wire input to the trunking rail.

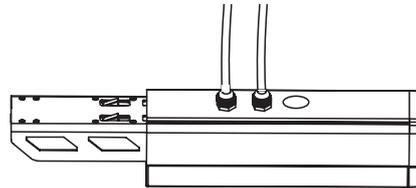
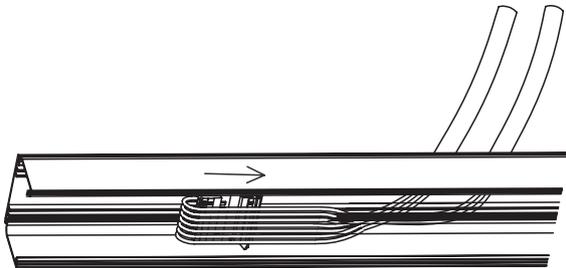


Step 2: Wire Input

2-1. Input cables with terminal block CCLA-ITS.

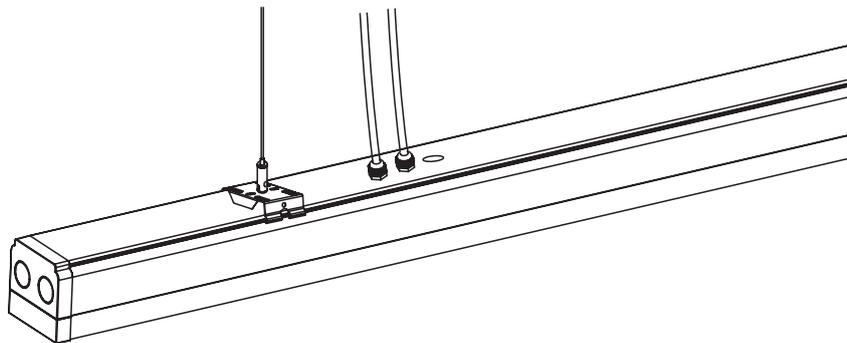


2-2. Join terminal block (CCLA-ITS) to male in the trunking rail.



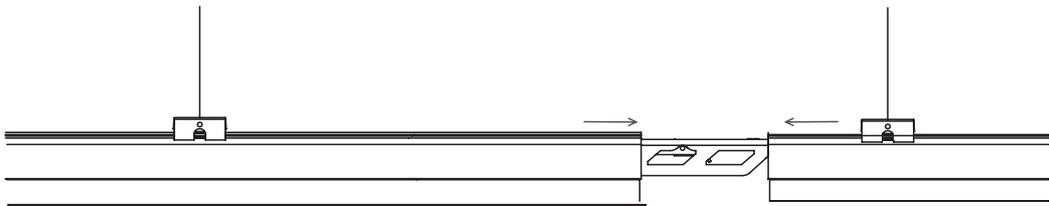
Note: "—" type feed-in node connector is optional to input wire easily. Input wire from the back of "—" type feed-in node connector on hand firstly, and then push it to the linear system directly.

2-3. Match the luminaire to the trunking rail and lock it.



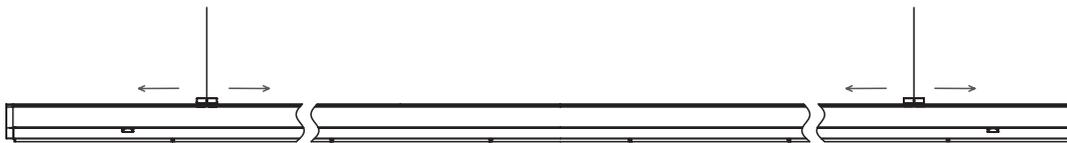
Step 3: Connection - Integrated Packing

3-1. Push 2 whole sets of linear system directly to connect.



Note: integrated packing means luminaire and trunking rail are packed in one carton.

3-2. Adjust the position of suspension kits according to your need.
The distance between two suspension kits is adjustable, 3m maximum.

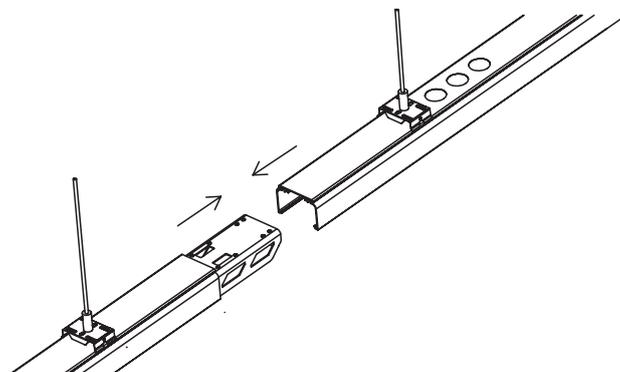


Optional Connection - Separated Packing

Separated packing means luminaire and trunking rail are packed in different carton.
Please follow this optional connection when the below situation happen.

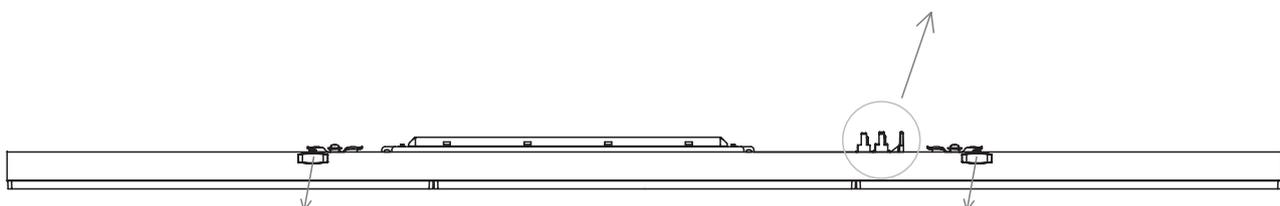
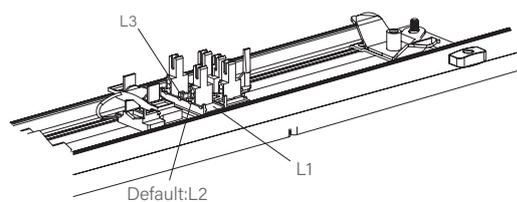
- You need to use L1, L2, L3 wire to control different linear light in 1 row connection.
L1, L2, L3 are optional live wires, L2 is defaulted. To control linear light separately in 1 row, please move the black pin (live wire) in the luminaire to connect corresponding L1, L2, L3 in the trunking rail.
- It is 3m or 4.5m trunking rail.

1. Push the trunking rail directly to connect.

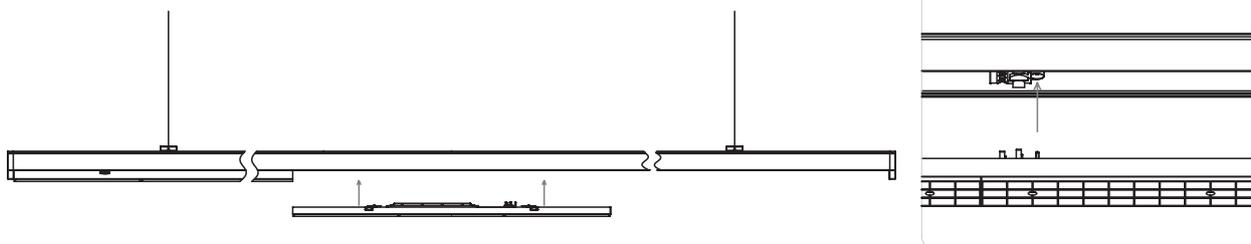


2. Pull out the lock bar of luminaire.

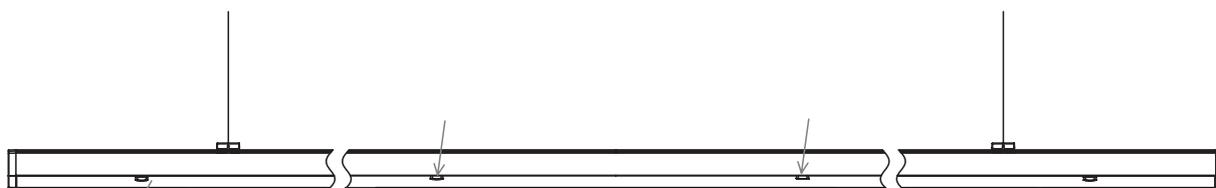
Note: moving black pin position to use optional live wire L1, L 2 or L3.



3. Match electronic connector in the luminaire to the socket in the trunking rail while locking.

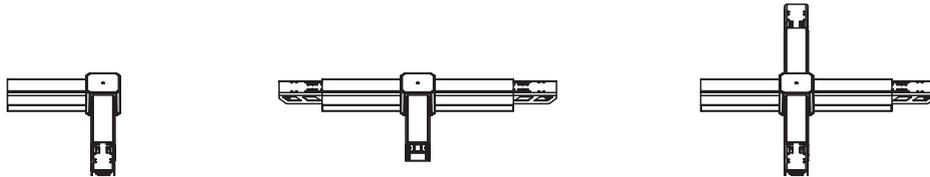


4. Push back the lock bar.

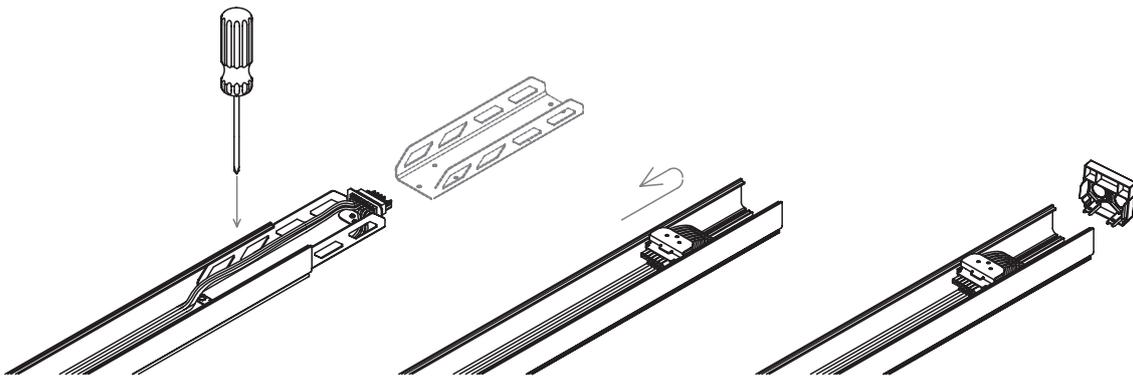


Step 4: Closing

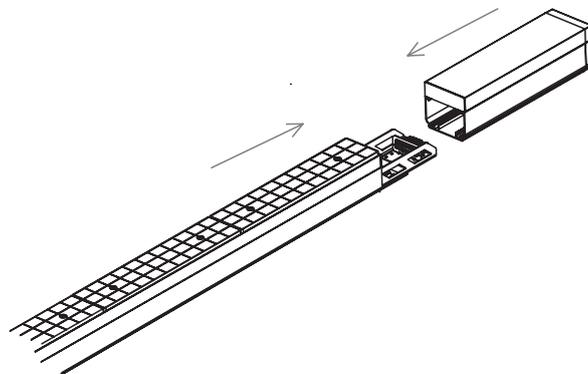
4-1. "L", "T", "X" Feed-in Node Connector are optional for connecting different direction. Push them to connect the linear system.



4-2. Remove connector in the trunking rail firstly, roll over wires back to the rail, screw end cap.



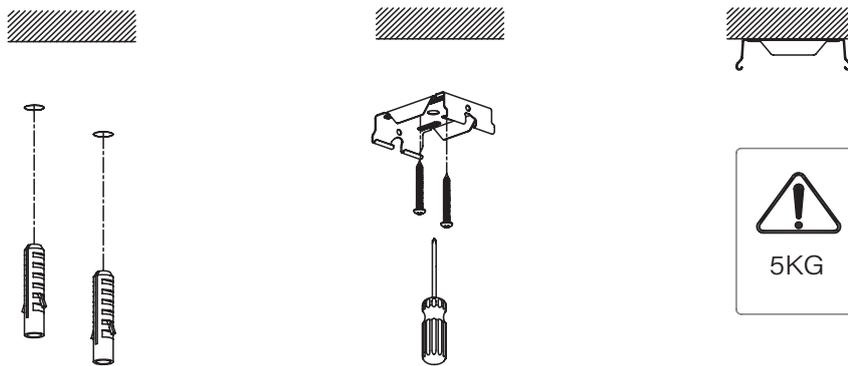
Note: Optional closing: "—" type end box is to make it easier to close the end of linear system. Push it to the trunking rail to cover the connector, no need to remove it.



Surface Mounted Installation Manual

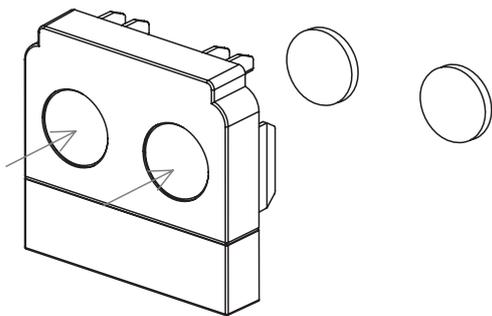
Step 1: Surface mounted

1-1. Install the surface mounted kits to the ceiling.



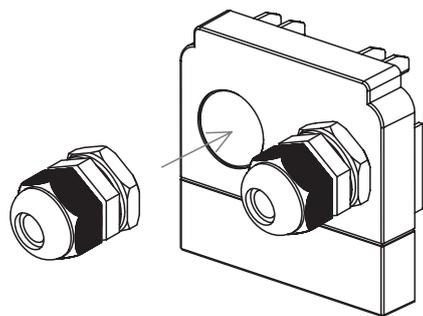
Note: The distance between two surface mounted kits is adjustable, 3m maximum.

1-2. Disassemble 1 piece linear system as the trunking rail and luminaire to wire input.
Tap out 1 or 2 holes with screw driver to input wires from end cap.

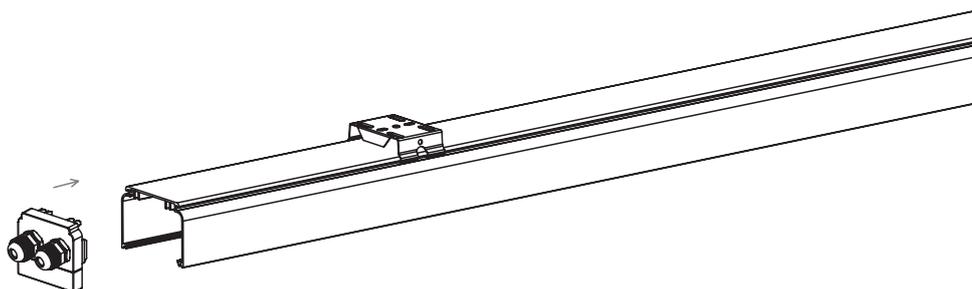


Note: 1 holes for 5 wires, 2 holes for 7/11 wires.

1-3. Screw the wire protector to the end cap.

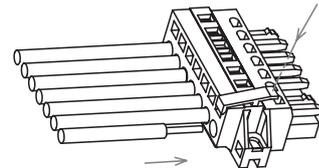
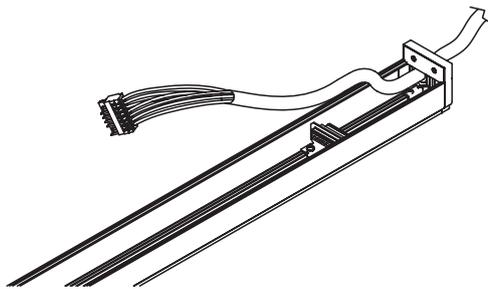


1-4. Screw the end cap which is closed to the wire input to the trunking rail.



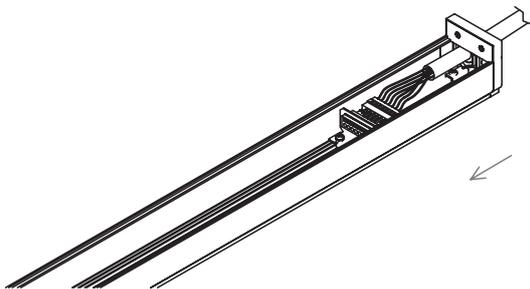
Step 2: Wire Input

2-1. Input cables to terminal block CCLA-ITM.



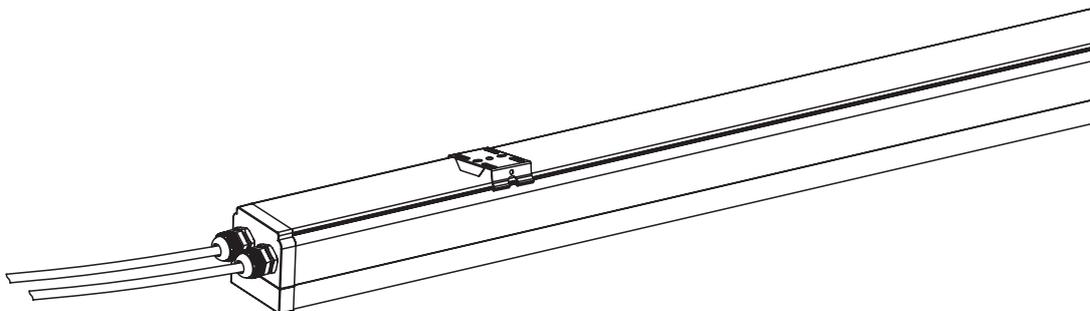
Note: Using wired tool to help to connect wires, please remove the tool after usage.

2-2. Join terminal block (CCLA-ITM) to male in the trunking rail.



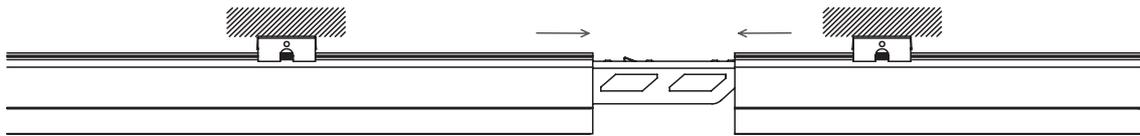
Note: "—" type feed-in node connector is optional to input wire easily. Input wire from the end cap of "—" type feed-in node connector on hand firstly, and then push it to the linear system directly.

2-2. Match the luminaire to the trunking rail and lock it.



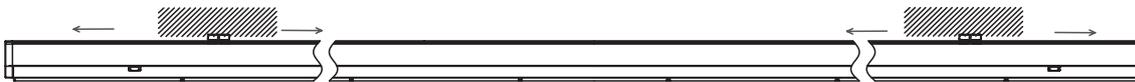
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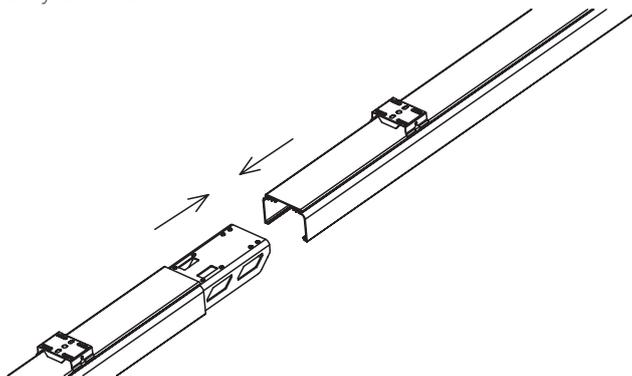


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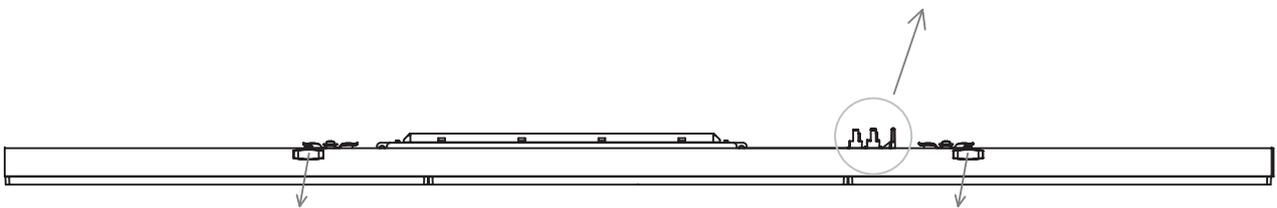
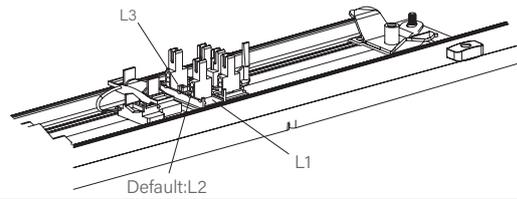
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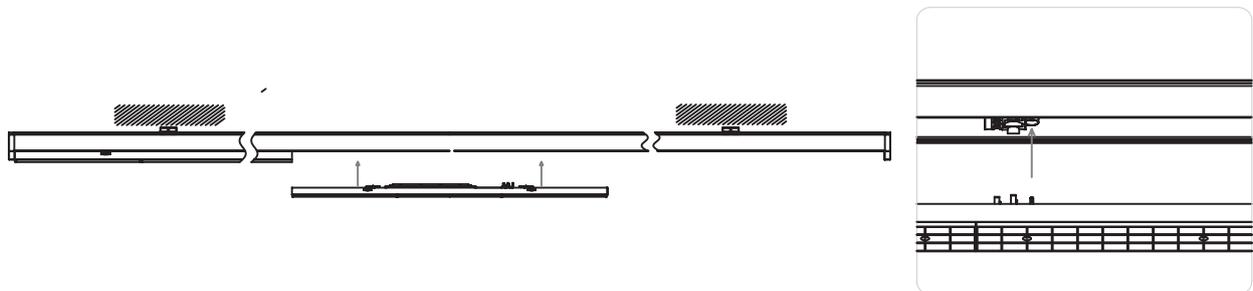


2. Pull out the lock bar of luminaire.

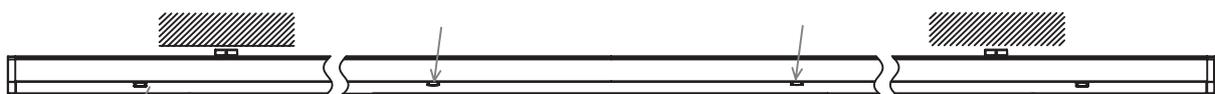
Note: moving black pin position to use optional live wire L1, L 2 or L3.



3. Match electronic connector in the luminaire to the socket in the trunking rail while locking.

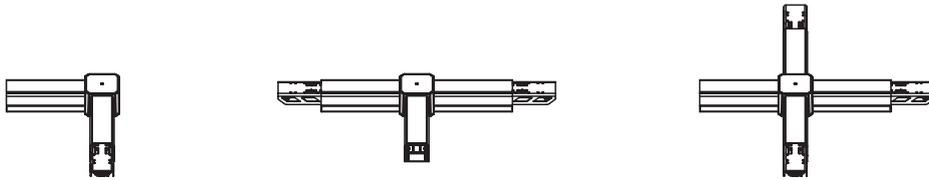


4. Push back the lock bar.

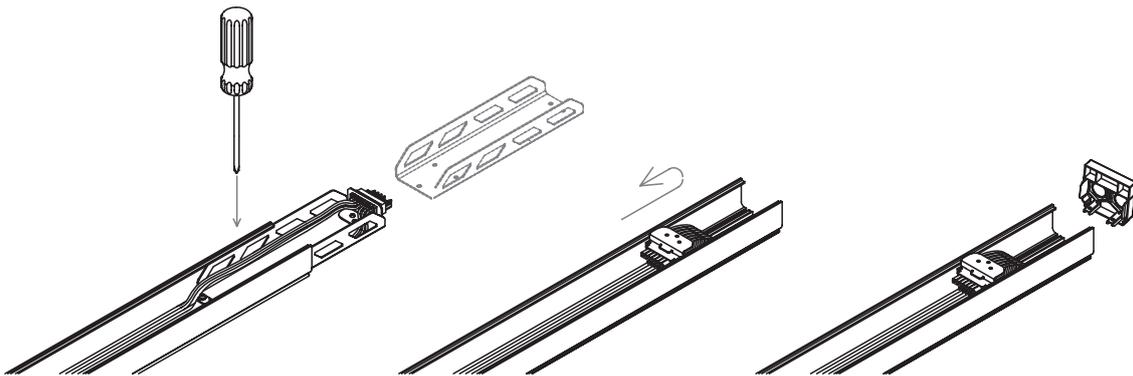


Step 4: Closing

4-1. "L", "T", "X" Feed-in Node Connector are optional for connecting different direction. Push them to connect the linear system.



4-2. Remove connector in the trunking rail firstly, roll over wires back to the rail, screw end cap.



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