

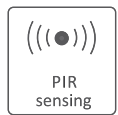


Signcomplex | light and smart



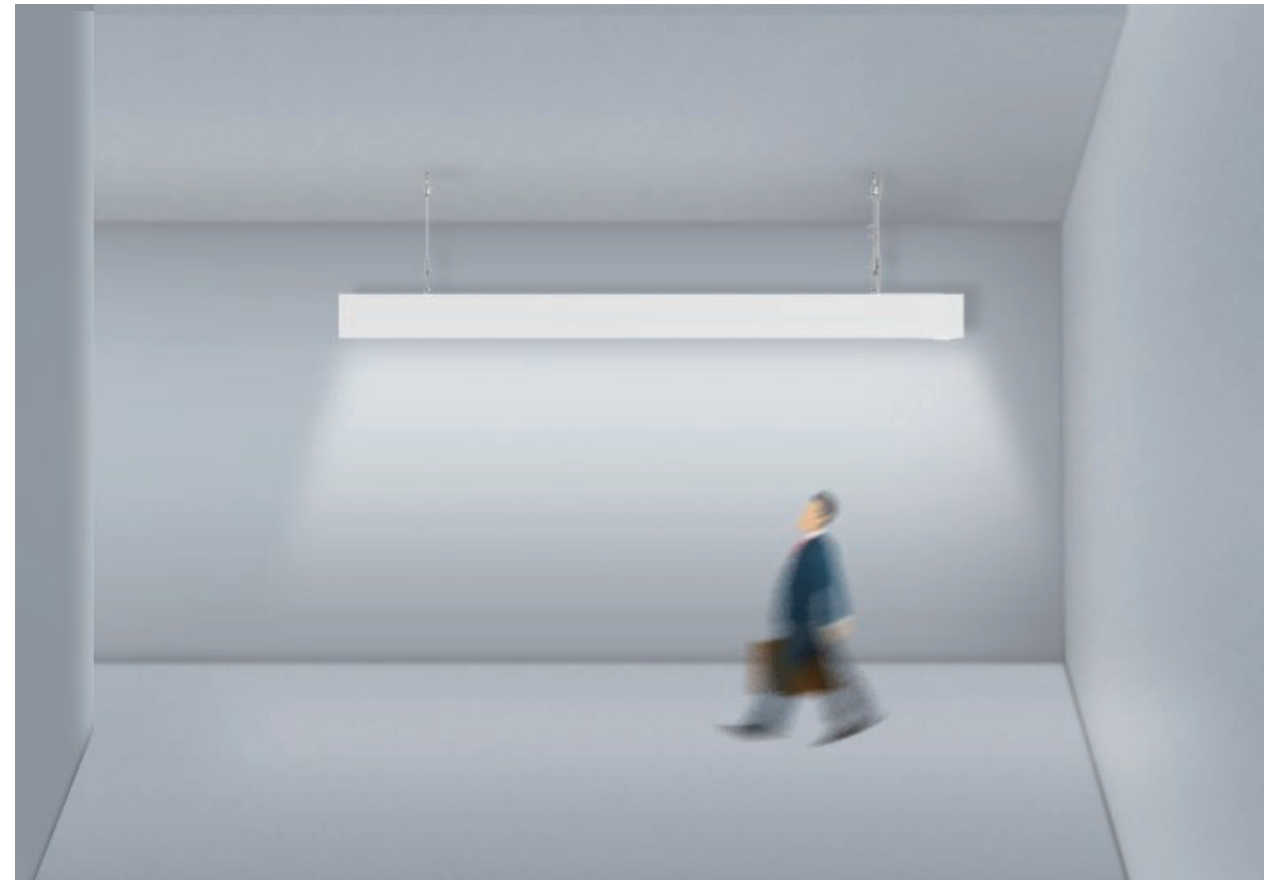
SL8050IF

# PIR Sensor Linear Light



# Description

Linear light with sensor, simple design, beautiful and generous. PIR human body sensing function can accurately sense human body temperature and action to prevent false triggering. With DAYLIGHT HARVESTING function, intelligently reduces power, energy saving.



## Feature

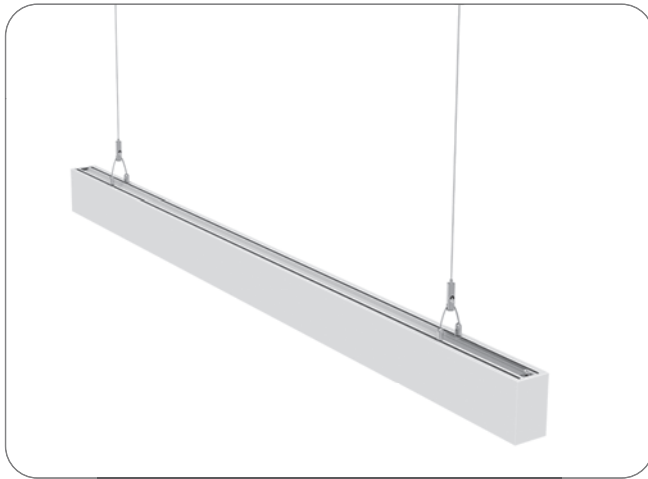
### PIR Sensor

PIR sensing, intelligently adjusts brightness,  
energy saving

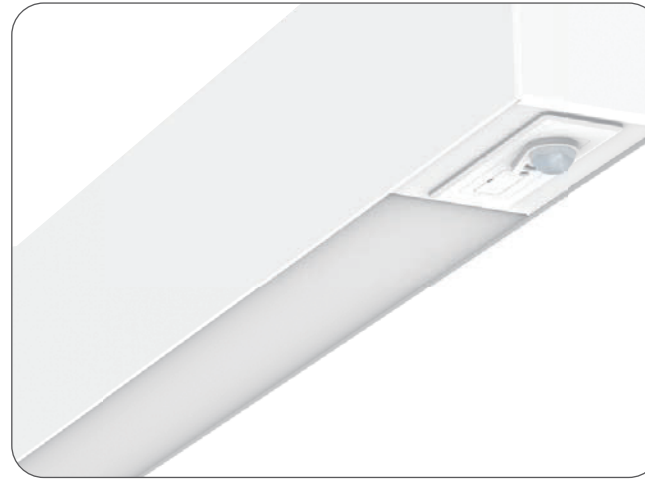


Well-designed and beautiful appearance

## Feature



Simple and modern design,  
screwless at end cap

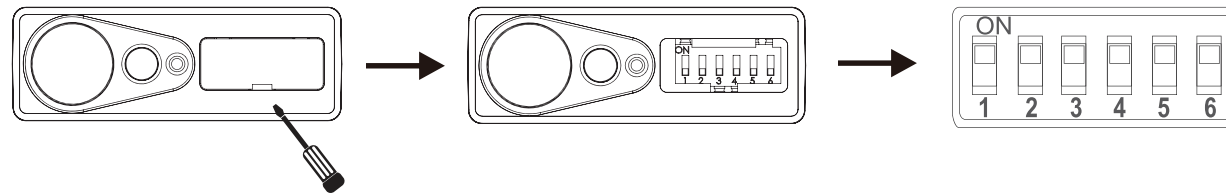


Extrusion aluminum lamp body  
and PC cover, anti-UV and  
anti-yellowing

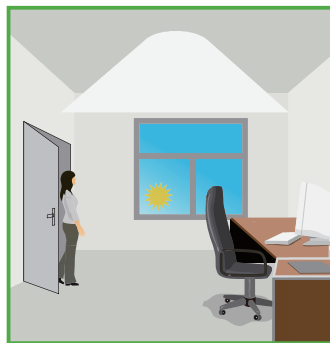


Smooth and soft lighting effect, no  
dark dot or shadow at the lighting  
area

## Function and options



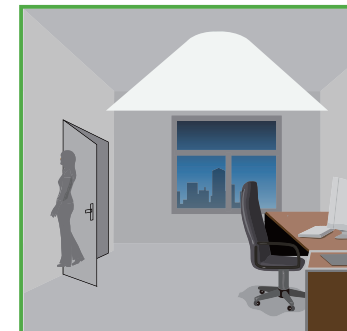
- ◆ 1, 2 set hold time
- ◆ 3, 4 set Task Light Level
- ◆ 5 set Enable/Disable DAYLIGHT HARVESTING
- ◆ 6 stand-by light level



The light will always switch ON automatically on detecting presence or manually with power switch (even without detecting presence) - When DAYLIGHT HARVESTING is enabled, the light output regulates between Task and Stand By levels according to the level of natural light available.



The light turns on at full or dims to maintain the lux level. The light output regulates according to the level of natural light available.



The light dims to "stand-by level" after hold time.



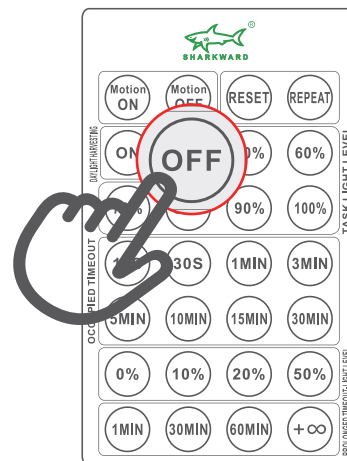
The light switches off completely after the stand-by period.

## DAYLIGHT HARVESTING

As the intensity of the ambient light is different, the sensor intelligently adjusts the output power to ensure the constant lux and achieve energy saving

Function usage:

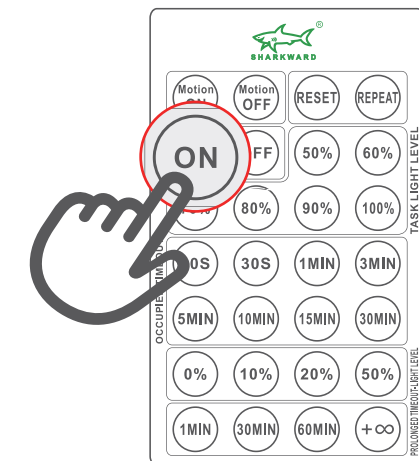
The setting environment is recommended to be carried out at night or without the influence of other light



1) Click "OFF" in the DAYLIGHT HARVESTING function key, this function is closed, to prevent the constant lux function that has been set before, causing interference to this setting



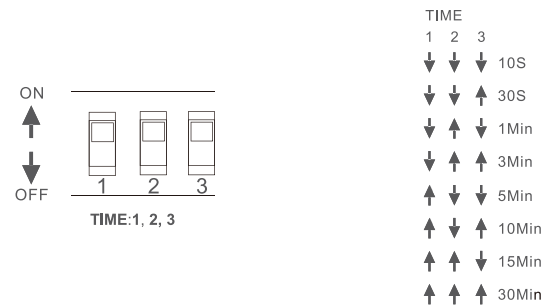
2) Take a lux meter and place it on the desktop or workbench to observe whether the current brightness of the lamp meets customer's needs. If not, 50%-100% lux can be set in the "TASK LIGHT LEVEL" button until it meets the customer's requirements



3) After brightness setting, click "ON" in the DAYLIGHT HARVESTING function key to open this function. The sensor will automatically recognize the lux of the current desktop or workbench, and the function setting is completed.

## Occupied Timeout Setting

The light can be set to stay on for any time between approx. 10sec and a maximum 30min. Any movement detected before this time elapses will re-start the timer.



## Stand-by Light Level Setting

The DIP switch to the on is "↑", The dip switch to the off is "↓"; The corresponding position of the DIP switch as below:



## Stand-by Time Setting

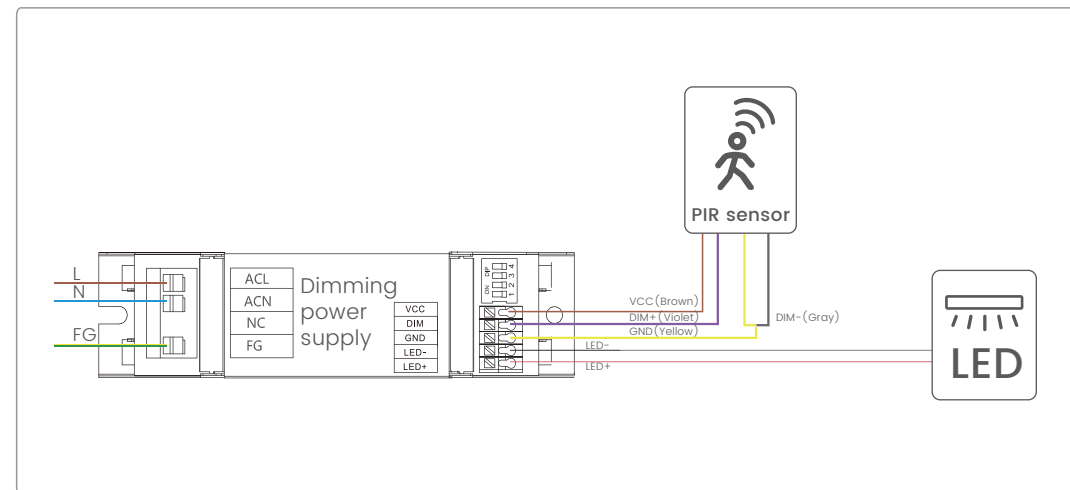
The position of DIP switch as below:



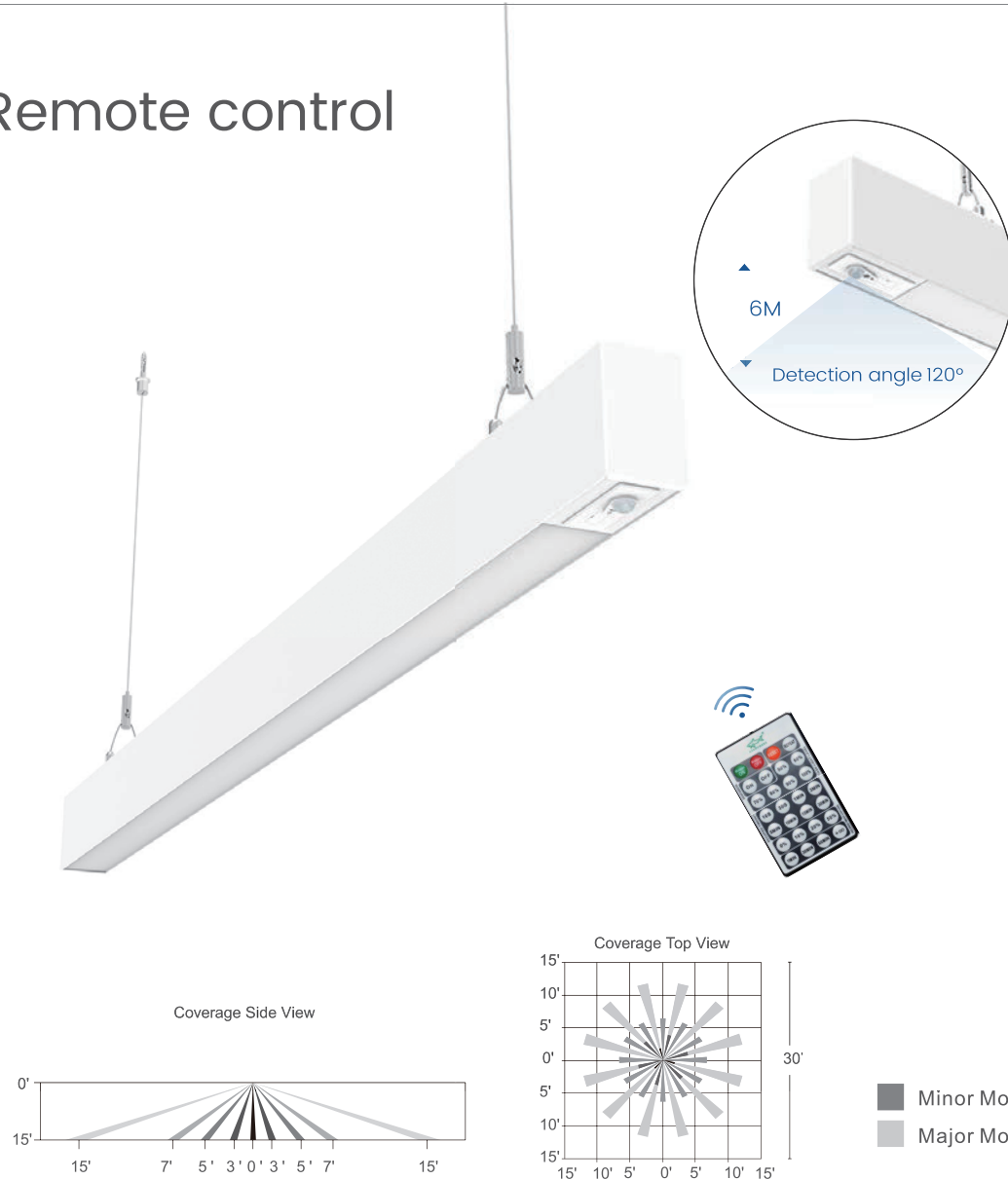
- Manually adjust the DIP switch so that the required light level is realized.
- Copy the position of the DIP switch to every.
- The Task light level set by DIP switch or remote control, the set parameters by last time set .

## Electrical Connection

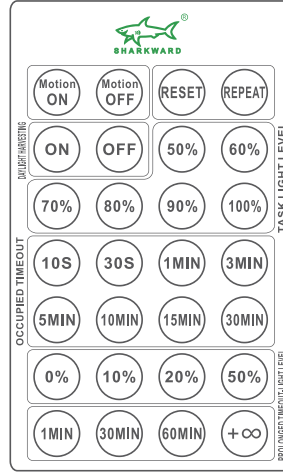










Sensor wiring with 10~ 28VDC wire dimming ballast or LED driver.



# Remote control



## DAYLIGHT HAVINGST FUNCTION SETTING BY REMOTE CONTROL RC-105.

|  |   |   |   |   |
|--|---|---|---|---|
|  |    | Press the "Motion ON" button, the motion function is opened.  |    | Press the "Motion OFF" button, the motion function is disabled. The luminaire is unaffected whether or not a moving signal is detected.                     |
|  |    | Press the "RESET" button, all parameters are restored to DIP switch setting.  |    | Press the "REPEAT" button, copy the parameters set by the remote control last time. Can be repeated "adhesive" to different lamps, set the same parameters. |
|  |    | Press the "ON" button, The DAYLIGHT HARVESTING is turned on.  |    | Press the "OFF" button, The daylight harvesting is turned off, that the light is not affected by ambient brightness, means DAYLIGHT HARVESTING is disable.  |
|  |   | Task light level, means set the indoor ambient brightness value. The light output regulates automatically according to the level of natural light available.                                    |   | Occupied timeout, the time that the sensor will turn off (if choose "LIGHT LEVEL" is 0%) or dim the light to a low level after the area is vacated          |
|  |  | LIGHT LEVEL, to set the output level of connected lighting during vacancy. The sensor will regulate the lighting output at the set level. Setting the "0%" means light full off during vacancy. |  | PROLONGED TIMEOUT, to represents the time that the sensor will keep the light at low dim level after the "OCCUPIED TIMEOUT" elapsed.                        |



## Application

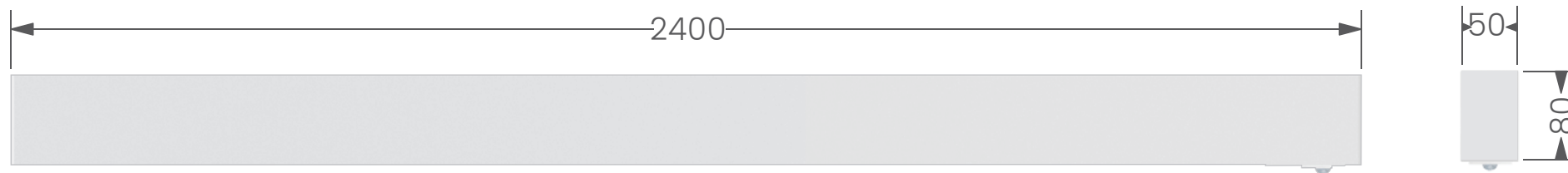
- ◆ Hotels
- ◆ Conference rooms
- ◆ Factories
- ◆ Offices
- ◆ Institution buildings
- ◆ Schools
- ◆ Hospitals
- ◆ Other places



## Parameter

| Type                    | CCT        | Lumens | Power | Beam angle | IP rating | Input voltage          | LED type | CRI | PF   |
|-------------------------|------------|--------|-------|------------|-----------|------------------------|----------|-----|------|
| SC-SL8050IF-036-AW-01WW | 6000-6500K | 3300LM | 36W   | 110°       | IP40      | 220-240VAC<br>/50/60HZ | 2835     | ≥80 | >0.9 |
| SC-SL8050IF-036-AW-01NW | 3800-4200K | 3600LM |       |            |           |                        |          |     |      |
| SC-SL8050IF-036-AW-01CW | 2800-3200K | 3500LM |       |            |           |                        |          |     |      |
| SC-SL8050IF-045-AW-01WW | 6000-6500K | 3780LM | 45W   |            |           |                        |          |     |      |
| SC-SL8050IF-045-AW-01NW | 3800-4200K | 3960LM |       |            |           |                        |          |     |      |
| SC-SL8050IF-045-AW-01CW | 2800-3200K | 3860LM |       |            |           |                        |          |     |      |
| SC-SL8050IF-060-AW-01WW | 6000-6500K | 4980LM | 60W   |            |           |                        |          |     |      |
| SC-SL8050IF-060-AW-01NW | 3800-4200K | 5280LM |       |            |           |                        |          |     |      |
| SC-SL8050IF-060-AW-01CW | 2800-3200K | 5180LM |       |            |           |                        |          |     |      |

## Dimensions (Unit: mm)

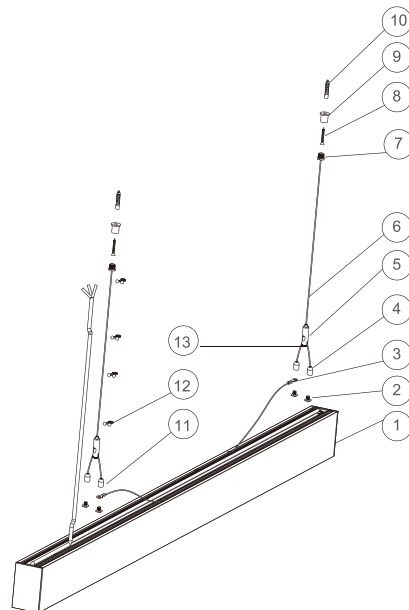


# How to fix

## Suspension installation

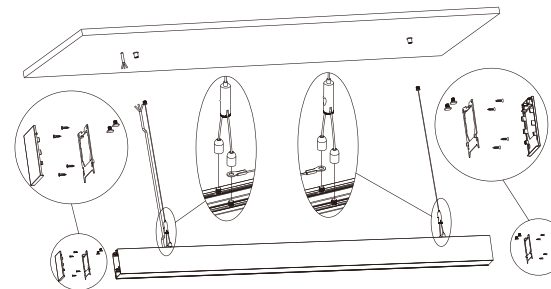
### Step1: Accessories

|                   |      |                      |      |
|-------------------|------|----------------------|------|
| 1. lamp body      | 1pcs | 2. square-head screw | 4pcs |
| 3. safety rope    | 2pcs | 4. fixing head 3     | 4pcs |
| 5. sewing machine | 2pcs | 6. suspendent rope   | 2pcs |
| 7. fixing head 1  | 2pcs | 8. 4X30PA screw      | 2pcs |
| 9. fixing head 2  | 2pcs | 10. rubber plug      | 2pcs |
| 11. fixing head 3 | 4pcs | 12. doubling clamp   | 4pcs |
| 13. screw         | 2pcs |                      |      |



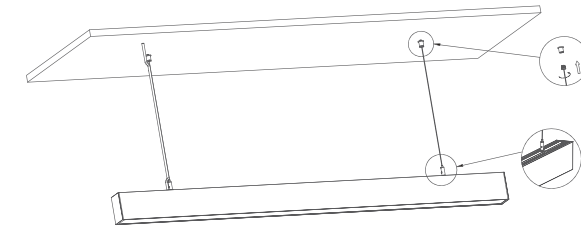
### Step2:

Drill hole in the ceiling, push the rubber plug into the ceiling, fix the fixing head 2 in the ceiling with 4X30PA screw.



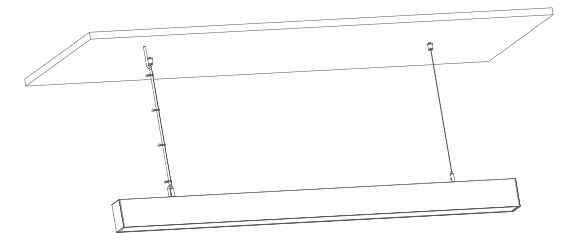
### Step3:

1. Dismantle the end cap, screws and fixing pieces of end cap on both ends of the lamp, then slide the square-head screw into the card slot of lamp, finally assemble the end cap, screws and fixing pieces of end cap back. If the square-head screw is already slid into the card slot of lamp, you can skip this step.
2. As shown on the diagram, put the safety rope onto the square-head screw, then tighten the fixing head 3 and square-head screw onto the lamp.



### Step4:

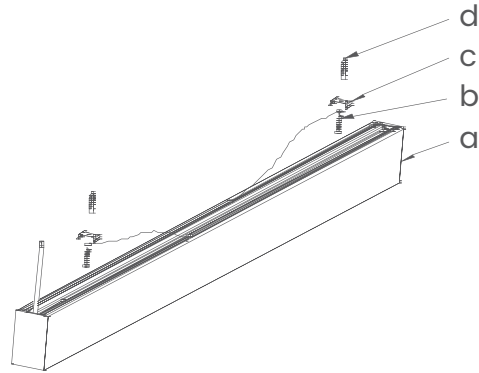
Suspension method on the left: thread the power wire through 8-figure buckle fixed on the left, then install the whole set of fixing clip on the lamp.



### Step5:

Fix the fixing head 1 with fixing head 2 tightly, and adjust suspension rope with sewing machine to balance the lamp, finally connect input wire of lamp.

## Ceiling installation



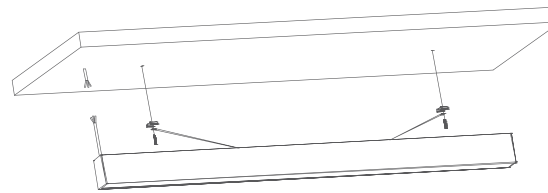
### Step1: Accessories

|    |           |      |    |              |      |    |      |      |    |             |      |
|----|-----------|------|----|--------------|------|----|------|------|----|-------------|------|
| a. | 8050 lamp | 1pcs | b. | 4*25PM screw | 2pcs | c. | clip | 2pcs | d. | rubber plug | 2pcs |
|----|-----------|------|----|--------------|------|----|------|------|----|-------------|------|



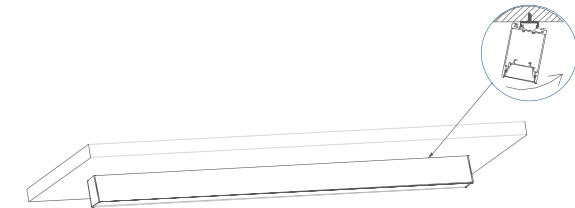
### Step2:

Drill hole in the ceiling, and push rubber plug into the hole.



### Step3:

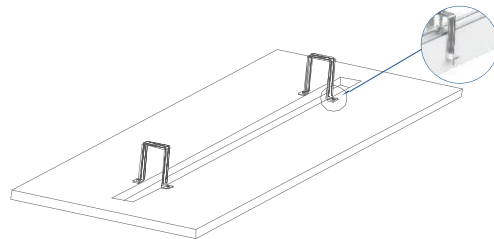
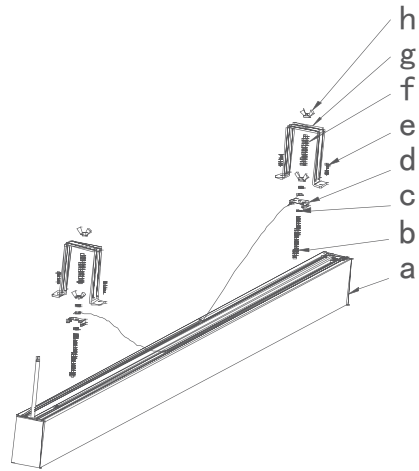
Thread 4X25PA screw through fixing hole of safety rope and clip, finally fix 4X25PA screw and rubber plug tightly.



### Step4:

Connect input wire of lamp and install the lamp on the clip.

## Embedded Installation

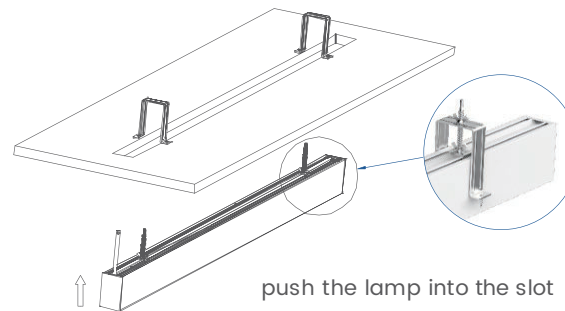


### Step2:

Slot in the ceiling, the slot dimension is L1205\*W51mm, and fix the embedding bracket with 3X20PA screws.

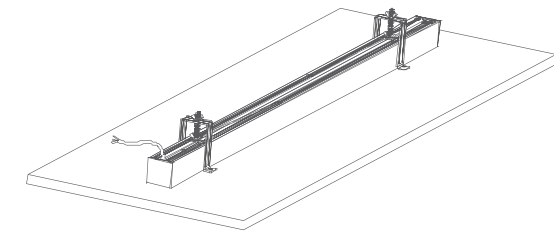
### Step1: Accessories

|                 |      |                 |      |                     |      |           |      |
|-----------------|------|-----------------|------|---------------------|------|-----------|------|
| a. 8050 lamp    | 1pcs | b. 4*70PM screw | 2pcs | c. gasket           | 4pcs | d. clip   | 2pcs |
| e. 3*20PA screw | 4pcs | f. spring       | 2pcs | g. embedded bracket | 2pcs | h. M4 nut | 4pcs |



### Step3.

Install and fix gasket, clip, safety rope according order in above figure with 4X70PM screws and M4 nut; install the spring on 4X70PM screw, then snap the whole set of fixing clips into the lamp, finally push the lamp into the slot.



### Step4:

Fix the lamp with M4 nut and 4X70PM screw, and adjust the M4 nut to align the lamp luminous face of the lamp with ceiling, finally connect the lamp with input wire.

## Product packaging information

| Model | Net weight /lamp | Gross weight / inner box | Inner box size | Carton size    | Suspension gross weight | Ceiling gross weight | PCS/ carton |
|-------|------------------|--------------------------|----------------|----------------|-------------------------|----------------------|-------------|
| 36W   | 2.30kg           | 2.62kg                   | 1274*130*106mm | 1288*404*230mm | 18.5kg                  | 18.9kg               | 6pcs        |
| 45W   | 2.80kg           | 3.18kg                   | 1552*130*110mm | 1566*404*238mm | 22.8kg                  | 23.5kg               | 6pcs        |
| 60W   | 4.20kg           | 5.06kg                   | 2448*130*110mm | 2462*274*238mm | 26.5kg                  | 27.0kg               | 4pcs        |

### Notice

- ◆ The max current consumption of our driver to 0-10V dimmer is 2 mA each one.
- ◆ Please read the specification first, to make sure the service environment matches the condition in the specification before using.
- ◆ Please confirm the applicable power supply before using.
- ◆ Make sure the switch of product is off before connecting to the power supply to prevent electric shock.
- ◆ Operation against rules may damage your property even harm to your personal safety.
- ◆ Preliminarily estimate required quantity of LED linear lights, then according to the power rating of single linear light to figure out the total power and design power supply plan.
- ◆ Dangerous high voltage, non-professionals are not allowed to maintain the products.
- ◆ If the exterior flexible cable or wire is damaged, it must be exchanged by the supplier, its agent or other similar qualified personnels to avoid dangers.