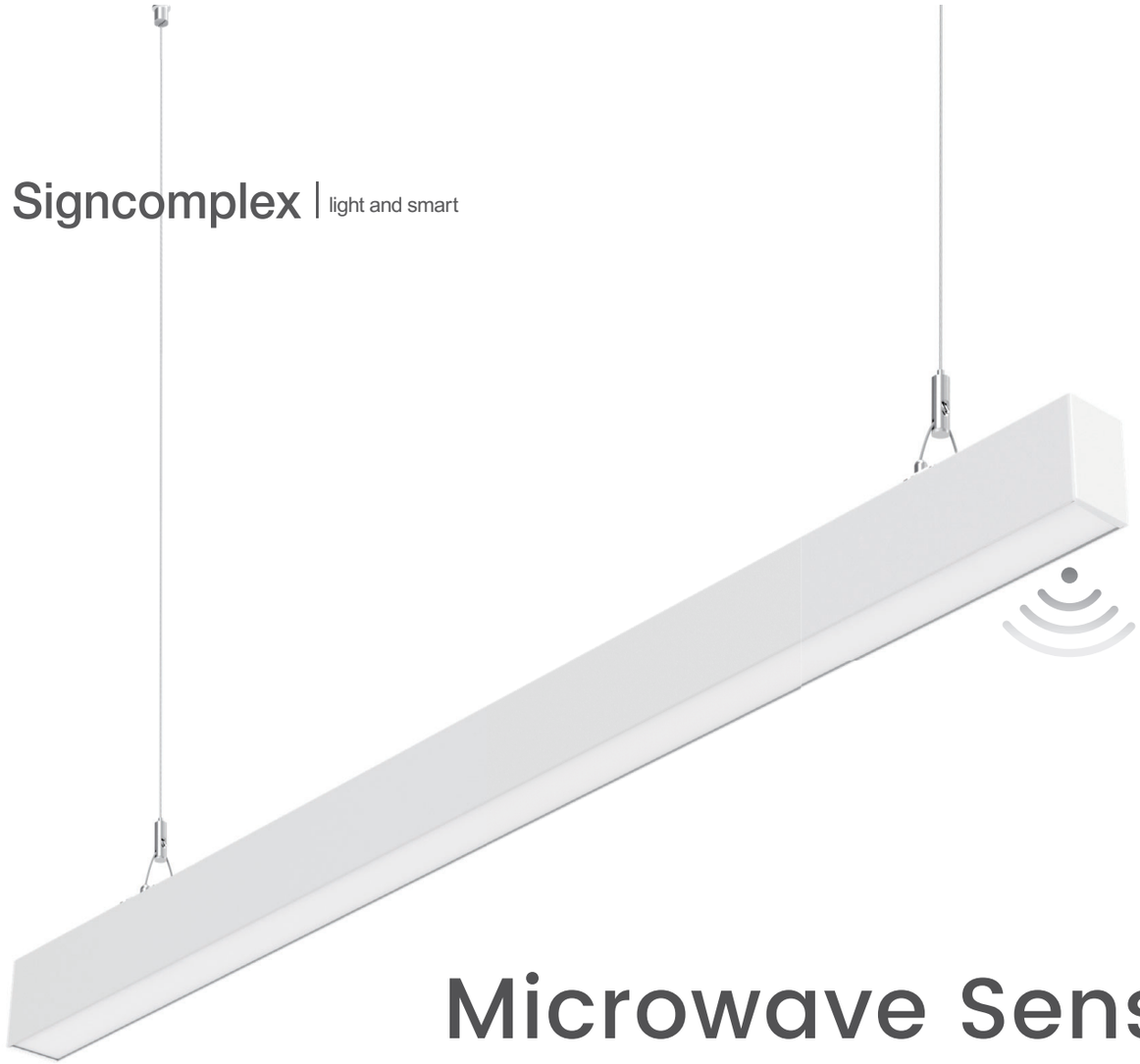
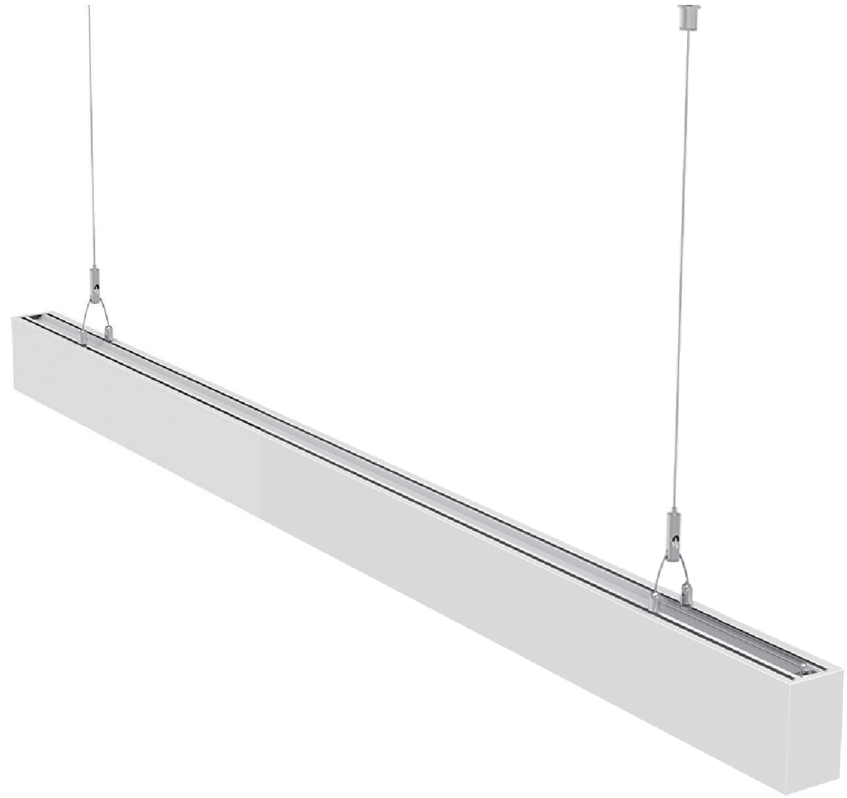
Signcomplex | light and smart





SL8050RD

Microwave Sensor Linear Light

CE | RoHS | Warranty 5years | CRI ≥80 | 0-10V Dimmers | Microwave sensing | Remote controller | PF >0.9 | Flicker-free

Description

Linear light with built-in microwave sensor, intelligent sensing and power saving. Simple and beautiful appearance, delicate and uniform light, strong functionality. It can not only play the role of lighting, but also beautify the whole space environment.

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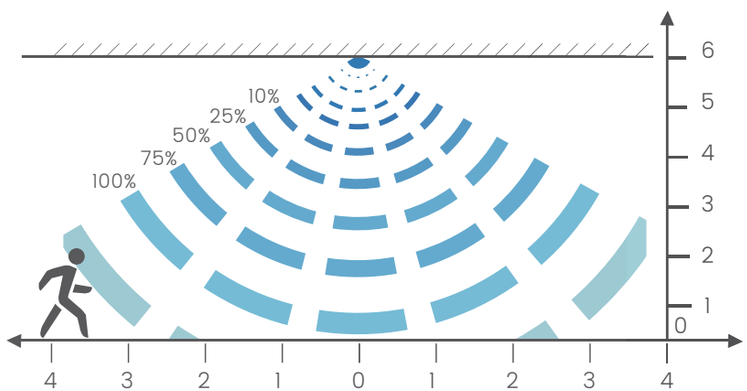
Feature

Microwave Sensor

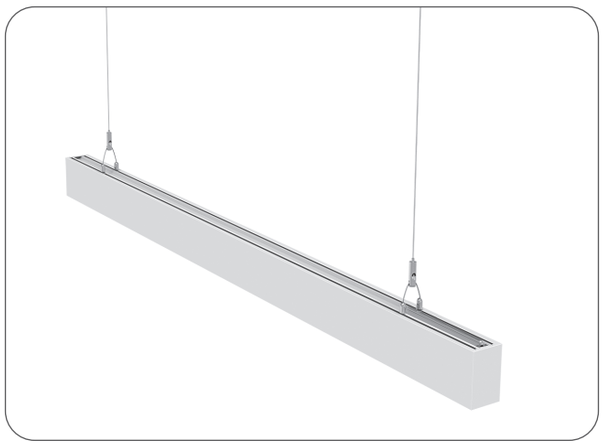
Microwave induction function, intelligently adjusts brightness, energy saving



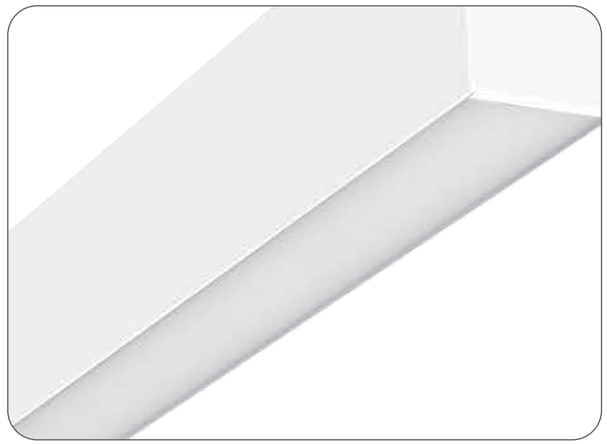
Remote upload range up to 15 m (50 ft.)

Built-in sensor,invisible from the outside, beautiful and generous

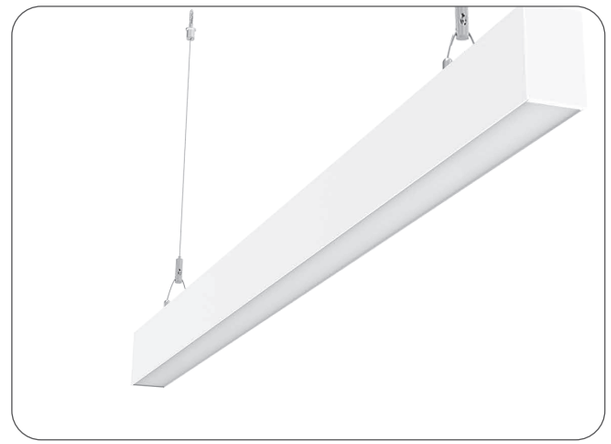
Feature



Simple and modern design, screwless at end cap



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



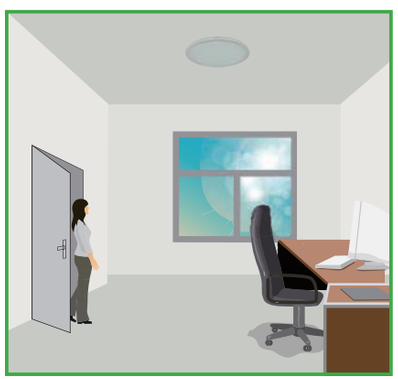
Smooth and soft lighting effect, no dark dot or shadow at the lighting area

Function and options

Microwave Sensor

- 1, 2 set sensitivity
- 3, 4 set hold time
- 5, 6 set the lux
- 7, 8 stand-by light level
- 9, 10 set stand-by time

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 10seconds, Daylight sensor is 30lux, Dimming level:30%, Dimming time: 60minitues.



With suffcient natural light, the light does not switch on when presence detected.

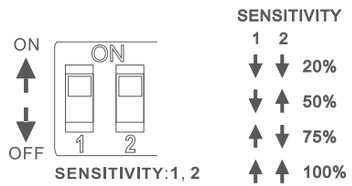
With insufficient natural light, the sensor switches on the light automatically when person enters the (options) standby level inside the room. The lamp never switch off with presence, even the nature light is sufficient.

People left, light still dims to 0/10%/30%/50% (options) standby level after the hold time.

Light switches off automatically after the dimming time elapsed.

Detection Range Setting (sensitivity)

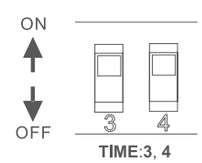
Detection range can be reduced by selecting the combination on the DIP switches to fit precisely each application:



SENSITIVITY 1	2	
↓	↓	20%
↓	↑	50%
↑	↓	75%
↑	↑	100%

Hold Time Setting

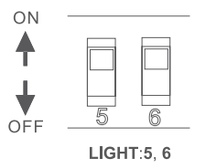
The lamp can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapses will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Switch location and hold time of the corresponding table is as follows:



TIME 3	4	
↓	↓	10S
↓	↑	1Min
↑	↓	5Min
↑	↑	15Min

Light-control Setting

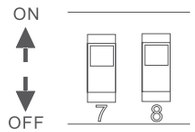
The chosen lamp response threshold can be infinitely from approx. 10-501ux, switch location and light-control of the corresponding table is as follows:



LIGHT 5	6	
↓	↓	☼ (light sensor disable)
↓	↑	10Lux
↑	↓	30Lux
↑	↑	50Lux

Stand-by Light Level Setting

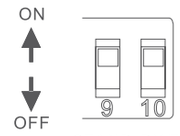
The corresponding file of switch location and stand-by level as follow:



STAND-BY LEVEL 7	8	
↓	↓	0%
↓	↑	10%
↑	↓	30%
↑	↑	50%

Stand-by Time Setting

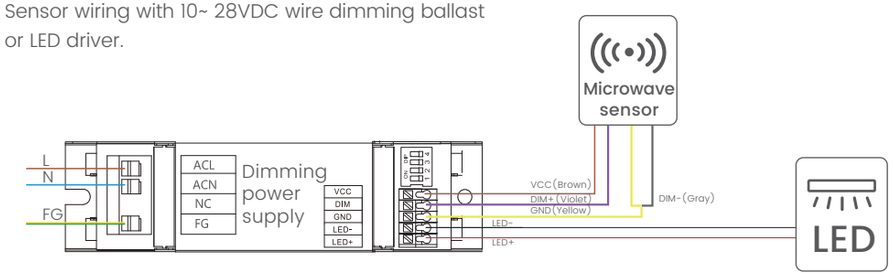
The corresponding file of switch location and stand-by time setting as follow:



STAND-BY TIME 9	10	
↓	↓	+∞
↓	↑	1Min
↑	↓	30Min
↑	↑	60Min

Electrical Connection

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



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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-SL8050RD-036-AW-01WW	2800-3200K	3300LM	36W	110°	IP40	220-240VAC /50/60HZ	2835	≥80	>0.9
SC-SL8050RD-036-AW-01NW	3800-4200K	3600LM							
SC-SL8050RD-036-AW-01CW	6000-6500K	3500LM							
SC-SL8050RD-045-AW-01WW	2800-3200K	3780LM	45W						
SC-SL8050RD-045-AW-01NW	3800-4200K	3960LM							
SC-SL8050RD-045-AW-01CW	6000-6500K	3860LM							
SC-SL8050RD-060-AW-01WW	2800-3200K	4980LM	60W						
SC-SL8050RD-060-AW-01NW	3800-4200K	5280LM							
SC-SL8050RD-060-AW-01CW	6000-6500K	5180LM							

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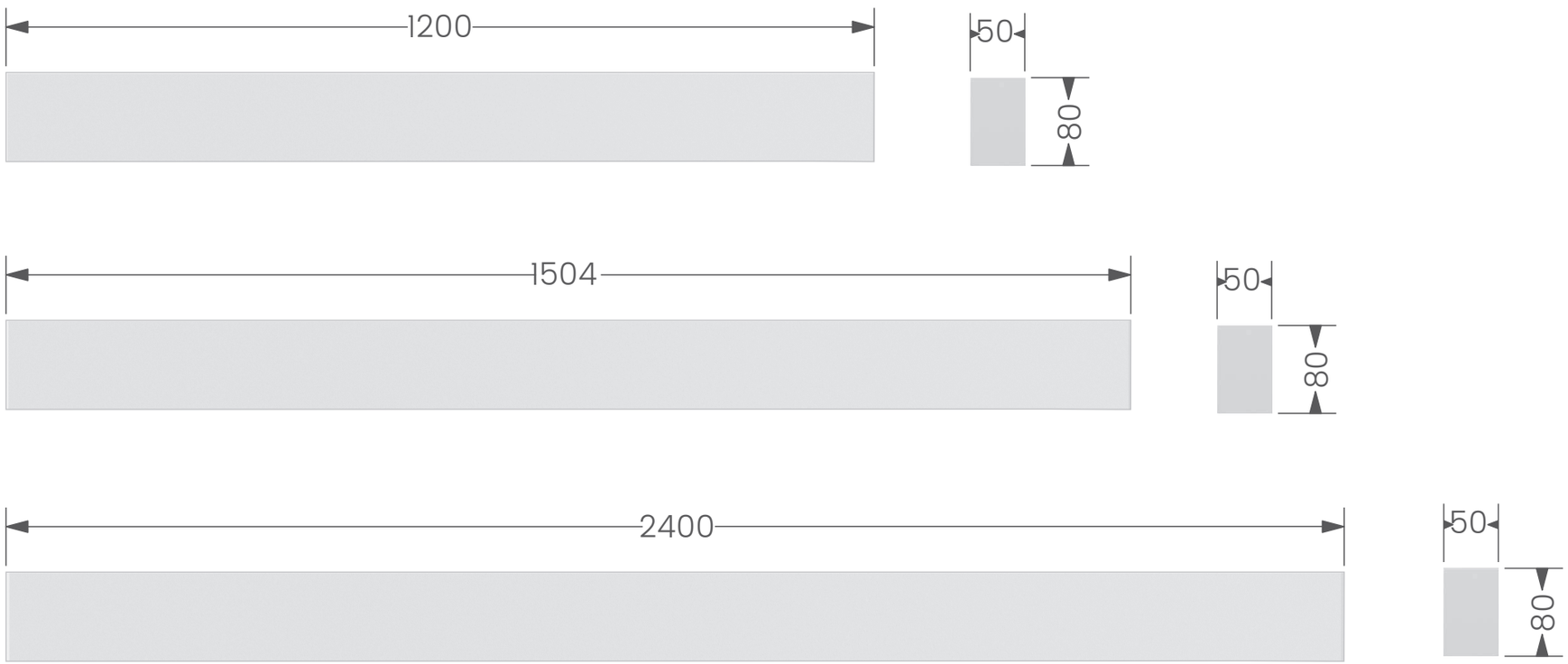
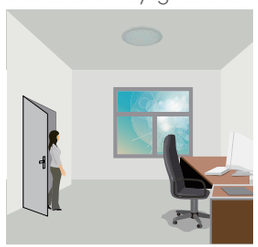
Dimensions (Unit: mm)



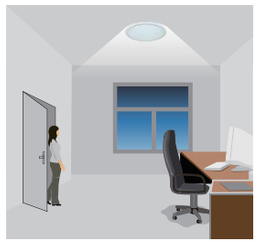
Motion-sensing Function

Corridor Function

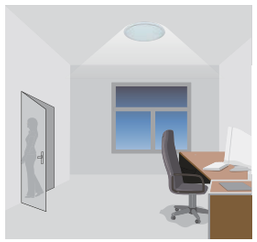
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%dimmed light(natural light is insufficient)-->off; And 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.

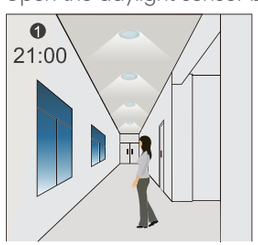
Light switches off automatically after the stand-by period elapses.

Corridor Function VS Daylight Sensor Function.

1. In corridor function, turn on the light MUST by natural light level lower daylight sensor setting and occupancy. In smart daylight sensor function, turn on the light by natural light level lower daylight setpoint to light on even if vacancy.
2. In corridor function, turn off light by stand-by time finish if vacancy. In smart daylight sensor function, turn off the light by natural light level higher than daylight setpoint to light off even if occupancy.
3. In smart daylight sensor function, natural light level lighter/lower than daylight setpoint to light off/on MUST keep at least 1mintue,that will turn off/on the light automatically.

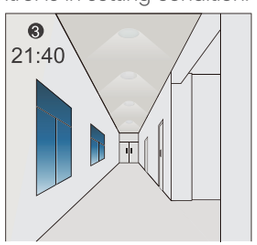
Daylight Sensor Function

Open the daylight sensor by pushing ⏻ when remote control is in setting condition.



The light switches on at 1 00% when there is movement detected.

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

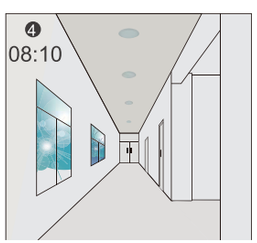


The light remains in dimming level at night.

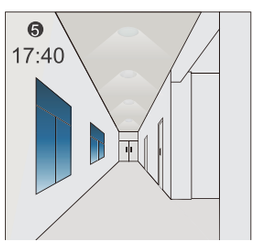
❶⇄❸ goes in cycle at night…

100% on when movement detected, and dims to 10% in long absence.

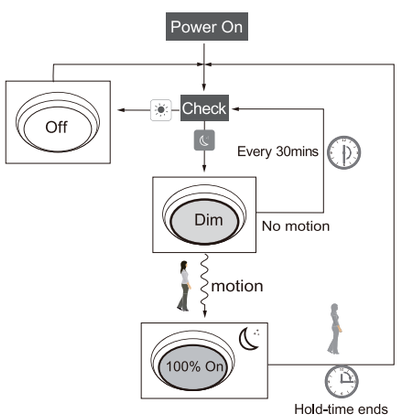
Settings on this demonstration:
Hold-time: 10min
Setpoint on: 50lux
Setpoint off: 300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)



When the natural light level exceeds setpoint off to light,the light will turn off even if when the space is occupied.



The light automatically turns on at 10% when natural light is insuffcient (no motion).



Remote control

REMOTE
With carrying case

LED	DESCRIPTION	LED	DESCRIPTION
BRIGHTNESS	High end trim turning function(To set the output level of connected lighting during occupancy)		To select the current surrounding lux value as the daylight threshold. This feature enables the fixture to function well in any real application circumstances.
SENSITIVITY	To set the occupancy sensing sensitivity of the Sensor		The daylight sensor stops working, and all motion detected could turn on the lighting fixture, no matter how bright the natural light is.
HOLD TIME	The time that the Sensor will turn off(if you choose stand-by level is 0) or dim the light to a low level after the area is vacated	STAND-BY DIM	To set the output level of connected lighting during vacancy. The sensor will regulate the lighting output at the set level. Setting the STAND-BY DIM level at 0 means light full off duringvacancy.

BUTTON	DESCRIPTION	BUTTON	DESCRIPTION
DAYLIGHT SENSOR	To represents various thresholds of natural light level for the Sensor .	STAND-BY TIME	To represents the time that the Sensor will keep the light at low dim level after the HOLD TIME elapsed.
ON/ OFF	Press the ON/ OFF button, the light goes to permanent on or permanent off mode, and the sensor is disabled. (MUST press AUTO button to quit this mode for Setting.	AUTO	Press AUTO button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off.
DISP	Display the current/lastest setting parameters in LED indicators(the LED indicators will on for showing the setting parameters).	TEST 2s	The button TEST 2s is for testing purpose sensitivity only. after you choose sensitivity thresholds, then you press TEST 2s button, The sensor goes to test mode(hold time is only 2s) automatically ,meanwhile the stand-by period and daylight sensor are disabled. Press AUTO button to quit from this mode.
RESET	Press RESET button, all settings go back to settings of dip Switch in sensor.		
▲ ▼	Enter in the setting condition, the parameter LEDs of remote control will flash to be selected. And Navigate to UP and Down for choose selected parameters in LED indicators.	◀ ▶	Navigate to LEFT and RIGHT for choose selected parameters in LED indicators.
OK	Confirm the selected parameters selected parameters in remote control.	⎍	Open and close smart daylight Sensor. Press ▲ or ▼ Enter in the setting condition, the parameter leds of remote control will flash to be selected. Press ⎍ for open or close smart daylight Sensor.
SEND	Press SEND button, upload the current parameters to sensor(s), the LED light which the sensor connects will on/off as confirm.		
MODE1 MODE2 MODE3 MODE4	4 Scene modes with preset parameters which are available to be changed and saved in modes.		

SETTING

The SETTING Content contains all available settings and parameters for remote sensors. It allows you to change the available control, parameters, and operation of the sensor from factory default or current parameters.

Change multiple settings of sensor(s)

1.Press (DISP) button, the remote control LEDs will show the latest parameters you set.

NOTE: if you push (ON/OFF) button before, you must push (AUTO) button to unlock the sensor.

2.Press (▲) or (▼) enter in the setting condition, the parameter LEDs of remote control will flash to be selected, navigate to the desired setting by pressing (▲)(▼)(◀)(▶) to select the new parameters.

3.Press ok to confirm all setting and saving.

4.Aim at the target sensor and press to upload the new parameter, the LED light which the sensor connects will on/off as confirm.

NOTE: the setting works key step is by Push (▲) or (▼), enter in the setting condition.

NOTE: the LED light which the sensor connects will on/off after getting the new parameter as confirm.

NOTE: If you press (DISP) button, the remote LED indicators will show the latest parameters which were sent.

Change multiple setting of sensors with smart photocell sensor Open

1.Press (DISP), the remote LED indicators will show the latest parameters.

2.Press (▲) or (▼) enter in the setting condition, the parameter LED indicators of remote control will flash to be selected.

3.Press (⎍),2 LED indicators will flash in daylight sensor settings ,select daylight (10) (30) (50) as setpoint to light on Automatically , select daylight (100) (300) (500) as setpoint to light off Automatically.

4.Press (OK) to confirm all setting and saving.

5.Aim at the target sensor and press (SEND) to upload the new parameter. The LED light which the sensor connects will on/off.

NOTE: (⎍) is disabled by default.

1.Open or close the smart daylight sensor by pushing (⎍) when remote control is in setting condition.

2.When the smart daylight sensor open, 2 LED indicators are flash in daylight sensor setting select daylight (10) (30) (50) as setpoint to light on Automatically , select daylight (100) (300) (500) as setpoint to light off automatically.When smart daylight sensor close, 1LED indicator is flash in the daylight sensor setting for choose daylight sensor threshold.

3.When the smart daylight sensor open, the stand-by time is only (+∞) .

4.Smart daylight sensor takes place of normal photocell senor and works independently.

5.See **Daylight Sensor Function**.

About RESET and MODE(1,2,3,4)

The remote control comes with 4 Scene MODES which are not default. You may make desired parameters and save as the new MODE(1,2,3,4) to configure the installed sensors.

RESET: all settings go back to settings of DIP Switch in sensor.

SCENE MODES(1 2 3 4)

Application	Scene Options	Brightness	Detection Area	Hold Time	Stand-by Time	Stand-by Dim Level	Daylight Sensor
Indoor	Mode 1	100%	75%	5min	30min	30%	☼
Indoor	Mode 2	100%	75%	1min	+∞	30%	☼
Indoor	Mode 3	100%	75%	5min	30min	30%	30LUX
Outdoor	Mode 4	100%	75%	1min	+∞	30%	(⎍) (30LUX/300LUX)

Change the MODES:

1.press (MODE1) /(MODE2) /(MODE3) /(MODE4) button,the remote control LED indicators show existing parameters.

2.press (▲)(▼)(◀)(▶) to select the new parameters.

3.Press (OK) to confirm all parameters and saving in the mode.

UPLOAD

The upload function allows you to configure the sensor with all parameters in one operation. You may select CURRENT SETTING parameters or the MODE for uploading. Current setting parameters or the MODE are displayed in Remote control .

Upload the current parameters to sensor(s),and duplicate the sensor parameters form one to anther

1.Press (DISP) button or press (MODE1)/ (MODE2)/ (MODE3)/ (MODE4), all parameters are displayed in Remote control.

Note: check if all parameters are correct , if not, change them.

2.Aim at the sensor and press (SEND) button , the light that sensor connects will be on/off as confirm.

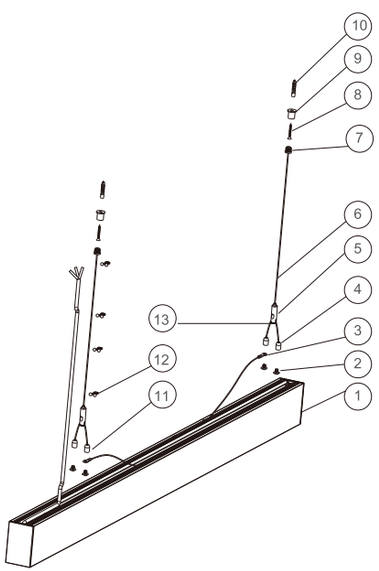
Note: if other sensor need the same parameters, just aim at the sensor and press (SEND) button.

How to fix

Suspension installation

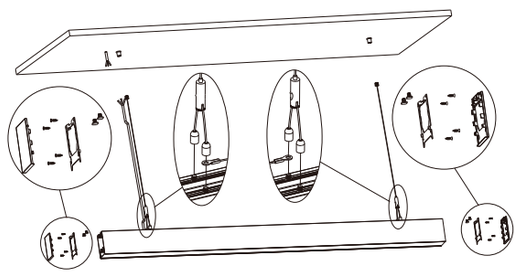
Step1: Accessories

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		



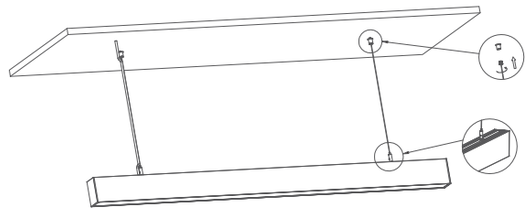
Step2:

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



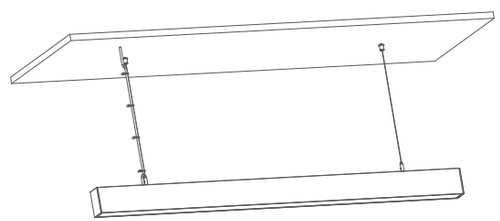
Step3:

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:

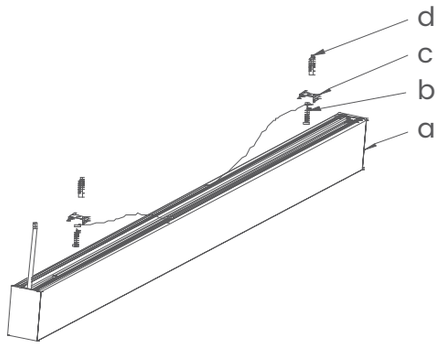
Suspension method on the left: thread the power wire through 8-figure buckle fixed on the left, then install the whole set of fixing clip on the lamp.



Step5:

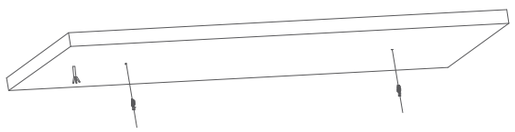
Fix the fixing head 1 with fixing head 2 tightly, and adjust suspension rope with sewing machine to balance the lamp, finally connnect input wire of lamp;

Ceiling installation

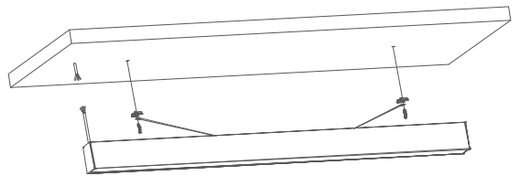


Step1: Accessories

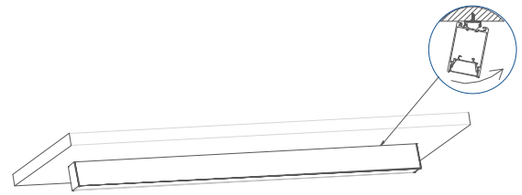
a. 8050 lamp 1pcs	b. 4*25PM screw 2pcs	c. clip 2pcs	d. rubber plug 2pcs



Step2:
Drill hole in the ceiling, and push rubber plug into the hole.

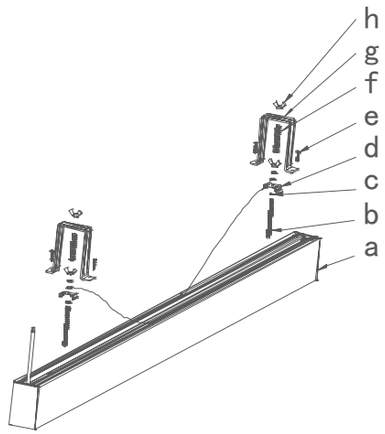


Step3:
Thread 4X25PA screw through fixing hole of safety rope and clip, finally fix 4X25PA screw and rubber plug tightly.



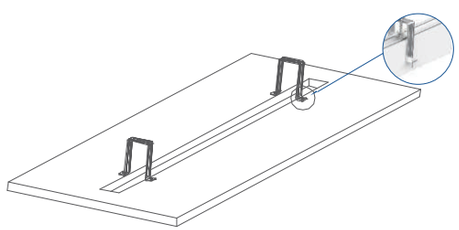
Step4:
Connect input wire of lamp and install the lamp on the clip.

Embedded Installation

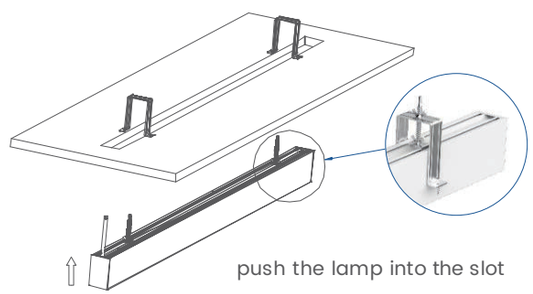


Step1: Accessories

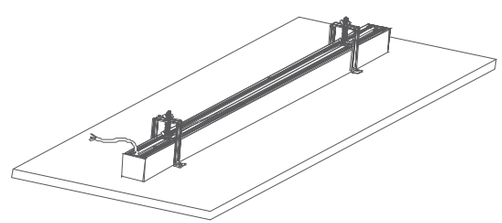
a. 8050 lamp 1pcs	b. 4*70PM screw 2pcs	c. gasket 4pcs	d. clip 2pcs
e. 3*20PA screw 4pcs	f. spring 2pcs	g. embedded bracket 2pcs	h. M4 nut 4pcs



Step2:
Slot in the ceiling, the slot dimension is L1205*W51mm, and fix the embedding bracket with3X20PA screws.



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.