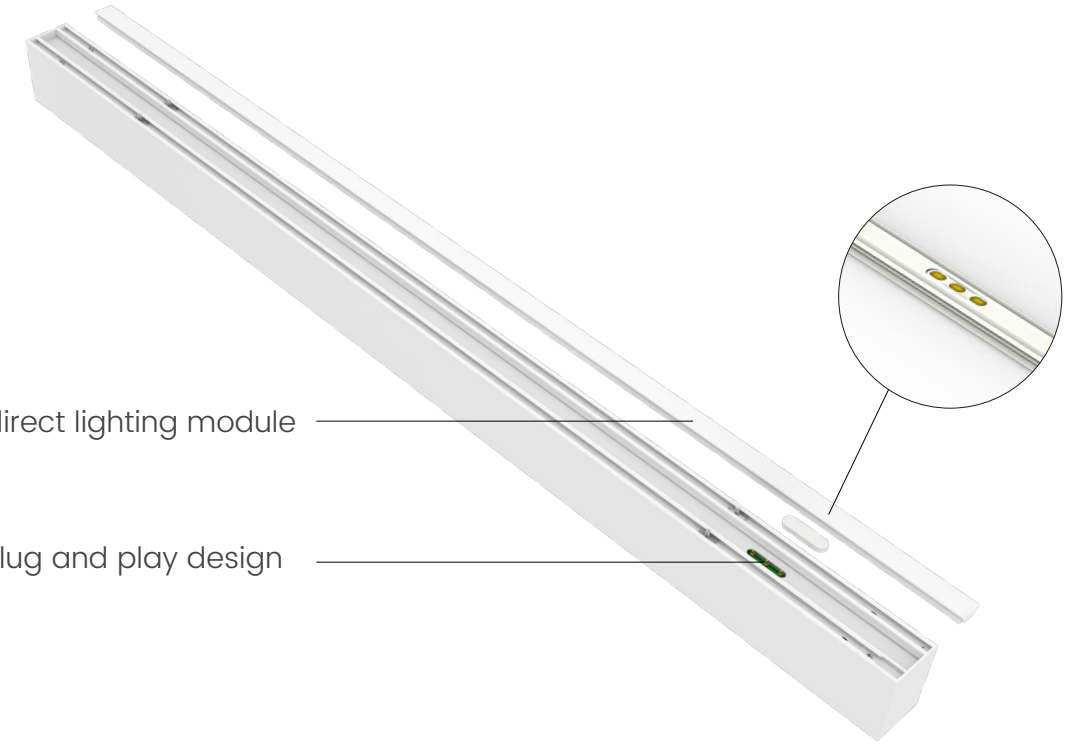
Signcomplex | light and smart



8055 microwave sensor linear light with direct/indirect lighting

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

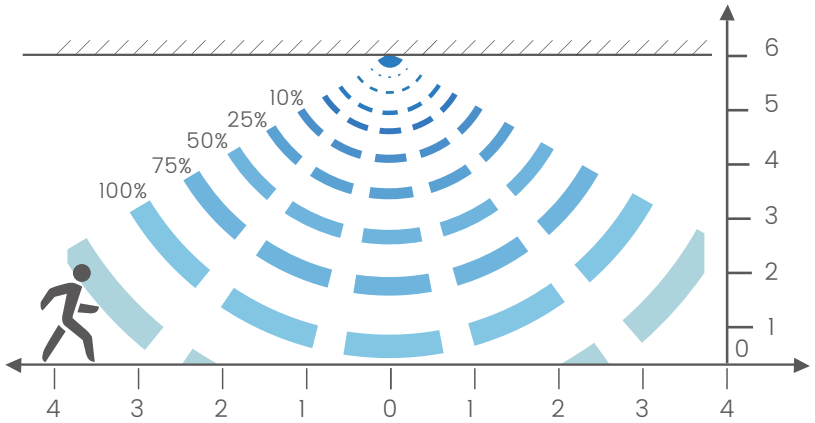
Description

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.

Feature

Microwave Sensor

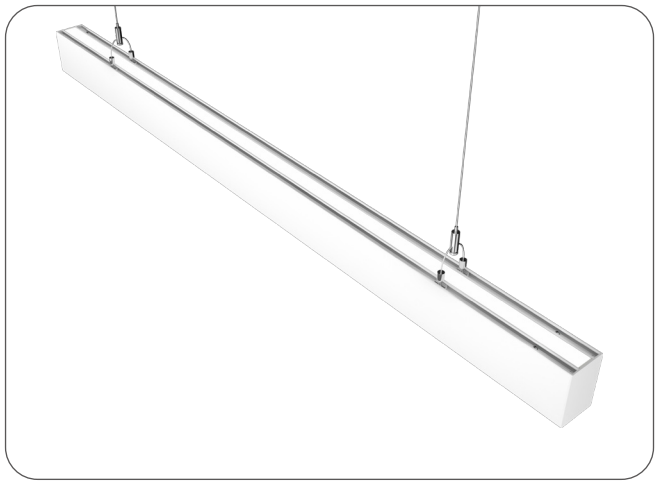
Microwave induction function, intelligently adjusts brightness, energy saving



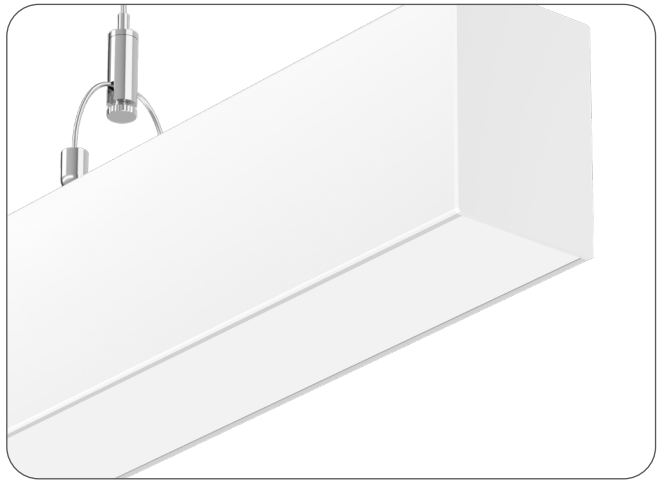
Remote upload range up to 15 m (50 ft.)

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

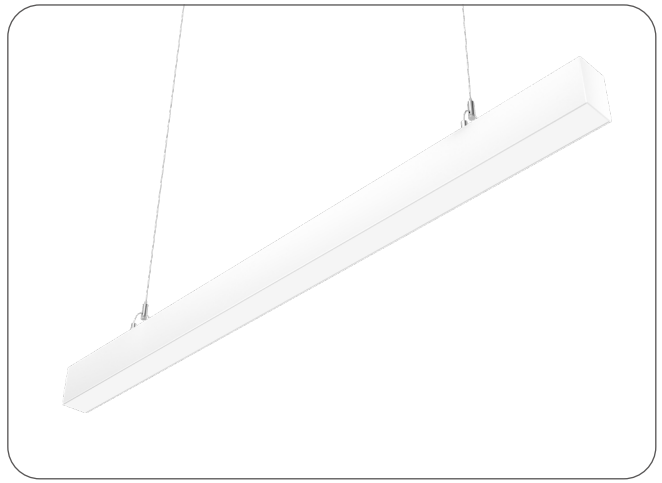
Feature



Simple and modern design, screwless at end cap



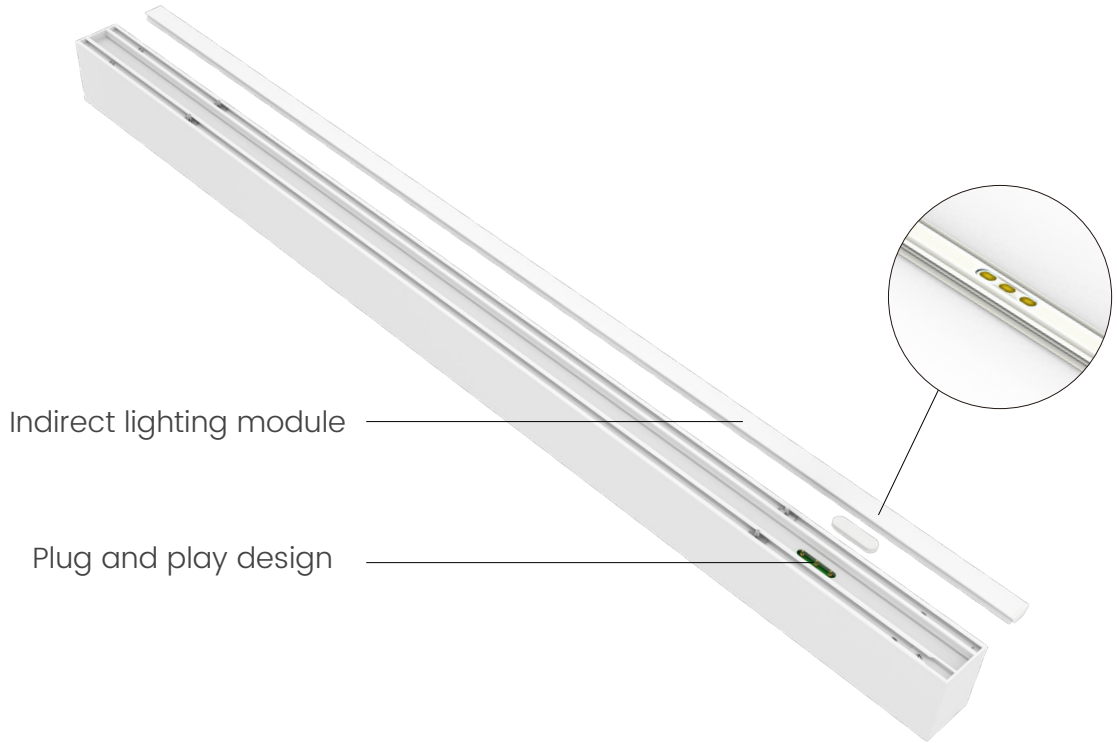
Extrusion aluminum lamp body and PC cover, anti-UV and anti-yellowing



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

Feature

The product has two types: direct lighting and direct/indirect lighting.
The indirect lighting module is an integrated design with a quick coupling structure,
which can be used as accessories for delivery, and customers can choose to install/purchase.

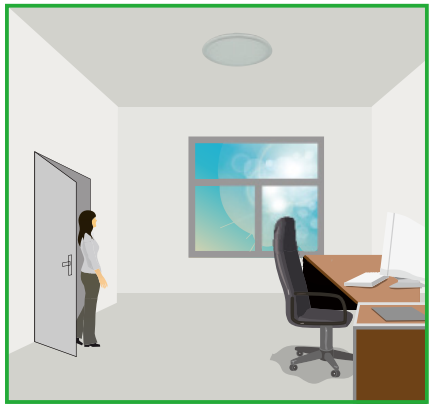


Function and options

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.

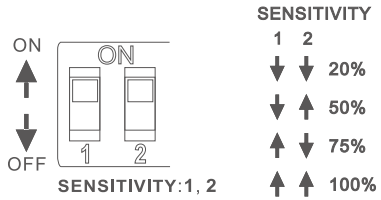
With insufficient natural light, the sensor switches on the light automatically when person enters the (options) standby level inside the room. The lamp never switch off with presence, even the nature light is sufficient.

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)

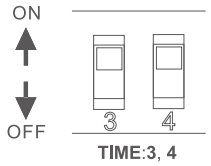
Detection range can be reduced by selecting the combination on the DIP switches to fit precisely each application:



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

Hold Time Setting

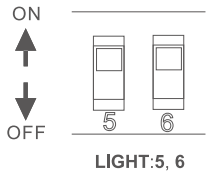
The lamp can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapses will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.
Switch location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



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

Light-control Setting

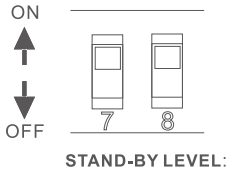
The chosen lamp response threshold can be infinitely from approx. 10-501ux, switch location and light-control of the corresponding table is as follows:



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

Stand-by Light Level Setting

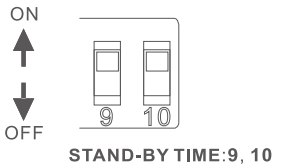
The corresponding file of switch location and stand-by level as follow:



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

Stand-by Time Setting

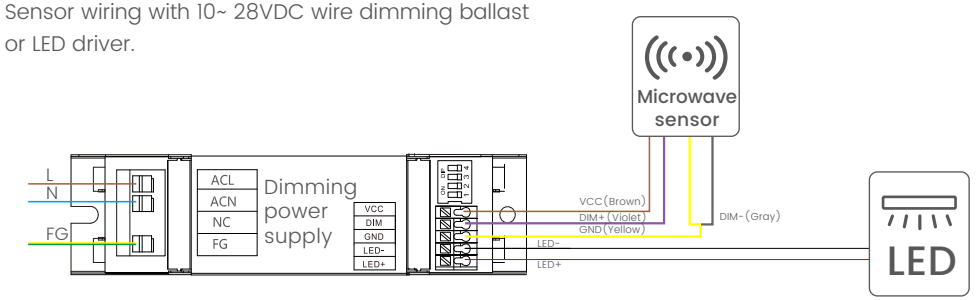
The corresponding file of switch location and stand-by time setting as follow:



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

Electrical Connection

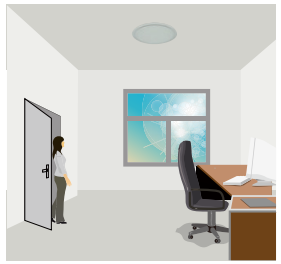
Sensor wiring with 10~ 28VDC wire dimming ballast or LED driver.



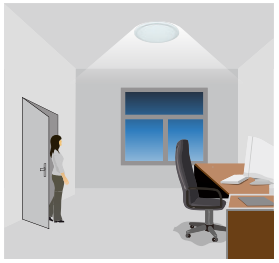
Motion-sensing Function

Corridor Function

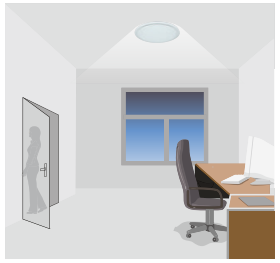
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%dimmed light(natural light is insufficient)-->off; And 2 periods of selectable waiting time: motion hold-time and stand-by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

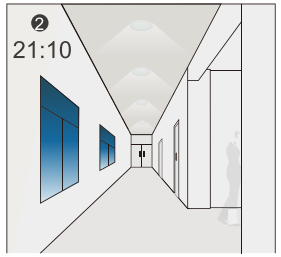
Corridor Function VS Daylight Sensor Function.

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.

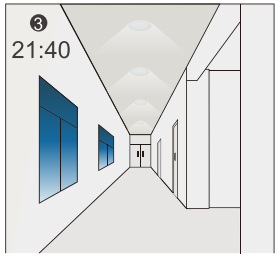
Daylight Sensor Function

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

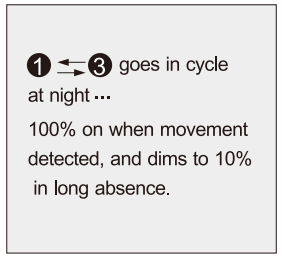
The light switches on at 1 00% when there is movement detected.



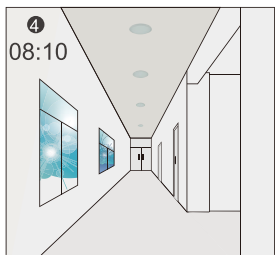
The light dims to stand-by level after the hold-time.



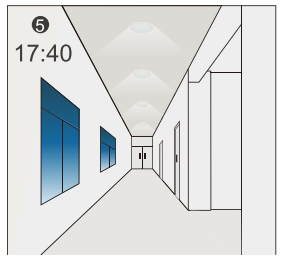
The light remains in dimming level at night.



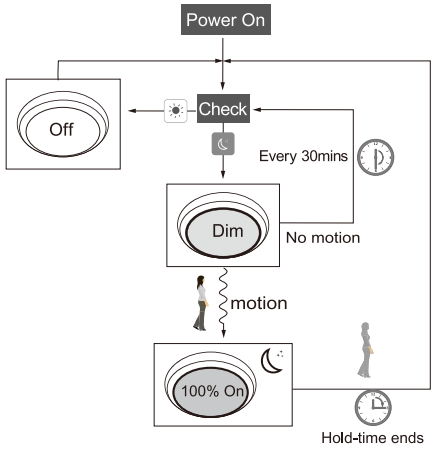
Settings on this demonstration:
Hold-time: 10min
Setpoint on: 50lux
Setpoint off: 300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)



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), theLEDlight 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.

+86-755-2760 8650 sales@signcomplex.com www.signcomplex.com

Application

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

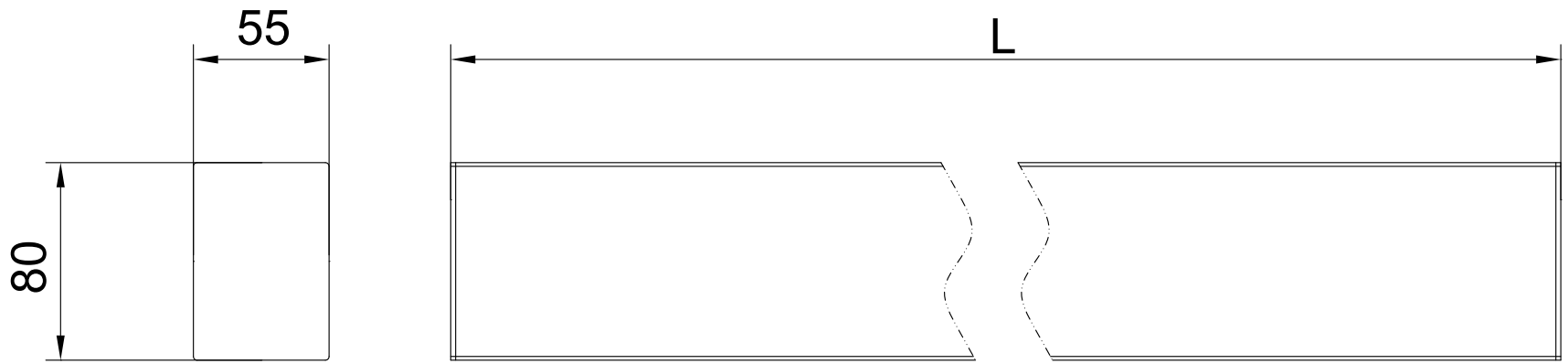
Product name	Model	CCT	Lumens	Power	Beam angle	Input Voltage	LED type	CRI	IP	PF	Remark
1.2M Direct lighting only	SC-SL8055-040-D-MW-AW-CW	6000k-6500k	4100	40	110°	220-240VAC 50/60HZ	SMD 2835	> 80	IP40	> 0.9	No dimming +milky lens
	SC-SL8055-040-D-MW-AW-NW	3800k-4200k	4200								
	SC-SL8055-040-D-MW-AW-WW	2800k-3200k	4000								
	SC-SL8055-040-D-MU-AW-CW	6000k-6500k	4100								No dimming +UGR＜19 lens
	SC-SL8055-040-D-MU-AW-NW	3800k-4200k	4200								
	SC-SL8055-040-D-MU-AW-WW	2800k-3200k	4000								
1.5M Direct lighting only	SC-SL8055-050-D-MW-AW-CW	6000k-6500k	5100	50	110°	220-240VAC 50/60HZ	SMD 2835	> 80	IP40	> 0.9	No dimming +milky lens
	SC-SL8055-050-D-MW-AW-NW	3800k-4200k	5200								
	SC-SL8055-050-D-MW-AW-WW	2800k-3200k	5000								
	SC-SL8055-050-D-MU-AW-CW	6000k-6500k	5100								No dimming +UGR＜19 lens
	SC-SL8055-050-D-MU-AW-NW	3800k-4200k	5200								
	SC-SL8055-050-D-MU-AW-WW	2800k-3200k	5000								
2.4M Direct lighting only	SC-SL8055-080-D-MW-AW-CW	6000k-6500k	8200	80	110°	220-240VAC 50/60HZ	SMD 2835	> 80	IP40	> 0.9	No dimming +milky lens
	SC-SL8055-080-D-MW-AW-NW	3800k-4200k	8400								
	SC-SL8055-080-D-MW-AW-WW	2800k-3200k	8000								
	SC-SL8055-080-D-MU-AW-CW	6000k-6500k	8200								No dimming +UGR＜19 lens
	SC-SL8055-080-D-MU-AW-NW	3800k-4200k	8400								
	SC-SL8055-080-D-MU-AW-WW	2800k-3200k	8000								
1.2M Indirect lighting module	SC-SL8055-010-U-12-CW	6000k-6500k	1025	10	110°	220-240VAC 50/60HZ	SMD 2835	> 80	IP40	> 0.9	No dimming
	SC-SL8055-010-U-12-NW	3800k-4200k	1050								
	SC-SL8055-010-U-12-WW	2800k-3200k	1000								
1.5M Indirect lighting module	SC-SL8055-013-U-15-CW	6000k-6500k	1275	13	110°	220-240VAC 50/60HZ	SMD 2835	> 80	IP40	> 0.9	No dimming
	SC-SL8055-013-U-15-NW	3800k-4200k	1300								
	SC-SL8055-013-U-15-WW	2800k-3200k	1250								

Notes:

(1) When the lamp with direct lighting is upgraded to the lamp with direct/indirect lighting, the lumen and power of the lamp with direct lighting are both 75% of the original;

(2) When 2.4M lamp with direct lighting is upgraded to the lamp with direct/indirect lighting, each lamp with direct lighting needs to be equipped with 2PCS 1.2M indirect lighting modules.

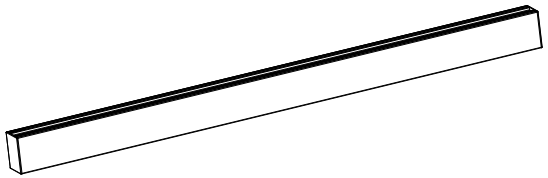
Dimensions (Unit: mm)



(built-in sensor in the middle section of the lamp)

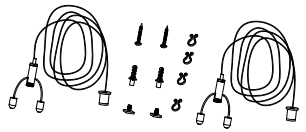
- **1.2m lamp size:** 1202*55*80mm
- **1.5m lamp size:** 1502*55*80mm
- **2.4m lamp size:** 2402*55*80mm

Order list

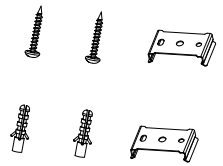


❶
Linear light with direct lighting

❷
Indirect lighting module
(selective assembly)



❸
Suspension installation accessory
(selective assembly)



❹
Ceiling installation accessory
(selective assembly)

❺
Remote control
(selective assembly)

Product name	Model	Product size (mm)	Inner packing size(mm)	Inner box quantity (pcs/inner box)	Inner packing weight(kg)	Carton size (mm)	Carton quantity (inner box/carton)	Carton weight(kg)
1.2M Direct lighting only	SC-SL8055-040-D-MW-AW-CW SC-SL8055-040-D-MW-AW-NW SC-SL8055-040-D-MW-AW-WW SC-SL8055-040-D-MU-AW-CW SC-SL8055-040-D-MU-AW-NW SC-SL8055-040-D-MU-AW-WW	L1202*W55*H80	L1274*W130*H106	1pcs lamp / inner box	2.8kg	L1288*W274*H230	4pcs inner box / carton	15kg
1.5M Direct lighting only	SC-SL8055-050-D-MW-AW-CW SC-SL8055-050-D-MW-AW-NW SC-SL8055-050-D-MW-AW-WW SC-SL8055-050-D-MU-AW-CW SC-SL8055-050-D-MU-AW-NW SC-SL8055-050-D-MU-AW-WW	L1502*W55*H80	L1552*W130*H110	1pcs lamp / inner box	3.5kg	L1566*W280*H230	4pcs inner box / carton	18.5kg
2.4M Direct lighting only	SC-SL8055-080-D-MW-AW-CW SC-SL8055-080-D-MW-AW-NW SC-SL8055-080-D-MW-AW-WW SC-SL8055-080-D-MU-AW-CW SC-SL8055-080-D-MU-AW-NW SC-SL8055-080-D-MU-AW-WW	L2402*W55*H80	L2448*W130*H110	1pcs lamp / inner box	5.8kg	L2462*W144*H238	2pcs inner box / carton	15kg

Notice

- 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.