SUPERIORLIGHTING.COM
energy saving light bulbs

LED Area Lights

5 YEAR WARRANTY | WET LOCATION | DLC LISTED | UL LISTED

Sensor Functions!

The AL series LED floods are a group of architectural LED area luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a variety of other general site lighting applications. Multiple mounting options make the AL series a versatile luminaire for flood lighting, pole-, ground-, and wall-mounted area lighting, and other outdoor lighting requirements.

Construction:
- Rugged one-piece, die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants.

Optics:
- Type III Distribution standard (Type IV, V, available by special request)
- 5000K Daylight LEDs standard.(4000K available by special request)
- Packages from 5,600 to 50,000 Lumens replaces up to 1000W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed.
- The optics can conform to dark sky requirement.

Electrical:
- Universal 120-277 VAC (or 347-480VAC input voltage special order)
- Standard with 0-10V dimming driver(s)
- THD: ≤20%
- Power Factor: ≥90%

Controls:
- Optional occupancy sensor
- Optional Photocell

Ambient Temperature:
- Ambient operating temperature -40˚ C to 45˚ C (-40 ℉ to 113 ℉).

Installation:
- Suitable for mounting heights ranging from 26-50′ in area lighting applications
- Round pole , Square pole , Trunnion Bracket, slipfitter and wall mount are available
- The design can be operated by one person to install the whole lamp

Lifespan:
- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Finish:
- Available in dark bronzeor white.

Dark Bronze | White

LED Area Lights Bronze 120V-277V

Quick Search Code: S18033

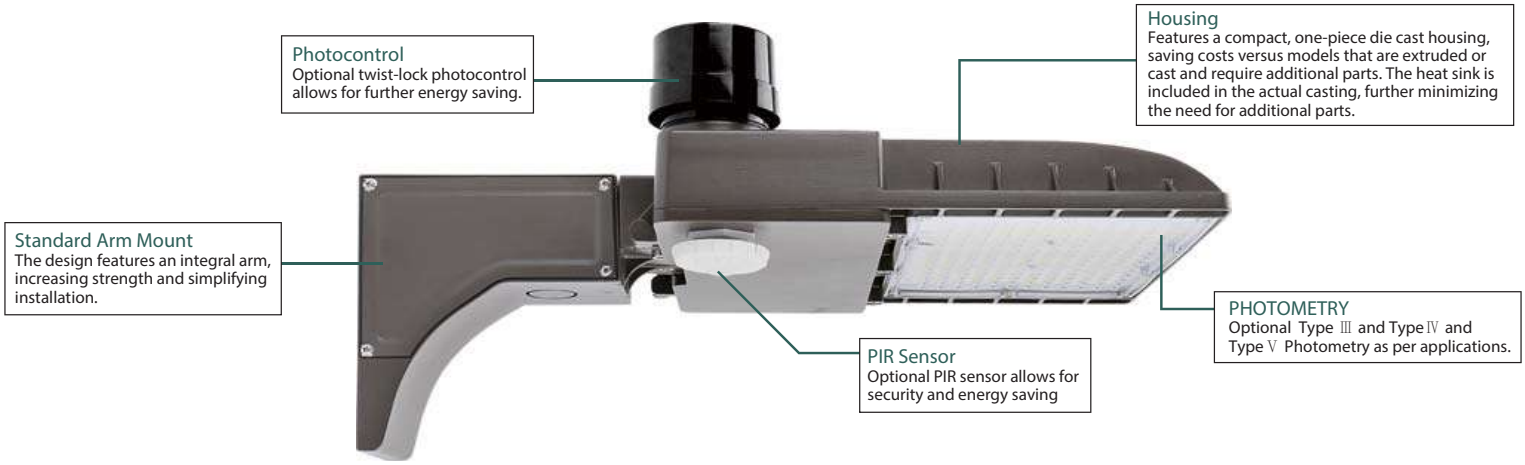
Product No	Description	Equivalency
AL40	40W 5600LM 5000K BRONZE	100 MH
AL70	70W 9600LM 5000K BRONZE	250 MH
AL105	100W 13800LM 5000K BRONZE	320 MH
AL150	150W 20800LM 5000K BRONZE	400 MH
AL200	200W 26000LM 5000K BRONZE	400 MH
AL250	250W 34500LM 5000K BRONZE	750 MH
AL300	300W 41000LM 5000K BRONZE	1000 MH
AL350	350W 50000LM 5000K BRONZE	1500 MH

LED Area Lights White 120V-277V

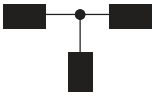
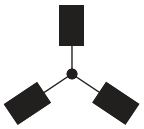
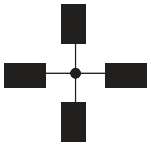
Quick Search Code: S18033

Product No	Description	Equivalency
AL105-W	105W 13400LM 5000K WHITE	320 MH
AL150-W	150W 19700LM 5000K WHITE	400 MH
AL200-W	200W 26200LM 5000K WHITE	400 MH
AL250-W	250W 33250LM 5000K WHITE	750 MH
AL300-W	300W 39300LM 5000K WHITE	1000 MH
AL-PM	Pole Mount	
AL-WM	Wall Mount	
AL-SF	Slipfitter	
AL-TR	Trunnion	
AL-480V	480 Volt	
AL-PIR	PIR Motion Sensor 4000K-(5000K Standard)	
AL-PC	Photocell	

Infographic



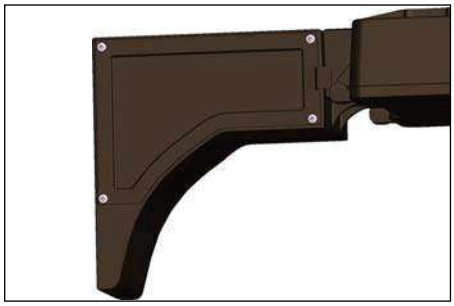
EPA Of Area Light

Item	 1	 2 @90°	 2 @120°	 2@180°	 3 @90°	 3 @120°	 4 @90°
40W/70W/105W	0.3413	0.5929	0.7983	0.6826	1.0239	1.0499	1.0239
150W/200W	0.423	0.735	0.873	0.846	1.158	1.185	1.158
250W/300W	0.4759	0.7889	1.0581	0.9518	1.2648	1.3711	1.2648

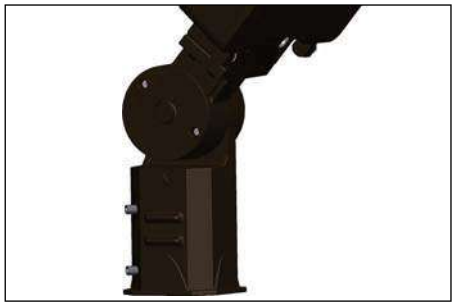
Mounting

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Wall Mount available for direct wall mounting and J-box mounting
- Optional for cast aluminum slipfitter mounting adapter（Compatible with mounting adaptors such as Tenon, suits for various application）

Mounting Options



Arm Mount （4" and 5" Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

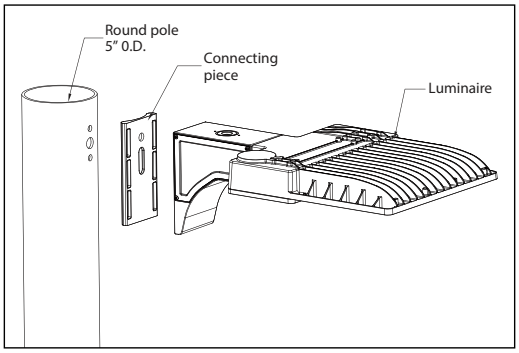


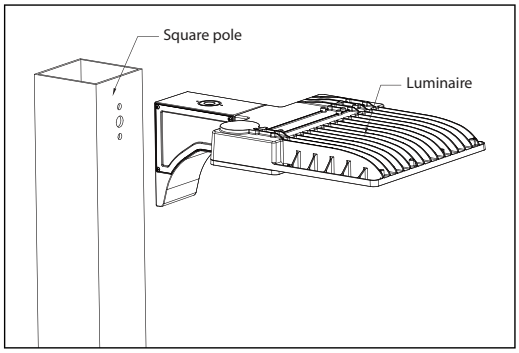
Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2''(2-3/8''O.D. pipe size) horizontal steel tenon arm.

Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring or standard J-box mounting

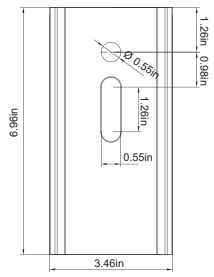
Trunnion(Yoke) Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.

Mounting Guide





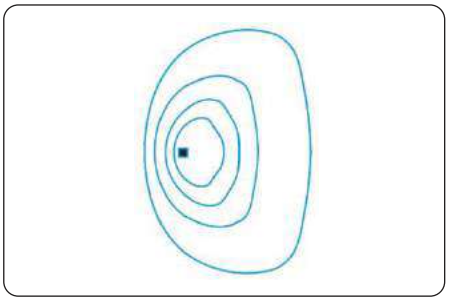
Drilling Template



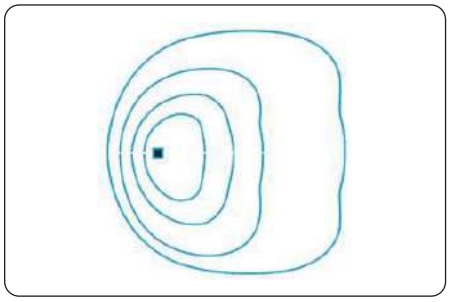
Photometrics

Superior Lighting offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexi bility in precisely matching light distribution patterns to specific site requirements.

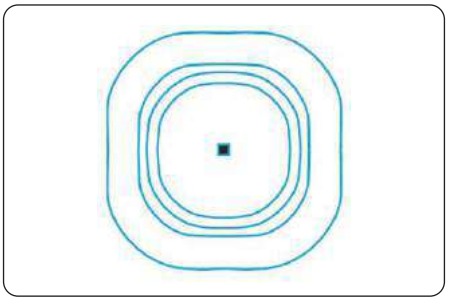
Type 3: Standard
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



Type 4: Call For Special Order 1-800-432-7995
Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

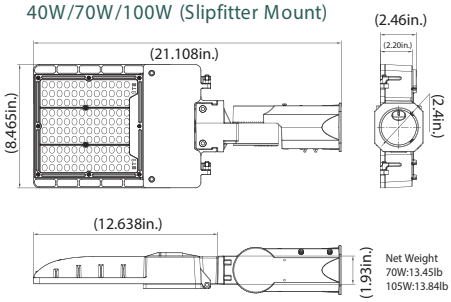


Type 5: Call For Special Order 1-800-432-7995
Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications

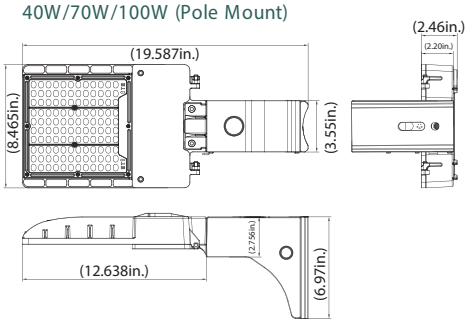


Dimensions

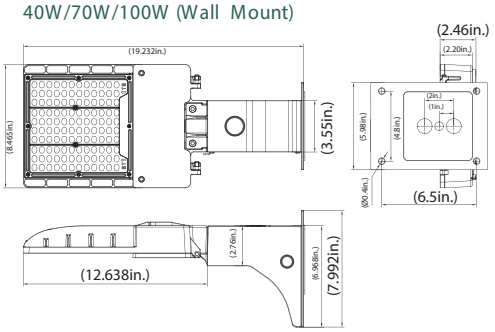
40W/70W/100W (Slipfitter Mount)



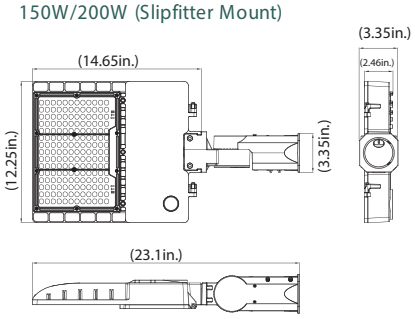
40W/70W/100W (Pole Mount)



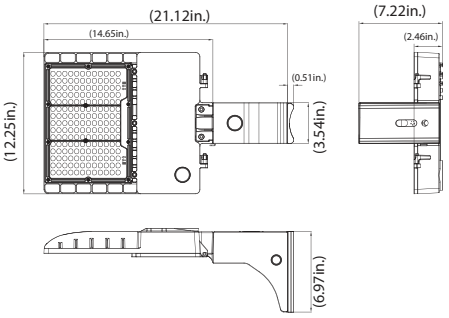
40W/70W/100W (Wall Mount)



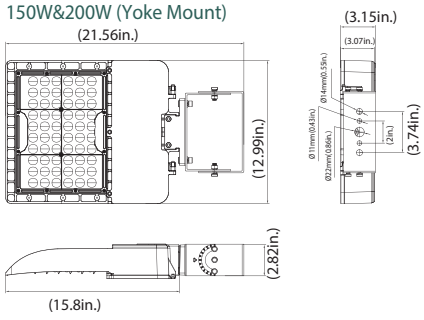
150W/200W (Slipfitter Mount)



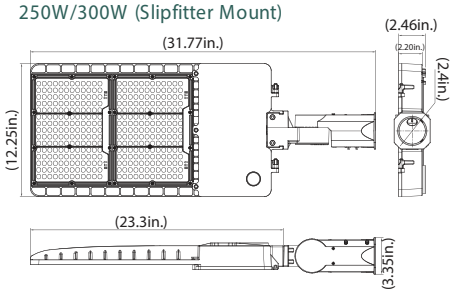
150W/200W (Pole Mount)



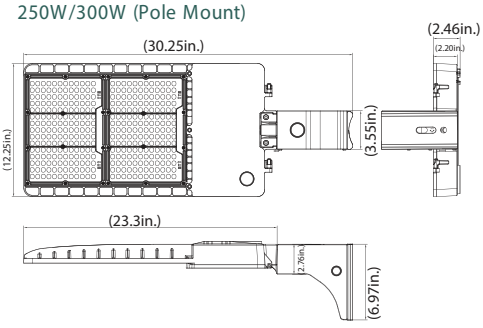
150W&200W (Yoke Mount)



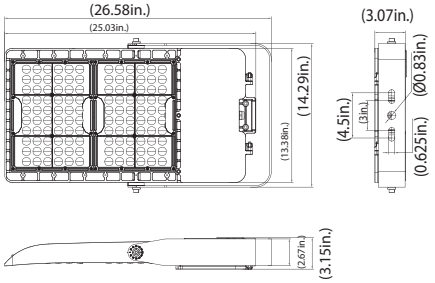
250W/300W (Slipfitter Mount)



250W/300W (Pole Mount)



250W&300W (Trunnion Mount)



Additional Mounting Accessories

Pole / Adapter Accessories

Bronze 3”, 4”, 5” square pole vertical tenon. Goes on 3”, 4”, 5” pole to 2” slipfitter.

PSS3SVTZ
PSS4SVTZ
PSS5SVTZ

Bronze tenon adaptor, 3”, 4”, 5” round pole, to standard tenon,

PRPT3
PRPT4
PRPT5

Bullhorns

Double in-line at 180,˚1’(H), 3’ between centers

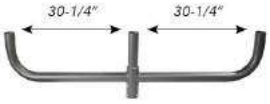
PT2-180-R

Double in-line at 180,˚1’(H), 3’ between centers, slips on 4” pole

PT2-180-S

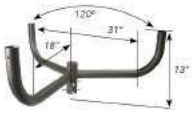
Double in-line at 180,˚1’(H), 2-7” between centers, slips on 2-3/8” pole

PT3-180



Tripple at 120,˚1’(H), 3’-5” between centers, slips on 2-3/8” tenon

PT3-120



Quad at 90,˚1’(H), 2’-10” between centers, slips on 23/8” tenon

PT4-090

Quad in-line at 180, 1’(H), 2’-7” between centers, slips on 2-3/8” pole

PT4-180

Tenons

Square (twin) horizontal tenon, 180˚ bronze. Slips on 4” pole.

PSS4T180HTZ

Square (twin) horizontal tenon, 90˚ bronze. Slips on 4” pole. No adaptor needed

PSS4TR90HTZ

Square (triple) horizontal tenon, 90˚ bronze. Slips on 4” pole. No adaptor needed

PSS4T90HTZ

4” 90˚quad square vertical tenon

PSS4Q90VTZ

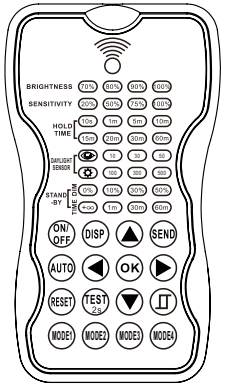
Twin square vertical tenon for 4” square pole, slips on 2-3/8” vertical tenons. Two 2-3/8” vertical tenons

PSS4TVTZ

Triple square vertical tenon for 4” square pole, slips on 2-3/8” vertical tenon. Three 2-3/8” vertical

PSS4TRVTZ

RC-100
Sensor Remote Programmer
OPERATION INSTRUCTIONS



REMOTE
with carrying case

SPECIFICATIONS

Power supply	2 x AAA 1. 5V battery, Alkaline preferred
Carrying case	RC-100 in carrying case
Upload range	Up to 15 m (50 ft.)
Op. temperature	0°C～50°C (32°F～122°F)
Dimensions	123 x 70 x 20.3 mm (4. 84″ x 2.76″ x 0. 8″)

⚠ WARNING

Remove the batteries from compartment if the remote will not be used in 30 days.

OVERVIEW

The remote control Wireless IR Configuration Tool is a handheld tool for remote configuration of IR-enabled fixture integrated sensors. The tool enables device to modify via pushbutton without ladders or tools, and stores up to four sensor parameter modes to speed configuration of multiple sensors.

The remote control uses bidirectional IR communication to send and receive sensor settings at mounting height up to 50 feet. The device can display previously established sensor parameters, copy parameters and send new parameters or store parameter profiles. For projects where identical settings may be desired across a large number of areas or spaces, this capability provides a streamlined method of configuration. Settings can be copied throughout a site, or in different sites.

LED INDICATORS

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.
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.

BUTTON OPERATION

BUTTON	DESCRIPTION	BUTTON	DESCRIPTION
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.

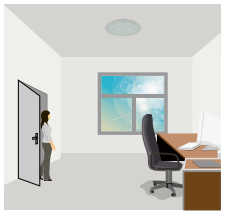
Change multiple setting of sensors with smart photocell sensor Open

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.

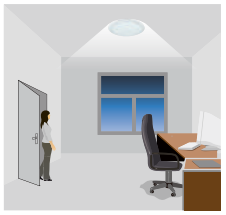
NOTE: (⎍) is disabled by default.
1.Open or close the smart daylight sensor by push (⎍) when remote control is in setting condition.
2.When the smart daylight sensor open, 2 Led indicators are flash in daylight sensor setting. select daylight (10) (30) (50) as setpoint to light on Automatically , select daylight (100) (300) (500) as setpoint to light off automatically.When smart daylight sensor close, 1 Led 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**.

Corridor Function

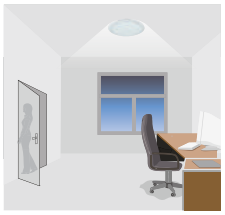
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by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



With suffcient 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.

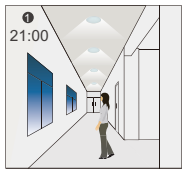


After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.

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

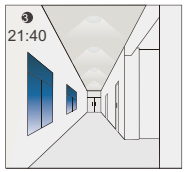
Daylight Sensor Function

Open the daylight sensor by push (⎍) when remote control is in setting condition.



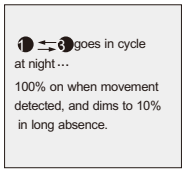
The light switches on at 100% when there is movement detected.

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

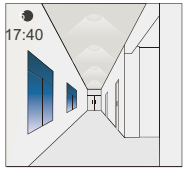


The light remains in dimming level at night.

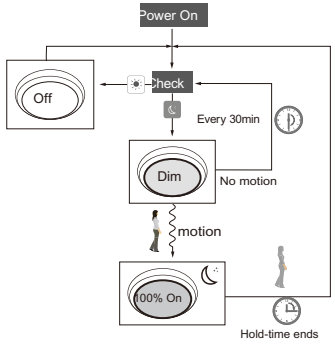
Settings on this demonstration:
Hold-time: 30min
setpoint to light on:50lux
setpoint to light off:300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)



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).



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.

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)

MODE	BRIGHTNESS	SENSITIVITY	HOLD TIME	DAYLIGHT SENSOR	STAND-BY DIM	STAND-BY TIME
MODE1	70%	20%	10s	☼	0%	+∞
MODE 2	70%	20%	10s	☼	0%	+∞
MODE 3	70%	20%	10s	☼	0%	+∞
MODE 4	70%	20%	10s	☼	0%	+∞

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 same parameters, just aim at the sensor and press (SEND) button.