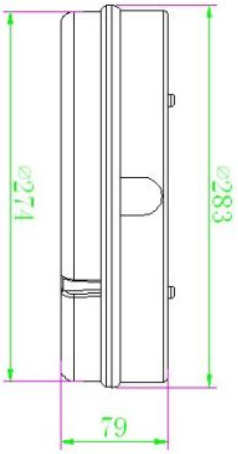
1. Product dimension:

ICL-OYL-283,79mm-SMD3528-240P-12W-S,MS,EM,EMMS-IP65 14W for emergency version US



Model	Diameter(m	Height(mm)
SS-OYL-283,79mm-SMD3528-240P-12W-S/MS/EM/EMMS-IP65	283	79

2. Key features

- LED light source, green and energy-saving;
- IP65, waterproof ;
- Polycarbonate housing and prismatic diffuser;
- 3 Hours emergency(customized);
- Microwave sensor,
  --Automatic dims when detected area is unattended
  --Adjustable range (1-8m)
- c/w M20 x 1.5 IP65 Gland;
- Anti-glare design: against from the dizzy light;
- No UV, no infrared, no other Hazardous Substances;
- No noise, no flicker, resistance from vibration;
- CE&ROHS compliant;
- Two years warranty;

Input voltage (50/60Hz)	AC 100-240V
Power consumption	12W (14W for emergency version)
PF	>0.9
LED Driver output voltage	DC 30V
LED Driver output current	350mA ±15mA
Light source	Epistar 3528 SMD LED 240 PCS
Color Temperature(CCT)	3000K /4000K/ 6000K (optional)
CRI	>75
Flux luminous	680 -720Lm
Luminous efficacy	60Lm /W for SN-ES12022-C-2 58Lm /W for SN-ES12022-S-2 57Lm /W for SN-ES12022-E-2 56Lm /W for SN-ES12022-2
View angle	120°
Housing material	PC housing, prismatic/ frosted diffuser (optional)
IP Rating	IP 65
Life Span	Up to 35,000 hours
Operation temperature	-10degC to 40degC
Dimension	¢283*79mm
Package	300*300*110mm
Net Weight	1.78KG(approx)

Emergency:	
Type	Maintained
Battery(High-Temperature)	9.6V 1.6 AH Ni-MH rechargeable
Emergency output	30% nominal power
Emergency duration	>3 Hours
Charge time	< 12Hours
LED indication	Red: charging; Green: fully charged; Yellow: battery fault or disconnected
Test button	AC power on: Push and hold the button to enter emergency mode; release button to come back AC power mode
Microwave Sensor:	
Sensor range	180 degree; 0.5 - 8M(adjustable)
Sensing interval	10s to 5min max (adjustable)
Sensing interval output	25% normal power

Input: AC100-240V 50/60Hz

Light Source: SMD 3528 240Pcs

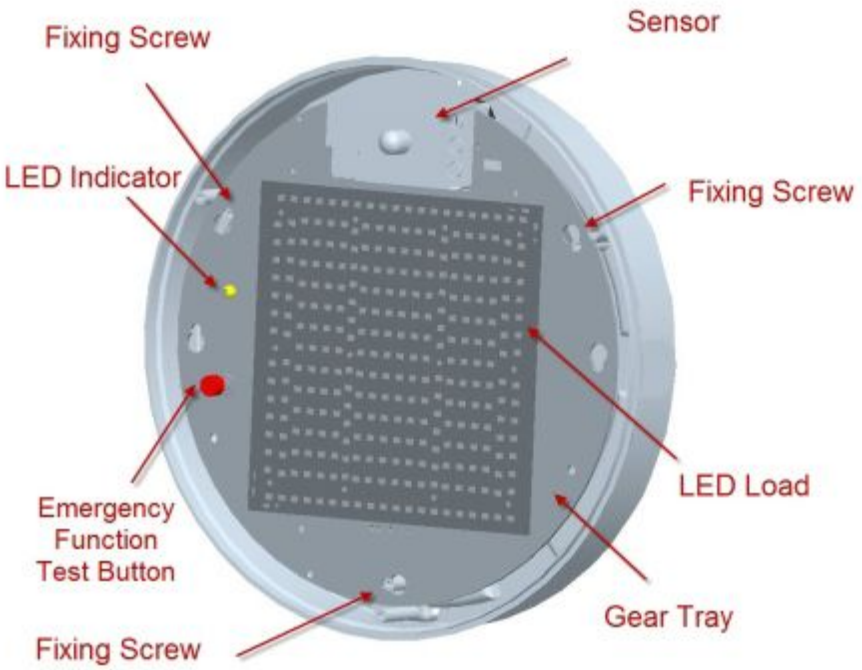
PF>0.9

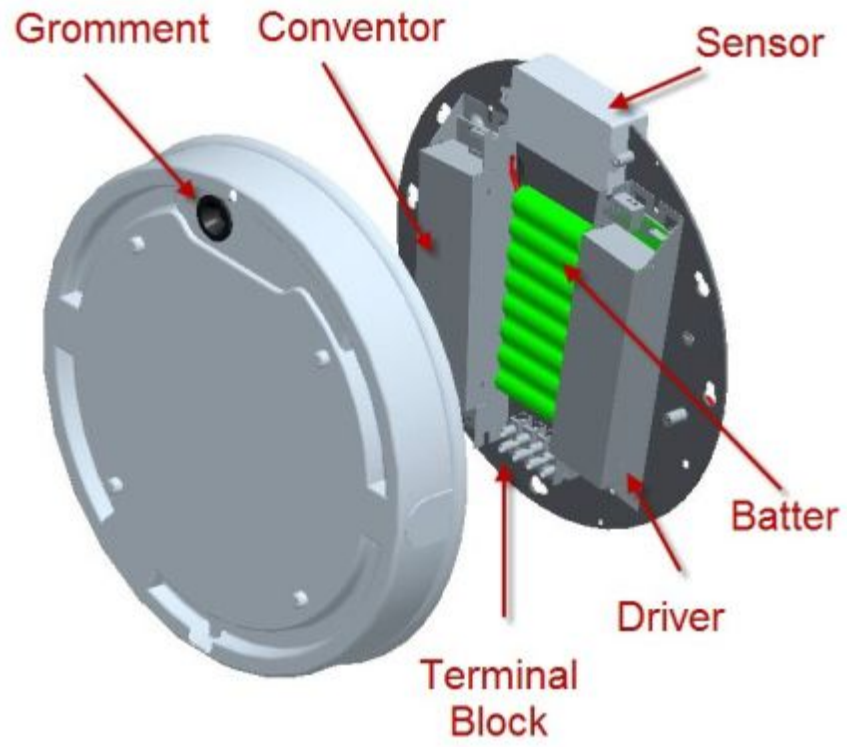
LED Driver Output: DC 30V

LED Driver output current: 350mA±25mA
Conversion Efficiency>85%
Beam angle: 120°
Color Rendering Index: CRI>75/80Ra
Luminous Efficacy: 82Lm/W for Sensor version
67.5Lm/W for Emergency version 65Lm/W for Sensor+ Emergency Version

Mechanical Characteristics:

Working temperature: 55 degrees Celsius at room temperature 25 degree Celsius
Ambient temperature: -20~50 degrees Celsius





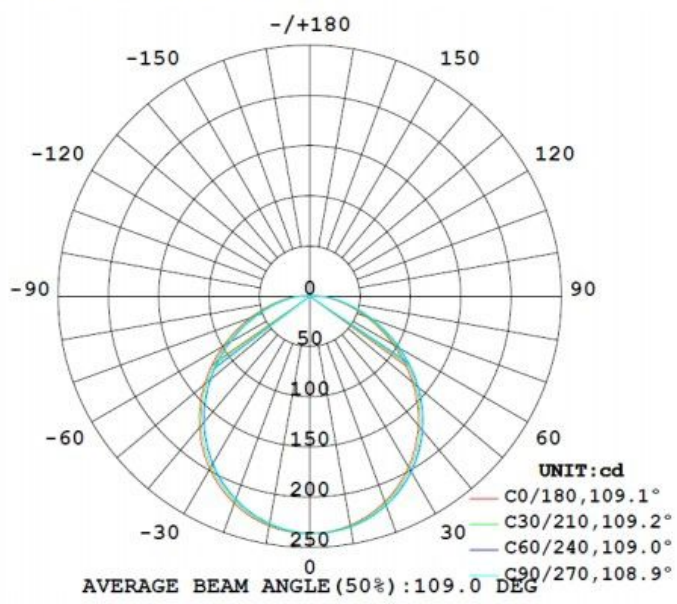
3. Specification

Input voltage: 100~240VAC

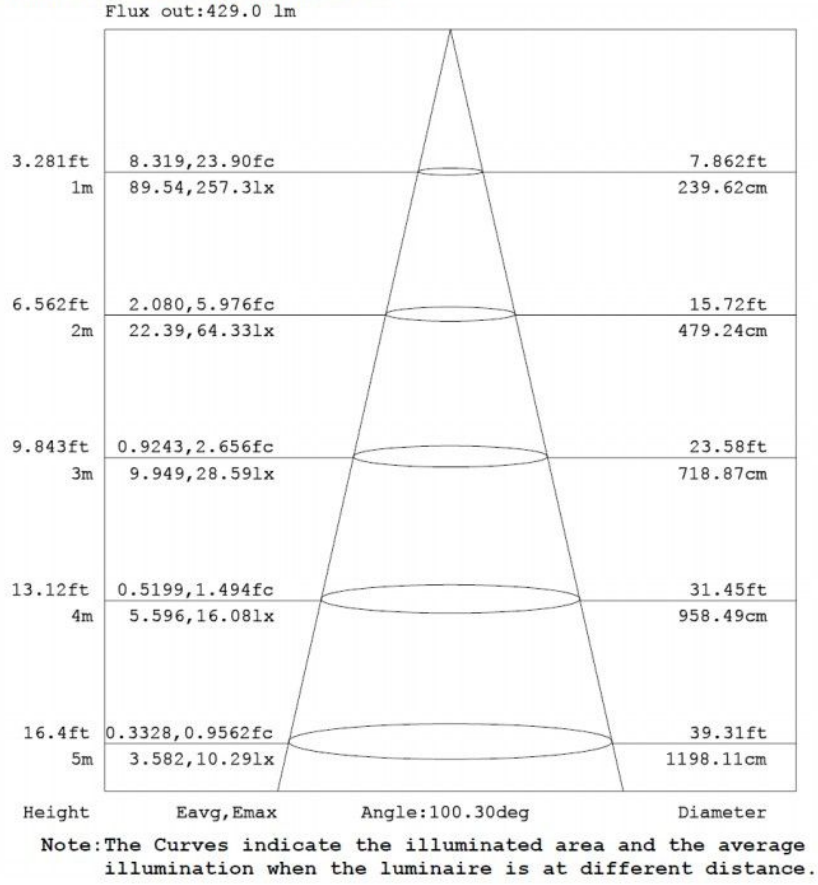
Model	LED	Wattage	Colour Temperature:	Lumens	Size
SS-OYL-283,79mm-SMD3528-240P-12W-S-IP65	240Pcs SMD 3528 LEDs Standard	12W	3000K;4000K 6000K	680Lm 720Lm	¢283mm*79mm
SS-OYL-283,79mm-SMD3528-240P-12W-MC-IP65	240Pcs SMD 3528 LEDs Microwave sensor	12W	3000K;4000K 6000K	680Lm 720Lm	¢283mm*79mm
SS-OYL-283,79mm-SMD3528-240P-14W-EM-IP65	240Pcs SMD 3528 LEDs Emergency Back 3hrs	14W	3000K;4000K 6000K	680Lm 720Lm	¢283mm*79mm
SS-OYL-283,79mm-SMD3528-240P-14W-EMMC-IP65	240Pcs SMD 3528 LEDs Emergency backup+ Microwave sensor	14W	3000K;4000K 6000K	680Lm 720Lm	¢283mm*79mm

4. Technical information

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Illuminated area and average illumination curve



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

5. Application information

1. Replacement for traditional recessed lights
2. Ceiling light
3. Shopping center
4. Walkway
5. Hotel

6. Restaurant
7. Entertainment places
8. Display case
9. Museum
10. Household
11. Entertainment places
12. Residential
13.Corridor




6. Package & Certification

Model	Net Weight : (KG)	Volumetric weight(KG)	Inner Box Size: (mm)	Carton Size: (mm)	Quantity per Carton	Gross Weight Per Carton	Volumetric weight per carton(kg)
SS-OYL-283,79mm-SMD3528-240P-12W-S-IP65	1.78KG		300*300*110mm				
SS-OYL-283,79mm-SMD3528-240P-12W-MC-IP65	1.78KG		300*300*110mm				
SS-OYL-283,79mm-SMD3528-240P-14W-EM-IP65	1.78KG		300*300*110mm				
SS-OYL-283,79mm-SMD3528-240P-14W-EMMC-IP65	1.78KG		300*300*110mm				

7.Caution

Suitable for wall and ceiling mounting, indoor using only
Only to be installed with qualified electrician

Kindly notice the power is off when installation

Supplied with LED and power supply

8.Installation

Installation Instruction

These instructions should be read in full and retained after Installation for future reference.

SAFETY

It is recommended that this luminaire is installed by a qualified electrician and installed to the current edition of the IEE wiring regulations.

Before installation or maintenance is carried out, ensure that the mains supply is turned off, and adequately isolated.

Check that the total load of this and any other luminaires on the same circuit does not exceed that of the fuse or main circuit breaker.

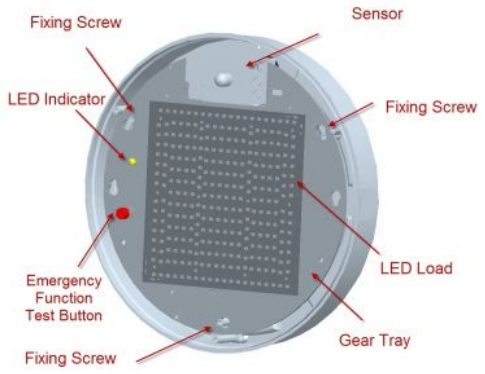


Fig 1

FIXING INSTRUCTIONS

Remove the diffuser from the base and lifting away(**see Fig.1**).

Unscrew the 3 fixing screws (**see Fig.2**) to remove the LED gear tray and gain access to the terminal block.

Drill through four fixing holes (x 8) on the back of the base, (**see Fig 3**).
Then mark the position of the luminaire to the fitting surface.
Make sure the fitting surface is suitable to take the weight of the luminaire.
Drill the marked holes and fit a suitable wall/surface plug (supplied).

Feed the power supply cable through the cable entry using the grommet, then fit the luminaire to the wall using the screws and sealing washers supplied. (**see Fig 3**).

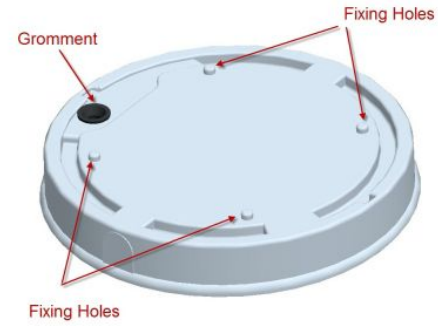


FIG2

Connect the cable to the terminal block as follow:
For the SN-ES14025-14W-C and SN-ES14025-14W-S versions (see Fig.4):
LIVE wire (Red or Brown) to the terminal marked L
NEUTRAL wire (Black or Blue) to the terminal marked N
EARTH wire (Green/Yellow) to the terminal marked ⏚

For the SN-ES14025-14W-E and SN-ES14025-14W emergency versions (See Fig.5):
PERMANENT LIVE (Red or Brown) to the terminal marked PL
SWITCH LIVE (Red or Brown) to the terminal marked SL
NEUTRAL (Black or Blue) to the terminal marked N
EARTH (Green/Yellow) to the terminal marked ⏚

(Note: If there are only 3 lead wires from the main supply,please short PL and SL, and then connect Live Wire to PL or SL.)

Ensure that there are no exposed conductors, loose or trapped cable strands and re-fit the gear tray.
Refit the diffuser and locking in place, the luminaire is now ready for use.

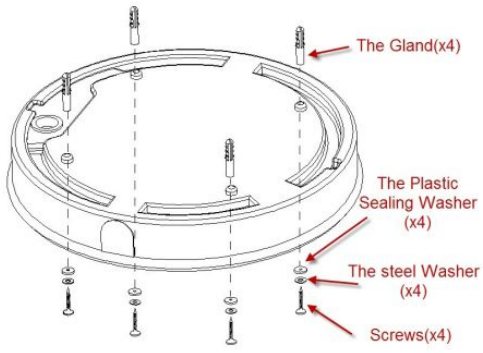


FIG3

EMERGENCY VERSION ONLY

Emergency function test button, (see Fig 1) after installation with the mains supply on, push the test button to test the emergency function, if the LED brightness is reduced to emergency brightness (30% of full brightness), the function is working.

LED Indication
Red indicates the battery is charging
Green indicates the battery is fully charged
Yellow indicates the battery is disconnected or damaged

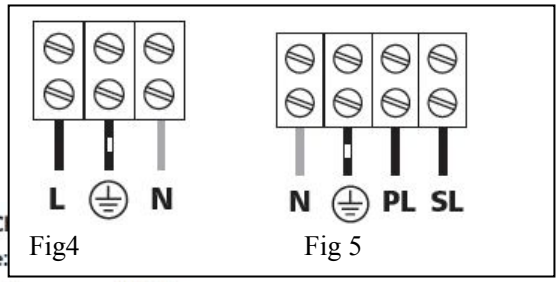


Fig4 Fig 5

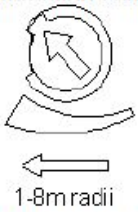
Microwave sensor instructions

The sensor is an active motion detector, it emits high-frequency electro-magnetic waves (5.8GHz) and receives their echo. The sensor detects the
change in echo from the slightest movement in its detection zone. A microprocessor then triggers the "switch light ON" command. Detection is possible through doors, panes of glass or thin walls.

Important: persons or objects moving towards the sensor are detected best!

Reach setting (sensitivity)

Reach is the term used to describe the radius of the circular detection zone produced on the ground.
After mounting the sensor light at a height of 2.5m, turn the reach control completely in anti-clockwise direction to select minimum reach (approx.1 m radius), and turn the reach control completely in a clockwise direction to select the maximum reach (approx.8m radius).
The LED indicator will flash when the reach control is rotated. It flashes 1 to 10 times, representing 1m to 8m for the radius of the detection zone.

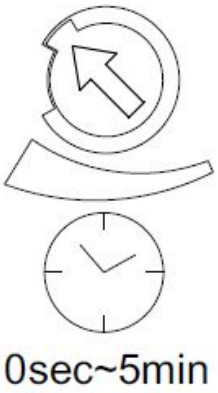


NOTE: The above detection distance is measured using a person who is between 1.6m~1.7m tall with an average build, moving at a speed of 1.0~1.5m/sec. if any of these variables are changed, the detection distance will also resultantly change.

Time setting

The light can be set to stay ON for any period of time between approx. 10sec (dial turned fully anti-clockwise) and a maximum of 5min(dial turned fully clockwise). Any movement detected during the "on" time will reset the timer. The LED indicator will flash when adjusting the time setting dial. The number of flashes means the following:

1flash=10sec	2flashes=20sec
3flashes=30sec	4flashes=45sec
5flashes=60sec	6flashes=90sec
7flashes=2min	8flashes=3min
9flashes=4min	10 flashes=5min



SENSOR TECH

Input Voltage:	
Output power:	5V DC
Sensor principle:	Microwave motion detector
Installation:	Indoors, ceiling mounting
HF system:	5.8GHz+/-75MHz CW radar, ISM band
Transmission power:	<10mW
Detection angle:	360"
Detection range:	up to 8m (on 100% sensitivity, frontal to the sensor, plain sensor without glass)
Motion detection:	0.3 ..... 3 m/s (1 ... 10km/h)
Time setting:	10 seconds to 5 minutes
Light control:	2-2000 LUX
Power consumption:	Approximately 0.9W
Operating conditions:	Operating temperature, -10° to 70°C
IP rating:	IP20 (mounting inside a fiting)

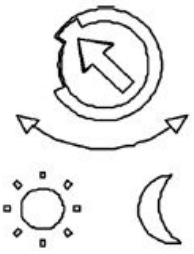
NOTE: After the light switches off, it takes approx. 1sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

Troubleshooting

Malfunction	Possible Cause	Remedy
The luminaire will not work	Wrong light-control setting selected	Adjust setting
	Luminaire faulty	Change luminaire
	Mains switch OFF	Switch ON
The luminaire is always ON	Continuous movement in the detection zone	Check zone setting
The luminaire works without any identifiable movement	The sensor not properly mounted for detecting movement reliably	Securely mount sensor enclosure and luminaire
	Movement occurred, but not identified by the sensor (movement over boundary wall, movement of a small object in immediate luminaire vicinity etc.)	Check zone setting
The luminaire will not work despite movement	Rapid movements are suppressed to minimize false triggering or the detection zone you have set is too small	Check zone setting

Light-control setting

The chosen light response threshold can be infinitely from approx. 2-2000lux. Turn it fully anti-clockwise to select dusk- to-dawn operation at about 2 Lux. Turn it fully clockwise to select daylight operation at about 2000lux. The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight.



2~2000LUX

Note: This setting has not been used!