



Description

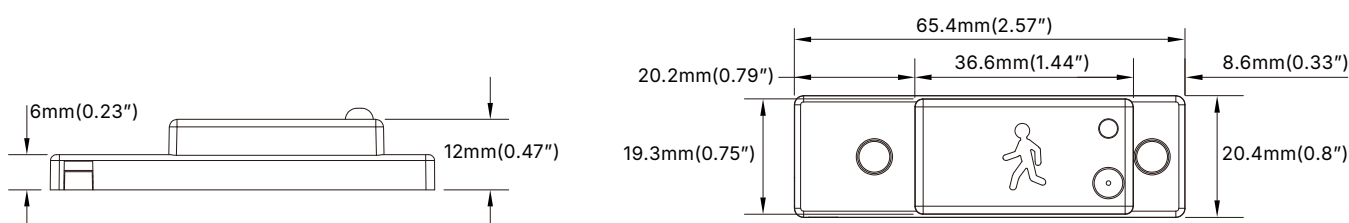
- 12VDC Input with 0-10V dimming
- Bluetooth and regular version available;
- Square module part, with magnet for easy installation
- With quick connector
- Application: Panel, Troffer, Strip, Wrap



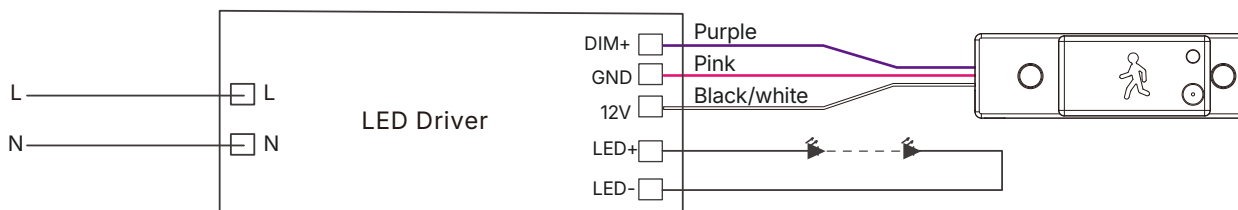
Specifications

Input Voltage	10.5-15V DC (Supply Current >50mA)
Input Current	<40mA
Stand-by Power	DC10.5V@<0.5W
Control Method	0-10V DIM
Frequency	5.8GHz±75MHz
Microwave Power	<0.3mW
Detection Angle	30-150° (Without Glass Cover)
Mounting Height	≤4m/13ft Ceiling Mounted
Detection Range	Radius: 3-7m 9.84-22.97ft
Working Temp	-30°C~+60°C
Control Device	HSE WISE APP
Bluetooth Transmit	30m / 98ft
Radio Frequency	2.4GHz (2402~2480MHz)
Bluetooth Version	5.4
Dim level	Min Dim Level : 0% - Max Dim Level : 100%
Detection Area	High / Medium / Low
Max Dim	1%-100% Continuously Adjustable
Hold Time	5s/30s/1 min-120 min (Min Hold Time 5s, Adjustment Range 1 min)
Stanby Dimming Level	1% - 100% (Adjustment Range 1%)
Standby Period	0s/5s/30s/1min to 120min (Adjustment Range 1 min) / ∞
Daylight Threshold	Disable 50Lux - 2000Lux (Adjustment Range 50Lux)
Daylight Harvesting	Function supported, please follow steps in "Performance" part to activate it.
IP Rating	IP20
Compliance	In accordance with CE ROHS
Warranty	5 year warranty

Dimensions



Wiring

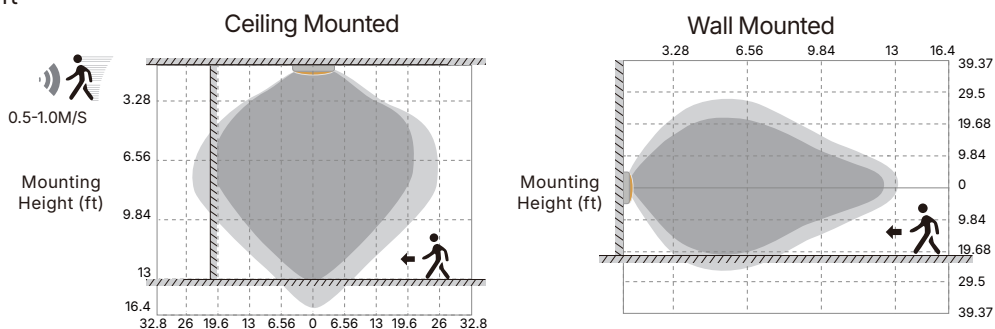


Detection Coverage

Highest mounting height is 4m/13ft

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

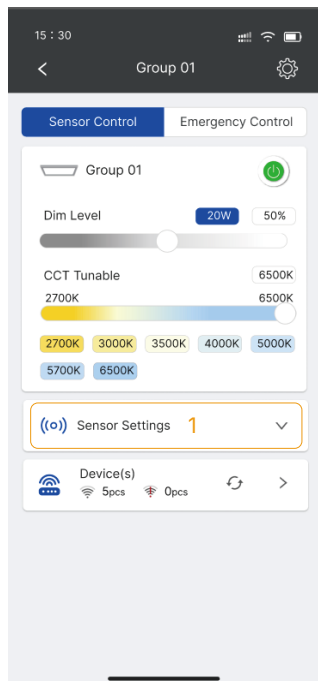
- Well Detected Area
- Possibly Detected Area



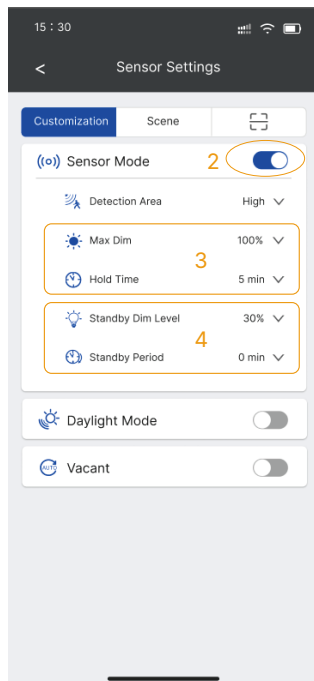
Performance

1. Daylight Harvesting

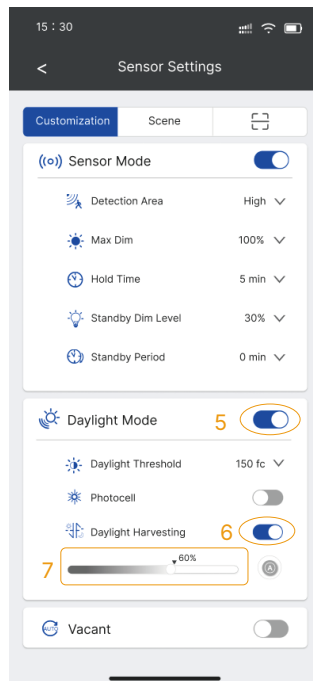
Please follow below setting steps to perform this function:



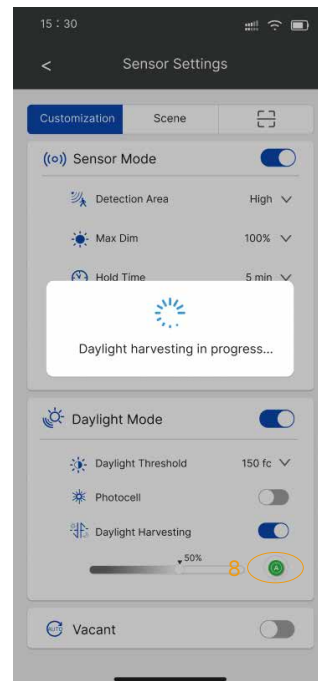
1. Tap "Sensor Settings" to open the control interface.



2. Enable the Sensor Mode.
3. Set the Max Dim and Hold Time parameters.
4. Set the Standby Dim Level and Standby Period.

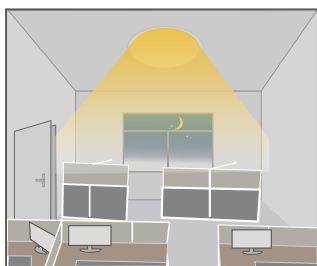


5. Enable the Daylight Mode.
6. Enable the Daylight Harvesting.
7. Adjust the luminaire output to the desired comfort level.

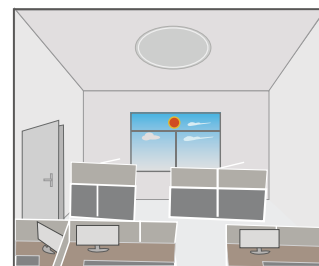
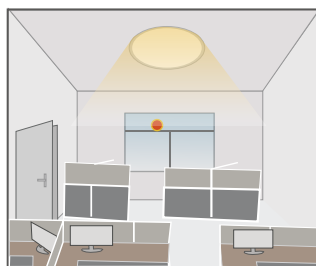
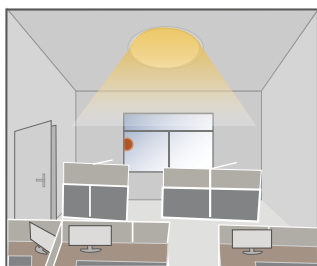


8. Press the Learn button to save the current ambient light level as the reference value.

Picture Diagram

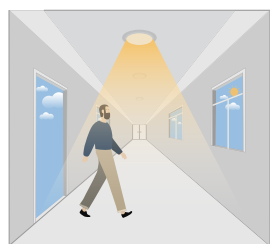


When ambient brightness is lower than preset lux level, Someone triggered ON light and keep dimming according to the change of the ambient brightness; when outside is getting darker, the inside will be brighter, and brighter darker.

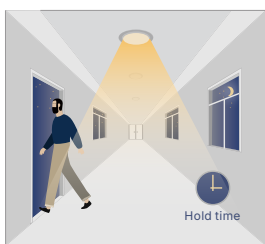


Light OFF when ambient brightness becomes higher than the preset lux level.

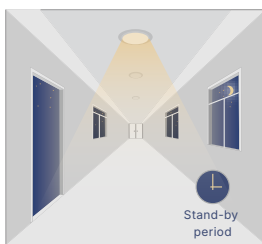
3. Without daylight disabled



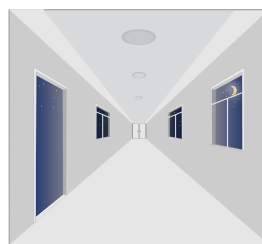
Sensor turns ON light when motion is detected.



Sensor keeps for a hold time period after motion leaves

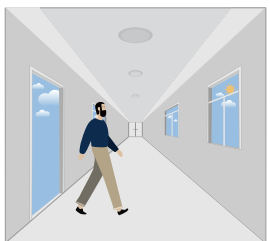


Sensor dims light to standby dimming level after hold time if there is still no motion

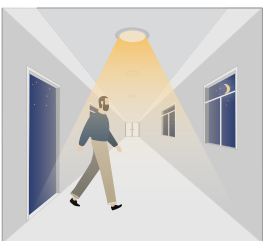


Sensor turns OFF light after standby period

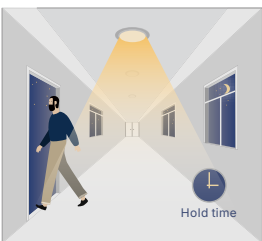
4. With Daylight Threshold



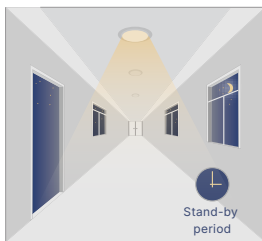
With sufficient daylight, the sensor keeps light OFF even motion gets detected



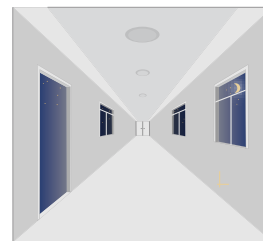
With insufficient daylight, the sensor turns light ON when motion gets detected



After there's no motion detected, the sensor keeps light ON 100% for holdtime.



After holdtime, sensor dims light to standby dimming level for standby period. if the standby period has been set as 0s, sensor turns light OFF automatically after holdtime.



The sensor turns OFF light automatically after the standby period when there's no motion detected.

Factory Setting

1. Sensor Mode: ON
2. Detection Area: High
3. Max Dim: 100%
4. Hold Time: 10min
5. Standby Dimming Level: 20%
6. Standby Period: 10min
7. Daylight Mode: OFF



Attention

1. The sensor should be installed by qualified electrician and ensure power is OFF before installation.
2. Please read the instruction carefully before using the product and keep it well for other users to read any time.
3. We reserve the right to modify any incorrect text, image and technical parameters.
4. Any unauthorized modification is forbidden. Otherwise all guarantees will be immediately invalid.
5. Product could be optimized without prior notice.

Application Notes

1. Suitable for indoor application, half/completely outdoor environment conditions might be captured as moving signals to trigger the sensor.
2. Suitable for ceiling mount installation, adjust sensitivity properly if it's installed on side-wall because it gets more sensitive.
3. Adjust sensitivity properly when the sensor is applied in small/narrow/metal-built/with metal spaces.
4. Microwave sensor can't be placed under/inside metal shell; Microwave module must directly face the detection area with edge lower than light fixture.
5. Keep the sensor away from vibration equipments, air-conditioning outlets, smoke extractors alike conditions to avoid unwanted trigger.
6. Keep the sensor module away from AC input and DC output to avoid high/low frequency signal interference.
7. At least 2m/6.5ft distance between microwave sensors; 1.5m/4.9ft between the sensor and other wireless devices such as routers to avoid possible radio interference.
8. Daylight testing delivered in bright day without shadow or specially designed lampshade or lens.
9. Dimming performance differs when connected to different drivers; If the driver can't completely turn OFF, sensor can't either.
10. Input power voltage must be stable with float less than 10%.
11. The first time powered ON sensor, light will be ON 100% . The light then automatically dims to standby level or powers off.
12. Distance detection is delivered by testing person about 165cm in open area as reference, the result differs by size and speed of moving objects, mounting height and real-life situation.

App Download

