EXTERNAL ALTITUDE SENSOR
12Vdc & Humidity Resistant

BUILDERS PACK
EASY INSTALLATION

Passive Infrared Daylight Sensor |13' Ceiling Mount

DESCRIPTION

With high quality FRESNEL LENS | Plug & Play audio jake

DEFAULT PROGRAM

- Detection Area: 50%
- Hold Time: 30min
- Daylight Threshold: Disable
- Stand-by Dimming Level: 30%
- Stand-by Period: 30min

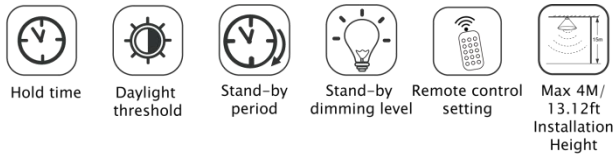
PRODUCT FETURES

- NLC/DLC Qualified
- Tiny PIR Sensor with/out Bluetooth-Mesh, Microwave Version Interchangeable
- Remote control (purchased separately)
- Audio-Jack Classic Connection, 0-10V Dimming, with Daylight HarvestingIP 20 rated
- Suitable for Back-lit Panel

LAMP CODE DEFINITIONS

HD08VR-P/PB

HD08VR	P / PB
Series	P = Regular PIR PB = Bluetooth PIR



Bluetooth® c UL us E529048 FC 5 YEAR WARRANTY

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SPECIFICATIONS

SKU	39-2010S	39-2011S
Technical	PIR Regular	PIR Bluetooth
Input Voltage	10-15Vdc	
Input Current	<15mA	
Signal	DIM 0-10V	
Connection	TipDIM+, RingVCC, SleeveGND	
Stand-by Power	<0.5W	
Wireless Control Range	>20m/65ft	
Installation Height	4m/13.12ft Max	
Detection Angle	Fresnel Lens ≤120° Fersnel Lens 360° Ceiling Mounted	
Detection Distance	≥3m/9ft	
Detection Area	25%/50%/75%/100%	
Hold Time	5s/30s/1min/3min/5min/10min/20min/30min	
Daylight Threshold	Disable/ 2lux/ 10lux/ 30lux/ 50lux/ 80lux/ 120lux	
Stand-by Dimming Level	10%/20%/30%/50%	
Standby Period	0s/10s/30s/1min/5min/10min/30min/60min+∞	
Dusk / Dawn Sensing / Photocell setting	Daylight threshold as 30lux/ 50lux/ 80lux/ 120lux Stand-by period as +∞ ; Stand-by dimming level as 10%/20%/30%	
Remote Control	SKU# 78-20178-A with digital display	
Working Temperature	-25°C ~ +60°C / -13°F ~ +140°F	
Storage Temperature	-40°C ~ +80°C / -40°F ~ +176°F	
IP Rate	IP20	

STARTUP BEHAVIOR

When fixture power is applied, the below startup sequence occurs

1. Light output 100%
2. After 45s, lights off
3. Sensor is now ready for normal operation

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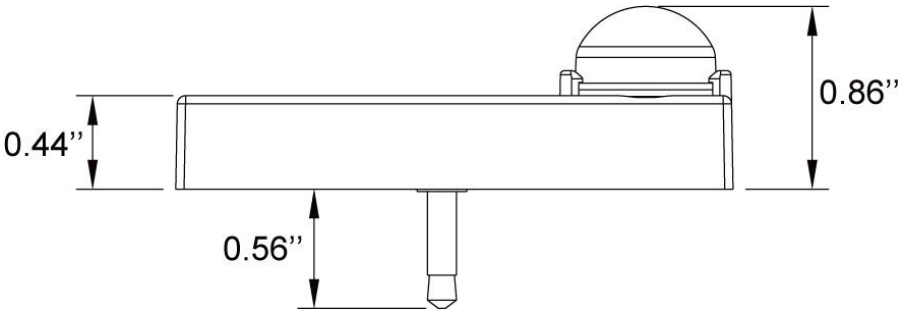
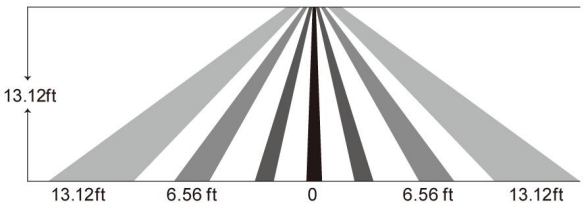
DIMENSION

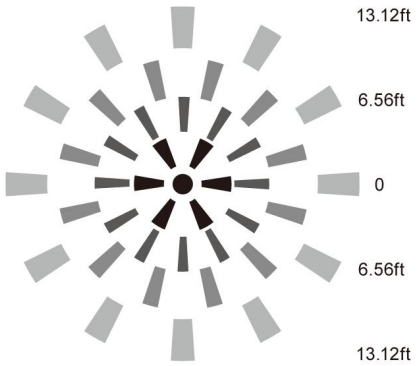


DETECTION COVERAGE

Mounting Height
<4m/13.12 Ceiling Mounted

Detection Distance
Radius 2-4m/6.56-13.12ft



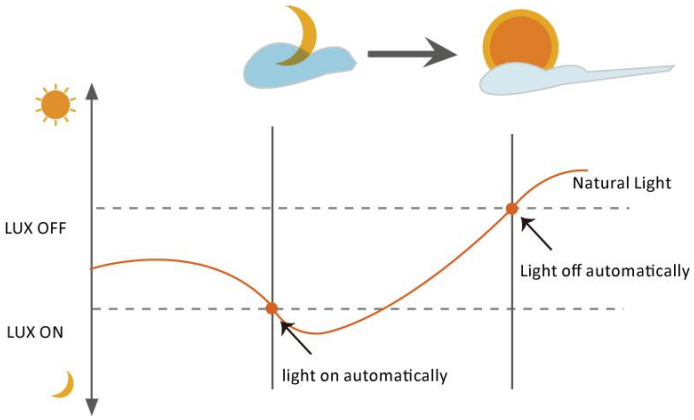


DUSK/DAWN FUNCTION

This sensor is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Precondition of Dusk/Dawn function

1. Standby period is +∞;
2.Standby dimming level is on 10%,20% or 30%;
3. Daylight threshold is on 30lux/ 50lux/ 80lux/ 120lux



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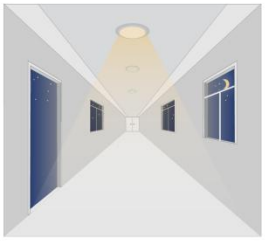
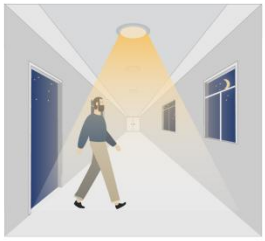
1. With Dusk/Dawn function

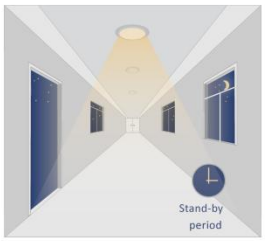


With insufficient ambient brightness, sensor turns on light and keeps it at standby dimming level even if there is no motion or persence.

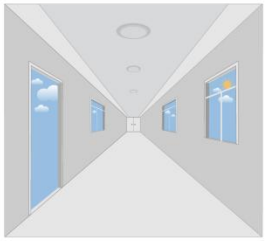


When sensor detects motion or presence it will bring the light level up to 100%.

After motion is no longer detected, fixture remains at 100% for hold time.

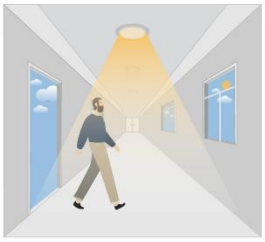


After pre-set hold time period it will dim light to standby dimming level again and always keep it.



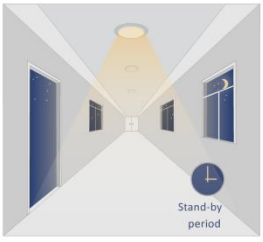
With sufficient ambient brightness, sensor will turn OFF light automatically.

2. Without daylight disabled

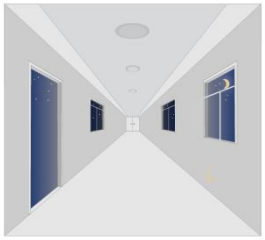


Sensor turns ON light when motion is detected.

Sensor keeps for a hold time period after motion leaves

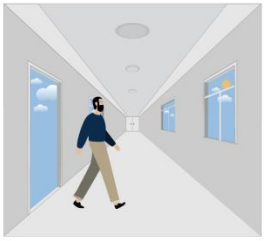


Sensor dims light to standby dimming level after hold time if there is still no motion

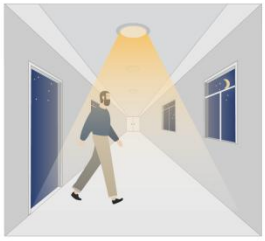


Sensor turns OFF light after standby period

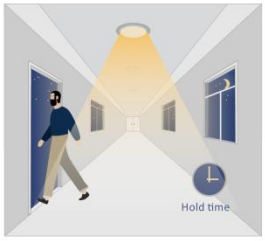
3. With Daylight Threshold



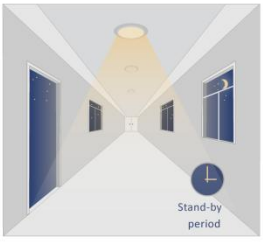
With sufficient daylight, the sensor keeps light OFF even motion gets detected



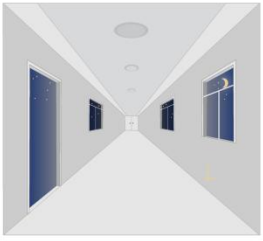
With insufficient daylight, the sensor turns light ON when motion gets detected



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 Os, sensor turns light OFF automatically after holdtime.



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

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PACKAGE

Pcs / Carton	Length	Width	Height	Net Weight	Gross Weight
120 pcs	15.7''	11.8''	9.3''	0.05kg / 0.11lbs	6.6kg / 14.5lbs

APPLICATION NOTES

1. Suitable for indoor application.
2. PIR sensor can't be placed inside any material, fresnel lens must completely exposed in air.
3. Not suitable for environment if there's sudden changed temperature of airflow for PIR sensor.
4. Not suitable for environment if there's blocking between the sensor and presence area.
5. Detection area options may NOT working obviously because it works depends on fresnel lens, it's physically defined.
6. Daylight testing delivered in bright day without shadow or specially designed lampshade or lens.
7. Dimming performance differs when connected to different drivers; If the driver can't completely turn OFF, sensor can't either.
8. Input power voltage must be stable with float less than 10%.