PRODUCT SPECIFICATION

PRODUCT— Highbay PIR Sensor

MODEL NO — HD406PIR

HAISEN®



Highbay PIR Sensor

HD406PIR

CE RoHS COMPLIANT

•Max installation height 12M •Supporting 4 different installations •Radius, 4-6M for detection distance •3 years warranty

On/Off Control

Detection Area

Daylight Sensor

3 years Warranty

Stand-by period

Stand-by dimming level

Hold Time

10-12M Highbay

Remote Control

Technical Data

Operating Voltage 220-240VAC,50Hz/60Hz	Sensitivity Setting 100%/75%/50%/25%	Mounting Height ≤12m/39.37ft Ceiling Mounted
Stand-by power ≤0.5W 230V	Hold Time 5s/30s/1min/30min/5min/10min/20min/30min	Detection Range Radius, 4-6m/13.12-19.68ft Ceiling Mounted
Control Method ON/OFF / 1-10V Dimming	Daylight Threshold 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable	Operating Temperature -20℃~+60℃
PIR Wave Length 5-14um	Stand-by Period 0s/10s/30s/1min/5min/10min/30min/+∞	Certificate ROHS CE
Peak Output Signal ≥3500mV	Stand-by dimming level 10%/20%/30%/50%	Remote HD03R
PIR Sensitivity ≥3200V/W	Detection Angle ≤120° Fresnel Lens	IP Rating IP65
Capacity 220V:400W Ballast or Incandescent, 200W Control Gear; 240V: 800W Ballast or Incandescent, 400W Control Gear		Warranty 3 Years

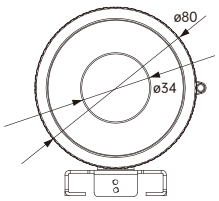
Wiring
EURO Version:Brown L, Blue N, Yellow L', Red DIM+, Black DIM-.

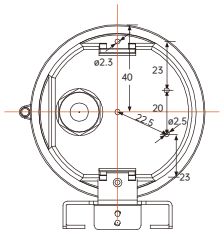
Factory Default Setting: Detection area 100%/ Hold time 5s/ Daylight threshold Disable/Stand-by period 0s/Stand-by dimming level 10%. Can be customized default programming.

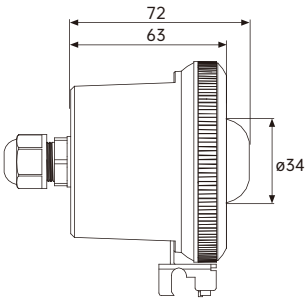
1. The test was done by a medium-size person, height 1.6M/ 5.25ft , weight 65kg/143lbs, walking speed about 0.5-1M/ 1.64-3.28ft per second.
2. The detection performance varies if detected from different orientations, please install the sensor in the correct way in case it didn't detect correctly.

HAISEN®

Mechanical structure

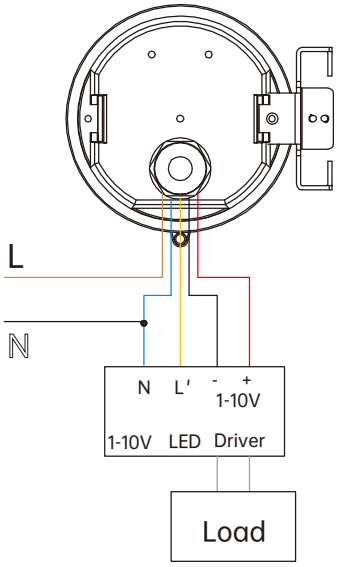






Wiring Diagram

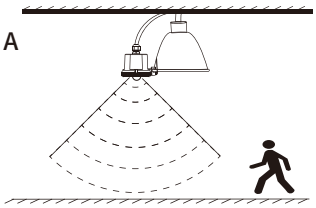
Shown-part length about 820mm



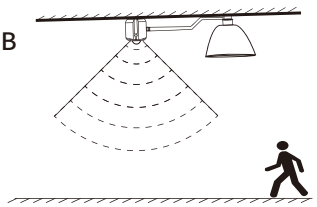
Brown L
blue N
Yellow L'
Red 1-10V+
Black 1-10V-

Installation Method Unit:mm

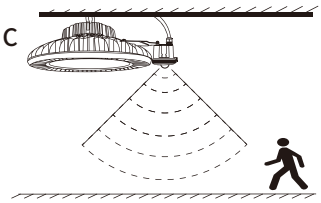
A



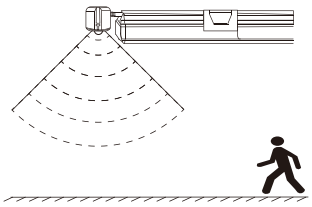
B

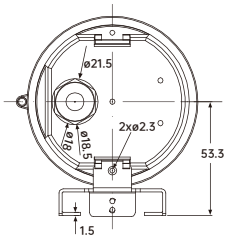


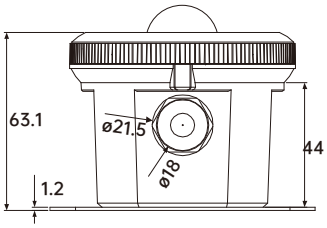
C

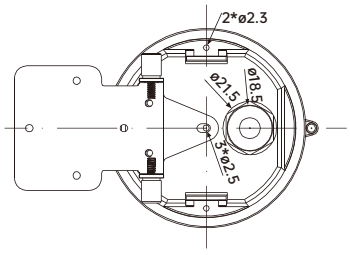


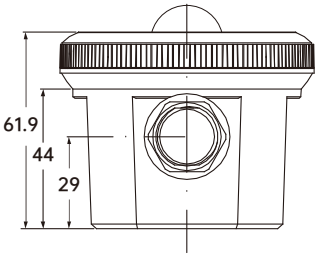
D



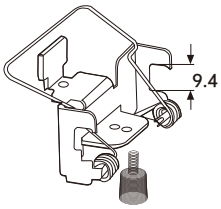




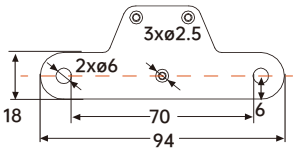




A

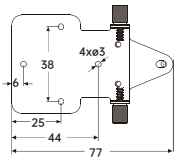


B



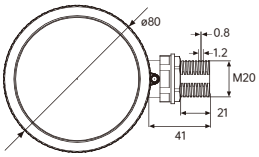
Screw		
	M6x25mm	x2

C

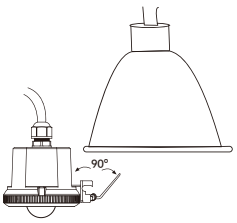


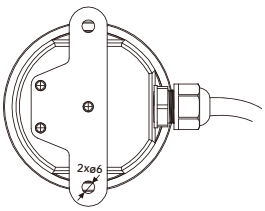
Screw		
	M3x25mm	x3

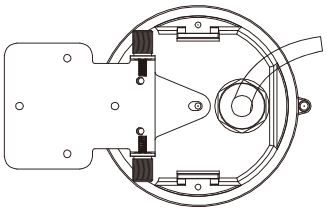
D

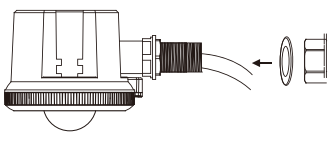


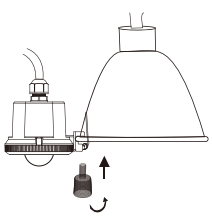
screw nut	Rubber pad	
		x2

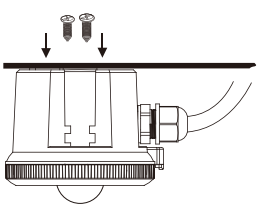


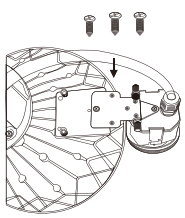


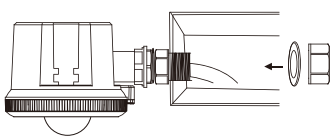








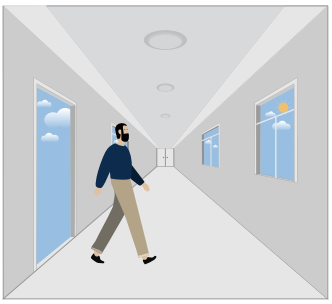




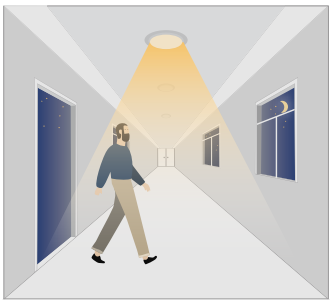
HAISEN®

Performance

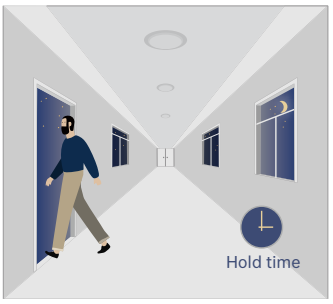
1.Automatically ON/OFF function



With sufficient daylight, even when motion detected, light remains OFF.



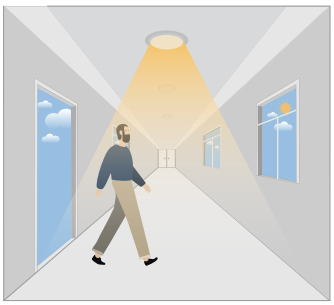
With insufficient daylight, the sensor turns light ON when motion gets detected.



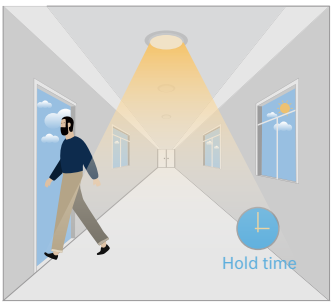
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

2.Daylight Disable

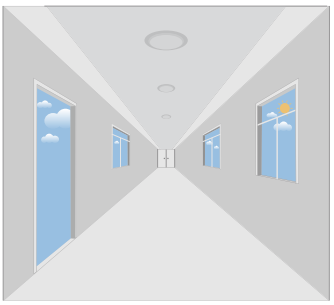
When daylight threshold is preset as "disable", the sensor turns light ON when motion gets detected, and OFF after holdtime.



The sensor turns light ON when motion gets detected.

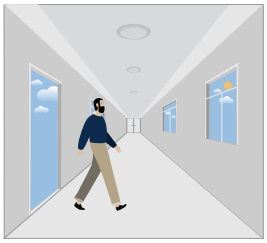


The sensor keeps light ON for holdtime period after motion leaves.

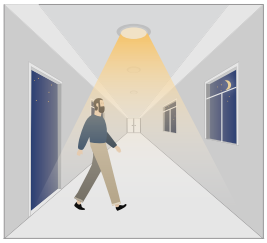


The sensor turns OFF light automatically after the holdtime.

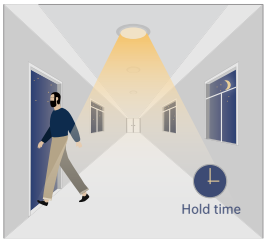
3.Corridor Function, Bi-level Dimmable



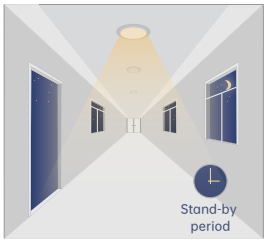
With sufficient daylight, the sensor keeps light OFF even motion gets detected.



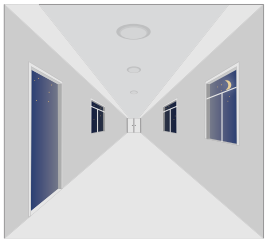
With insufficient daylight,
the sensor turns light ON when motion gets detected.



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



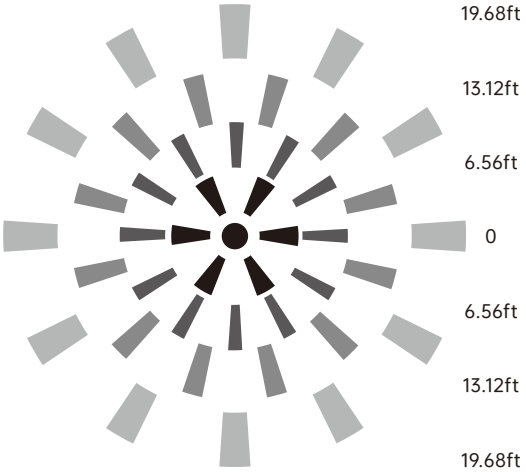
After holdtime, sensor dims light to standby dimming level for standby period.



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

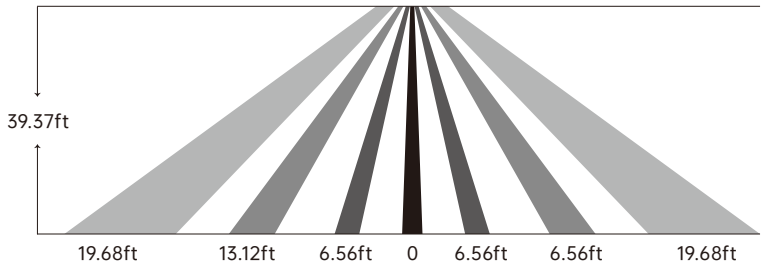
HAISEN®

Detection Patterns



Mounting Height
≤12m/39.37ft Ceiling Mounted

Detection Range
Radius, 4-6m/13.12-19.68ft Ceiling Mounted



Attention

1. Please read the instructions carefully before using this product and keep it well for all users to read at any time.
2. The sensor should be installed by qualified electrician and ensure power is off before the installation.
3. We reserve the right to modify any incorrect text, image and necessary technical parameters.
4. Any unauthorized modification is forbidden, otherwise all guarantees will be immediately invalid.

Installation precautions

1. Turn the power off at the circuit breaker before installing the sensor.
2. Do not allow bare wires to show; Make sure all connections are secure; Check all the gaskets for watertight fit.
3. Assemble any necessary mounting accessories.
4. Have the sensor's lens lower than edge of the fixture and keep the sensor away from heating part.

Application Environment

1. Do not mount it outdoor, in case the outdoor temperature disturbs it.
2. Do not have it at places with suddenly changed temperature or airflow.
3. Do not have shelves between sensor to the presence area.