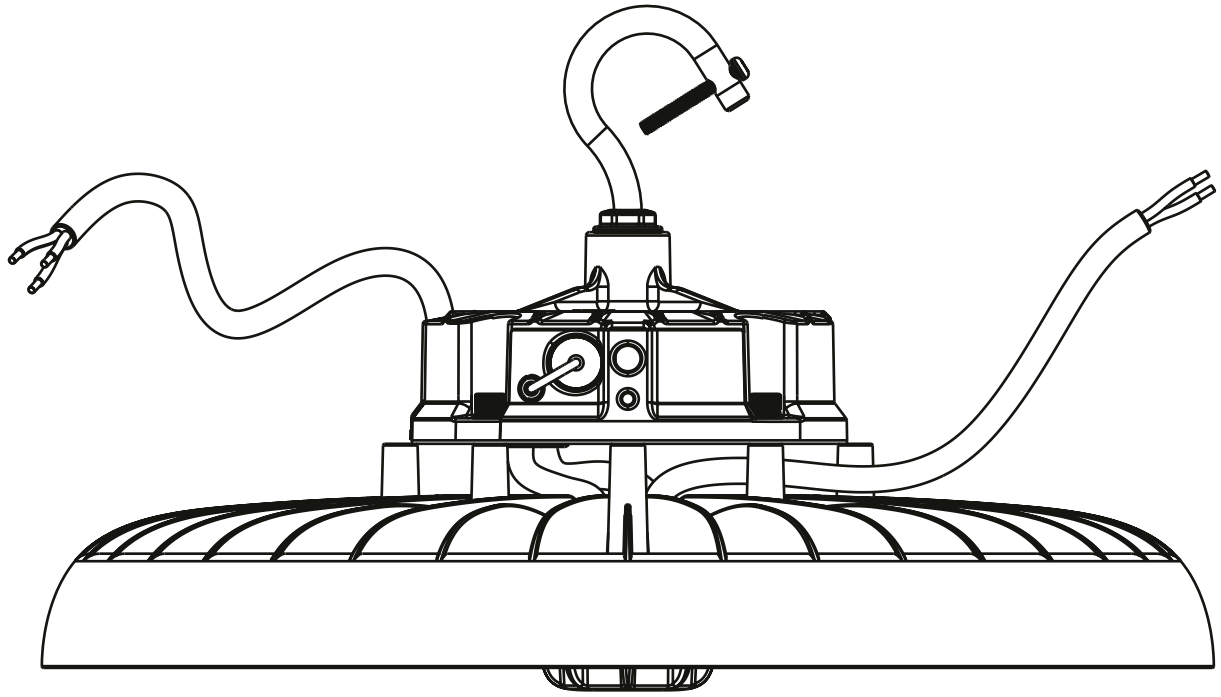
ART. NO.
102331-02-2
102335-02-2
102335-02-A-2
102333-02-2
102336-02-2
102334-02-2



Ufo U

INSTALLATION MANUAL

⚠ **Safety Notes**:

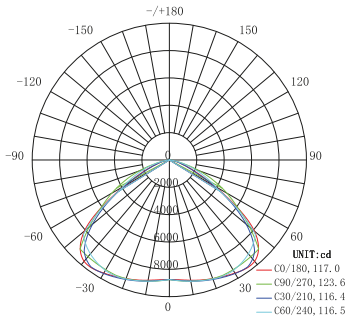
- The product must be installed, maintained, and operated as instructions below.
- Before starting installation of this product, make sure power supply is disconnected.
- Only to be installed by authorized electrician.
- Do not use abrasives or solvents when cleaning.
- Do not install the product if it appears damaged in any way. Check with manufacturer if in doubt.
- Do not modify this fitting in any matter as this will void warranty.
- Check protection class, if class I, it must be earthed.
- Disconnect power supply before maintenance or cleaning.

⚠ **Sikkerhetsinformasjon**:

- Følg installasjonsmanual for korrekt montering.
- Koble alltid fra strømmen før montering eller vedlikehold.
- Kan kun monteres av autorisert elektriker.
- Monter ikke produktet hvis det er synlig skade. Kontakt forhandler eller produsent.
- Bruk ikke løsemidler ved rengjøring
- Produktet skal ikke under noen omstendigheter endres eller modifiseres.
- Sjekk produktets isolasjonsklasse. Ved isolasjonsklasse I skal produktet jordes.

Distribution Diagram

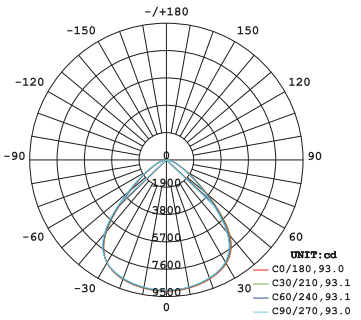
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):115.2 DEG

120deg

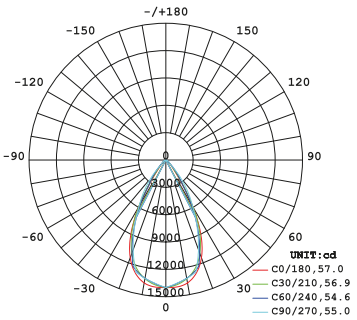
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):93.1 DEG

90deg

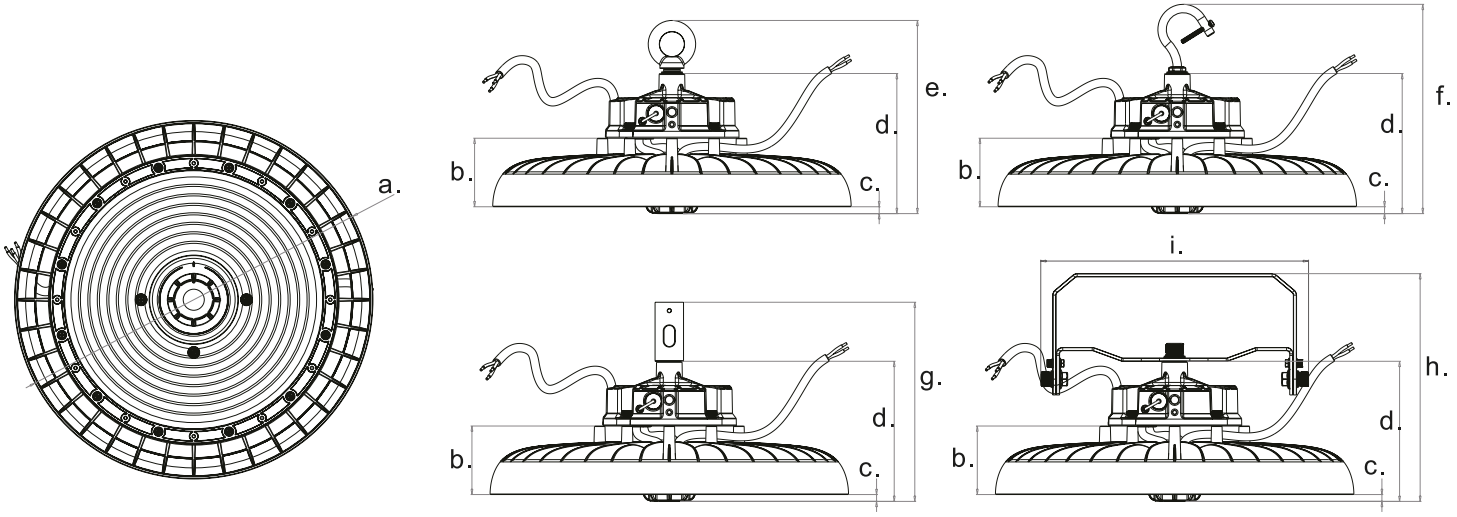
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):56.9 DEG

60deg

Dimension(Unit:mm/inch)



External convex with Microwave motion sensor: 12.0mm
External convex with PIR motion sensor: 23.0mm

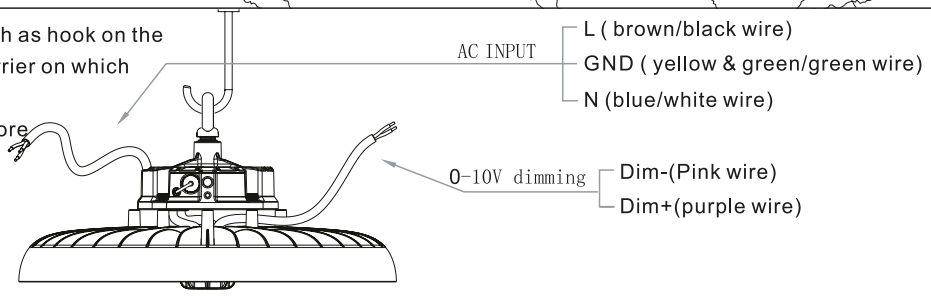
Identification	100W	200W
a.	260mm	340mm
b.	65mm	65mm
c.	6.5mm	6.5mm
d.	133mm	133mm
e.	183mm	183mm
f.	199mm	199mm
g.	189mm	189mm
h.	216mm	216mm
i.	254mm	254mm

Product Installation

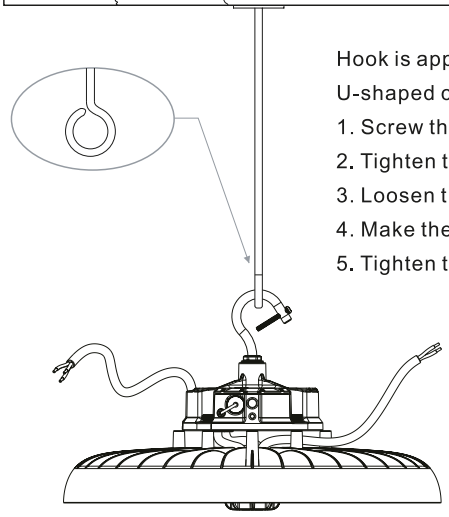
Suspendent ring installation

The lifting ring is applicable to pendant with opening such as hook on the ceiling, climbing button carabiner as well as pendant carrier on which an opening may be made.

1. Screw the lifting ring into the interface on light top before installation.
2. Tighten the auxiliary anti-falling screws at side of the interface.
3. Make the hook on the ceiling thread through the lifting ring and hang the light stably.
4. If the pendant has lock catch or anti-off device, they should be at effective state.



hook installation

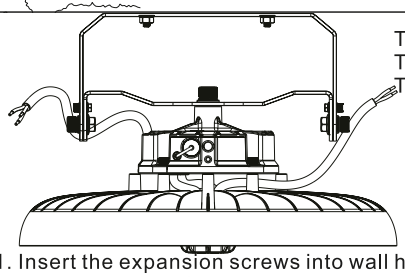


Hook is applicable to be installed on sealed ring structure or pipes such as sealing hook, U-shaped circle hook, steel pipes or other carriers.

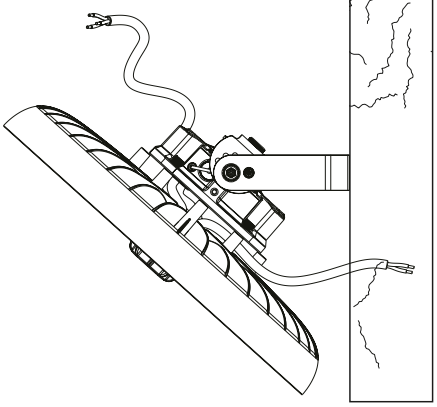
1. Screw the hook into the interface on light top before installation.
2. Tighten the auxiliary anti-off screws at side of the interface.
3. Loosen the sealing screws of the hook (the hook has an opening about 30mm).
4. Make the hook thread through the sealing ring and hang the light stably.
5. Tighten the sealing screws of the hook.

1.Use M10 hexagon socket head cap screws to fix the adaptor at top interface of the light.
2. If the wire goes through the pipe, thread the cable into pipe cavity from side hole of the adaptor.
3. Tighten the auxiliary anti-off screws at side of the interface.
4. Perform spiral connection between the threaded pipes and adaptor.
5. Tighten the auxiliary anti-slide screws on the adaptor.

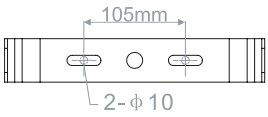
U Bracket Ceiling or Wall Installation



The U-shaped support is applicable to wall installation or ceiling installation.
The installation position should comply with the bearing requirements.
The following recommended size should be observed to open holes on the walls.



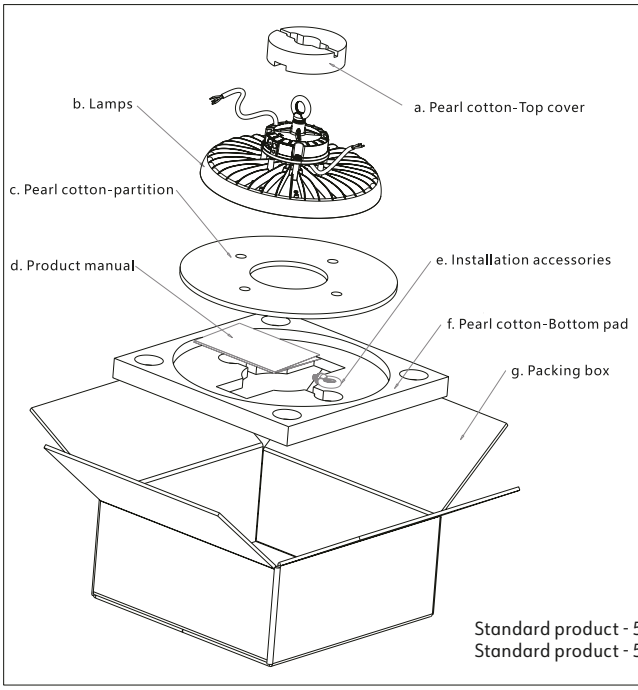
1. Insert the expansion screws into wall holes.
2. Make the head of expansion screws through installation hole of U-shaped support.
3. Tighten the expansion screws to make the support suck on the walls firmly.
4. Dismantle the auxiliary screws on two sides of the support and loose screws of the spindle slightly.
5. Rotate the support to suitable degree and replace auxiliary screws at two sides.



Recommended dimension of drilling hole

The power supply should be cut off during installation. If it is used in environment with vibration, the safety rope should be provided. In case of installation with lifting ring and hook, Can be extended by chain.Any installation mode should ensure that the carrier reaches effective bearing.
The bearing capacity is four times or above of the total hung weight at least.
The disconnection of power supply should be kept for 30 minutes at least for maintenance to prevent scalding by high heat.

Package information



Standard product - 5m AC input cable
Standard product - 5m AC dimming cable

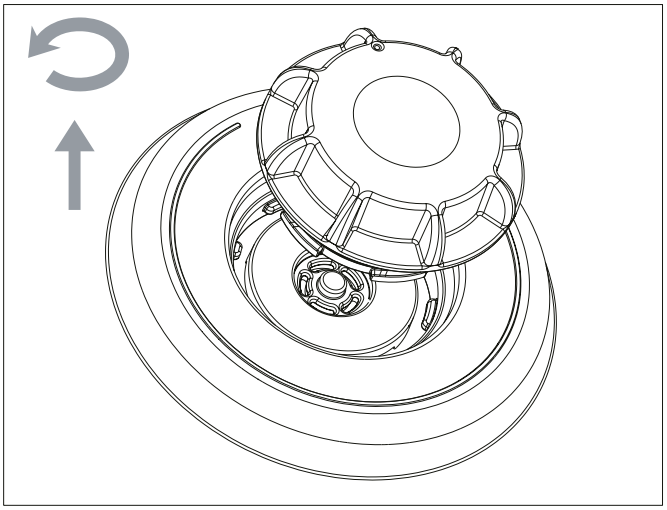
Power	100W	200W
AW- Net weight	2.00Kg	3.00Kg
AW- box dimension	310*310*180mm	385*385*180mm
AW- Pack Quantity	1pcs	1pcs
AW- Gross Weight	2.80Kg	4.20Kg

HV- Net weight	2.30Kg	3.80Kg
HV- box dimension	310*310*180mm	385*385*180mm
HV- Pack Quantity	1pcs	1pcs
HV- Gross Weight	3.10Kg	5 00Kg

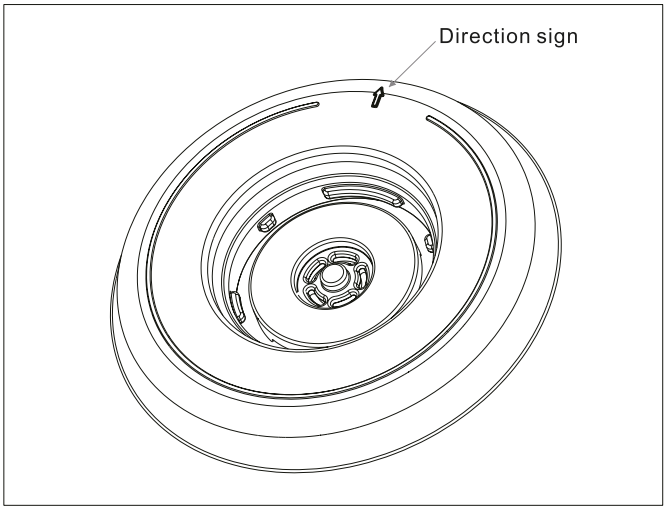
Identification	Quantity
a. Pearl cotton-Top cover	1pcs
b. Lamps	1pcs
c. Pearl cotton-partition	1pcs
d. Product manual	1pcs
e. Installation accessories	1pcs
f. Pearl cotton-Bottom pad	1pcs
g. Packing box	1pcs

Expansion module installation

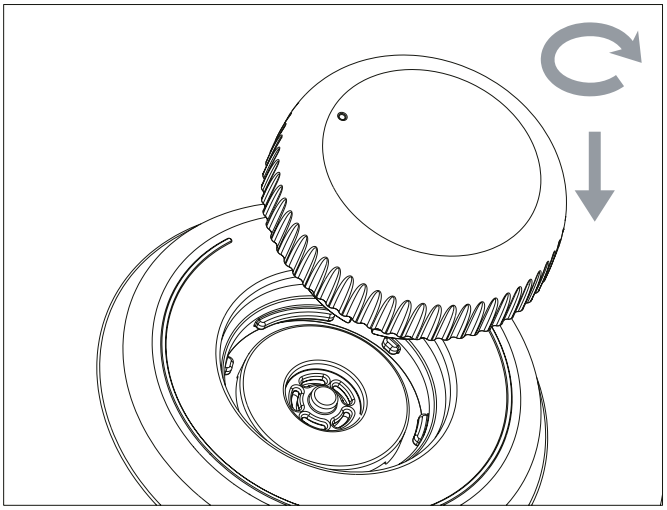
SENSOR PIR/MICROWAVE/NORLUX WIRELESS CONNECT



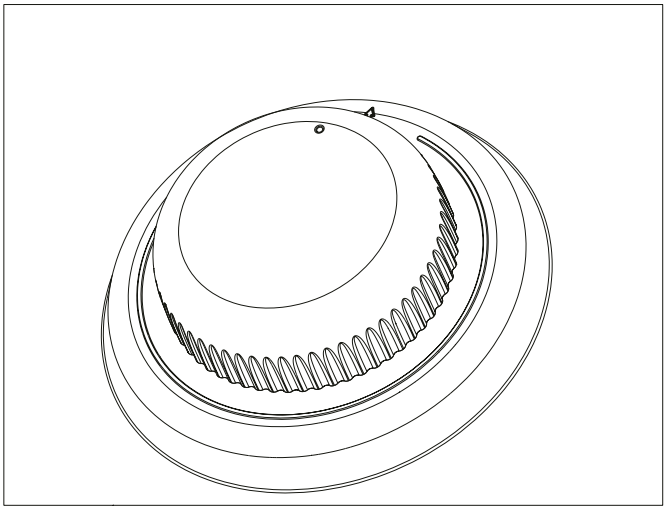
1. Rotate the sealing cover counterclockwise until it cannot be rotated. Pull it outward and remove the sealing cover



2. Please store the removed sealing cover for future use

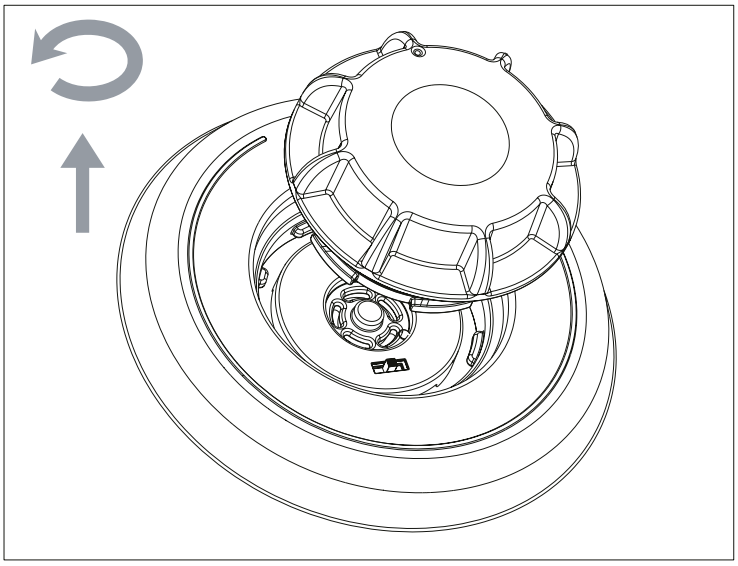


3. Place the plug part of the module on the expansion interface and find the only installation position through 360 ° rotation. When rotating to the correct position, the module will be embedded downward. You can also refer to the direction guide arrow, and then rotate clockwise to complete the installation. When it cannot rotate again, it is locked.

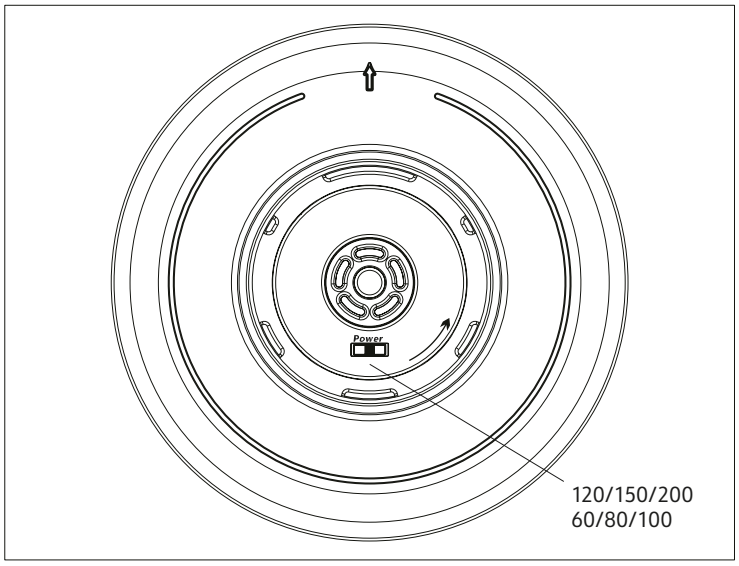


4. The installation should be carried out without power supply connected. Recheck and relevant test should be conducted after completion of installation.After the correct installation, the marking point of the module shall be in the same direction as the interface direction arrow

Dial setting POWER / EFFECT



1. Rotate the sealing cover counterclockwise until it cannot be rotated. Pull it outward and remove the sealing cover



2. Restore the sealing cover after commissioning

ACCESSORIES

4200-05	Ufo U & B - Safety wire 1,5m
4200-07-2	Ufo U & B - U-bracket BK
102330-03	Ufo U - Remote (sensor settings)
102330-01	Ufo U - Microwave Sensor
102330-02	Ufo U - PIR Sensor
102330-NW-04	Ufo U Norlux Wireless Jack base convertor

UFO U 200W

102335-60	Ufo U - Lens 60° - 200W
102335-90-2	Ufo U - Lampshade 90° - 200W BK

UFO 100W

102330-60	Ufo U - Lens 60° - 100W
102330-90-2	Ufo U - Lampshade 90° - 100W BK

102330-03	Ufo U - Remote (sensor settings)
102330-01	Ufo U - Microwave Sensor
102330-02	Ufo U - PIR Sensor
102330-NW-04	Ufo U Norlux Wireless Jack base convertor

Ufo U Microwave sensor

Art. nr. 102330-01

- Microwave Sensor for max 12M Height
- Bi-level Dimmable, Daylight Priority • Remote Control

On/Off Control

Detection Area

Daylight Sensor

5 years Warranty

Stand-by period

Stand-by dimming level

Hold Time

12M Highbay

Remote Control

Technical Data

Operating Voltage 10.5-15V DC <30mA 10.5-15V DC Curect Required<30mA	Programming HD05R HD05R Remote Control	Mounting Height Max.12m/39.37ft Max.12m/39.37ft Ceiling Mounted
Control Method DIM 0-10V	Detection Area 25%/50%/75%/100%	Detection Range Max,ø16m/52.49ft Max,ø16m/52.49ft Ceiling Mounted
Standby Consumption <30mA <30mA Power Consumption	Holdtime 5s/30s/1min/3min/5min/10min/20min/30min	Motion Detection 0.5~1m/s
Microwave Frequency 5.8GHz±75MHz	Stand-by Period 0s/10s/30s/1min/5min/10min/30min/60min+	Temperature -20°C~+60°C
Microwave Power <0.3mW	Stand-by Dimming Level 10%/20%/30%/50%	IP Rating Module
Daylight Threshold 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux/250Lux/300Lux/350Lux/400Lux/Disable		Warranty 5years

Daylight Priority Function

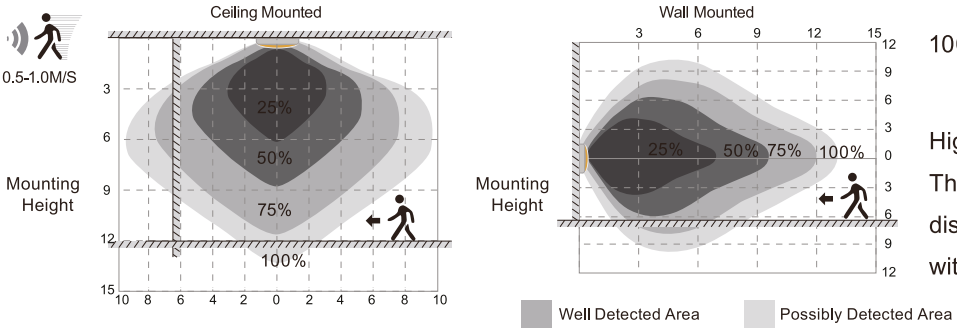
30Lux/50Lux/80Lux/120Lux/200Lux/250Lux/300Lux/350Lux/400Lux 10%/20%/30%

Daylight priority function works when daylight threshold perset as 30Lux/50Lux/80Lux/120Lux/200Lux/250Lux/300Lux/350Lux/400Lux, standby period as + and standby dimming level as 10%/20%/30%

100% , 5s , Disable / 0s/ 10%。— ≤2

Factory Default Setting: Detection area 100%/ Hold time 5s/ Daylight threshold Disable/Stand-by period 0s/ Stand-by dimming level 10%.Self-trigger less than or equal 2 times a night. Can be customized default programming.

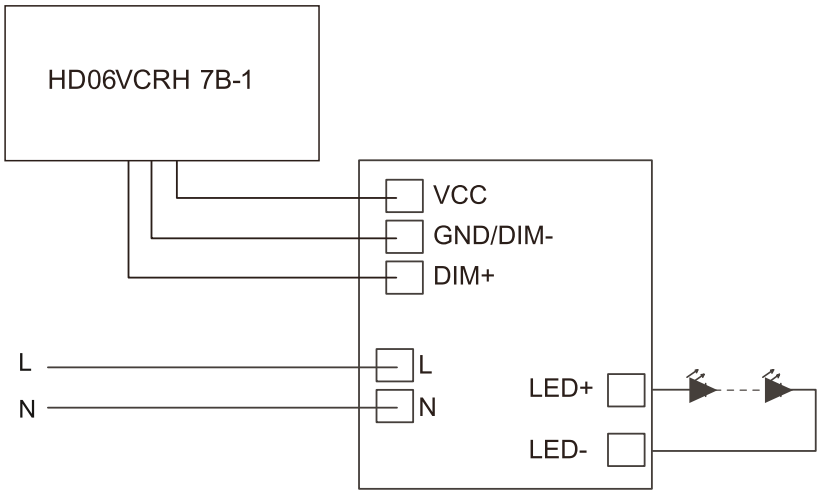
Detection Patterns



100%,75%,50%,25%

Highest mounting height is 12m
This figure indicates the maximum distance at the highest mounting height with 100%,75%,50%,25% sensitivity.

Wiring Diagram



Daylight Priority

Dusk/Dawn sensor:

Dual-PD technology brings a fully automatic dusk/dawn sensor which can tell the difference between natural light and LED light, to ensure the light will be off when needed.

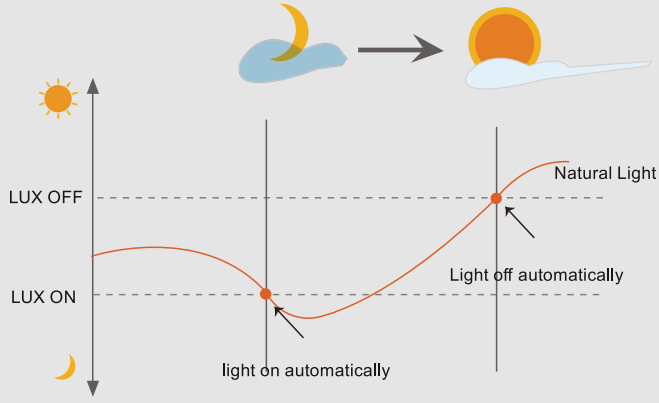
With Daylight priority function, is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Precondition of Daylight priority:

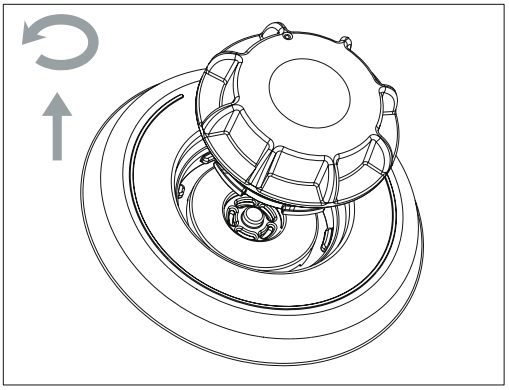
1. Standby period is + ∞;

2.Standby dimming level is on 10%, 20% or 30%;

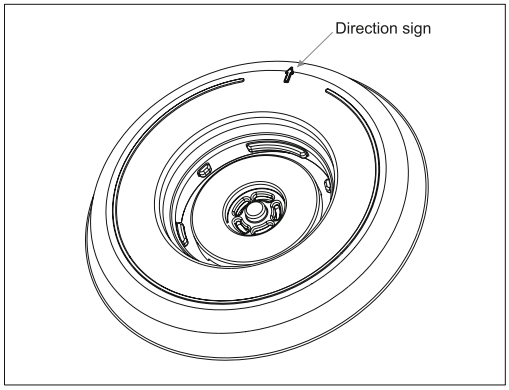
3. Daylight threshold is on 30Lux 50Lux/80Lux/120Lux/200Lux 250Lux/300Lux/350Lux/400Lux/Disable



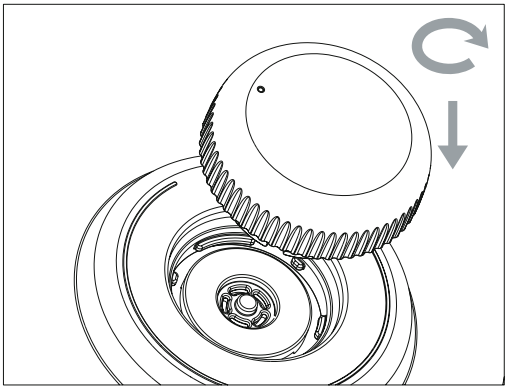
Installation



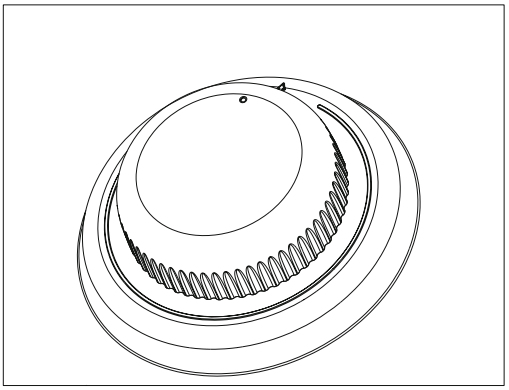
1. Rotate the sealing cover counterclockwise until it cannot be rotated. Pull it outward and remove the sealing cover



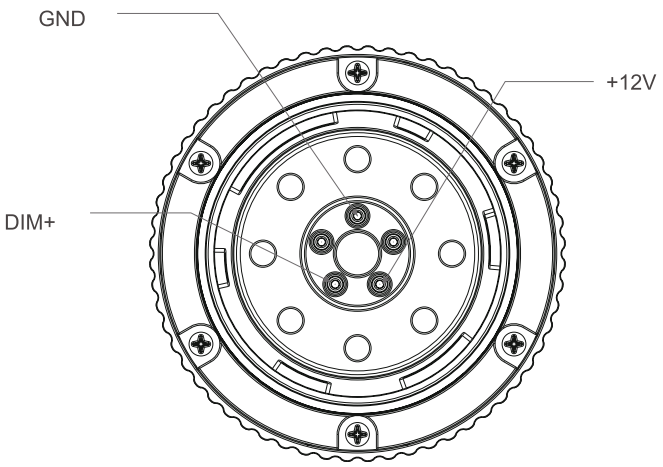
2. Please store the removed sealing cover for future use



3. Place the plug part of the module on the expansion interface and find the only installation position through 360 ° rotation. When rotating to the correct position, the module will be embedded downward. You can also refer to the direction guide arrow, and then rotate clockwise to complete the installation. When it cannot rotate again, it is locked.

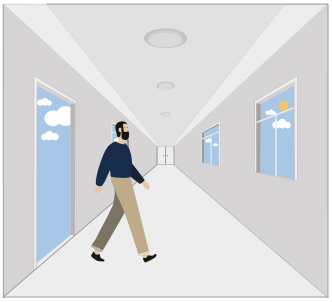


4. The installation should be carried out without power supply connected. Recheck and relevant test should be conducted after completion of installation.After the correct installation, the marking point of the module shall be in the same direction as the interface direction arrow

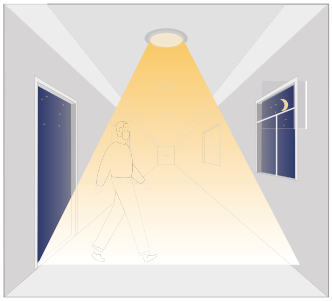


Performance

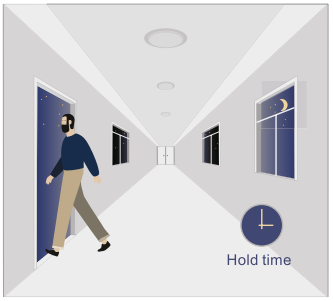
1.Automatically ON/OFF function



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



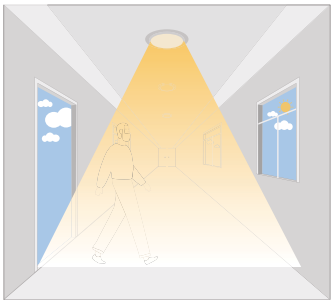
With insufficient daylight, the sensor turns light ON when motion gets detected.



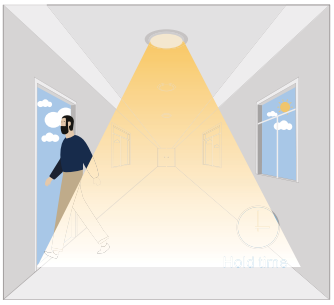
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

2.Daylight Disable

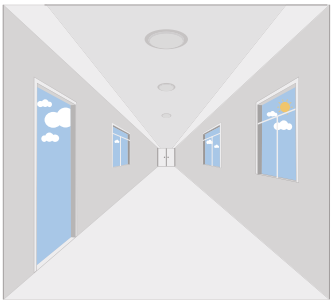
When daylight threshold is preset as "disable", the sensor turns light ON when motion gets detect - ed, and OFF after hold - time.



The sensor turns light ON when motion gets detected.

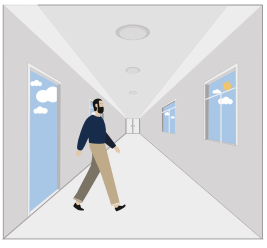


The sensor keeps light ON for holdtime period after motion leaves.

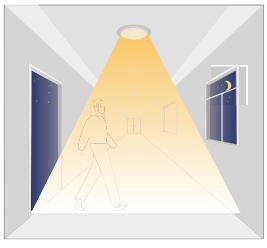


The sensor turns OFF light automatically after the holdtime.

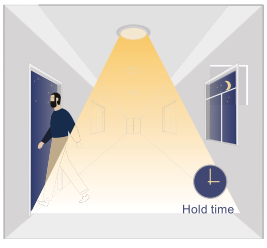
3.Corridor Function, Bi-level Dimmable



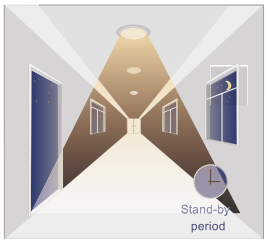
With sufficient daylight, the sensor keeps light OFF even motion gets detected.



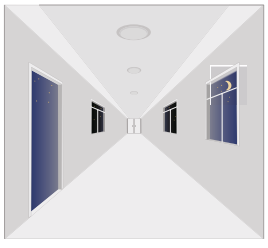
With insufficient daylight,
the sensor turns light ON when motion gets detected.



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.

SCREEN DISPLAY,
MEMORY & APPLY FUNCTION,
OPTIONAL SCENES

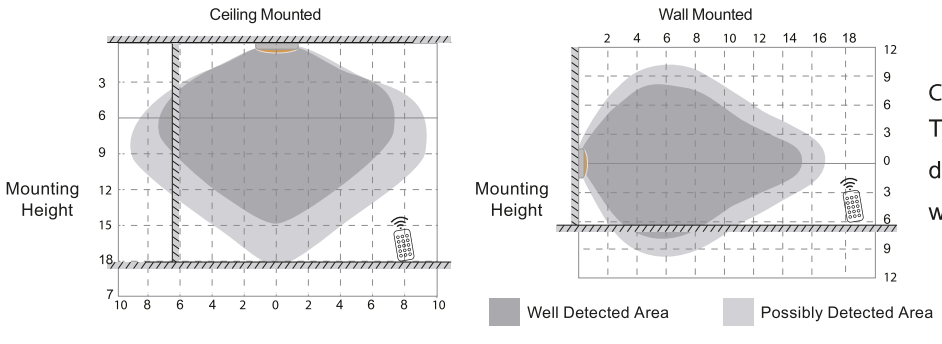
Briefing of Button Functions

Buttons	Function	Performance
	ON/OFF	Turn ON or OFF the sensor.
MW/PIR	MW/PIR	Exchange from Microwave detection to PIR detection, for future use.
Scene	Reset	Press it to start detection programming; before pressing any other buttons, the screen shows default programming (Detection Area 100%, Holdtime 5S, Daylight Disable, Standby Dimming 10%, Standby Period 0S)
Start	Start	Press it before you try to memorize program into the remote; After pressing it, S on the screen will blink and keeping blinking while making the program.
Memory	Memory	Press it after programming, the blinking S will become a solid M, thatmeans the program has been well memorized.
Apply	Apply	Press it to deliver the preset program to the specific sensors; every presswill make the whole screen blink gently.
	Detection area	Also known as "sensitivity", 100% means the highest sensitivity and longest distance. Press it, specific icon on the screen will blink and press the +- buttons to adjust.
	Hold time	The period that light will stay illuminated 100% after no motion's detected; Press it, specific icon on the screen will blink and press the +- buttons to adjust.
	Daylight Threshold	The preset lux level to compare with ambient brightness when motion gets detected; Press it, specific icon on the screen will blink and press the +- buttons to adjust.
	Stand-by period	The period after holdtime, during which the light keeps standby dimming level; Press it, specific icon on the screen will blink and press the +- buttons to adjust.
	Stand-by dimming level	After holdtime, the light will dim from 100% to optional standby dimming levels; Press it, specific icon on the screen will blink and press the +- buttons to adjust.
	UP	The main functional buttons to adjust the factors to wanted level.
	DOWN	
POWER %	POWER	Supports to manually change dimming output in detection mode; Press it, specific icon on the screen will blink and press the +- buttons to adjust.
Test 2s	Test mode	Supports to check if the sensor works correctly with a short 2S holdtime;Press it and the holdtime will change to 2S, and it can't be memorized.

Detection Patterns

*The distance of remote control is 18 meters when there is no sunlight interference indoors

Sensor & Intelligent Control



Control distance:15m
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

How to Use

1. SENSOR PROGAMMING

1. ON/OFF button to turn on the light

2. SCENE button to start programming

3. Choose functional button of detection area, see icon blinking on the LCD screen display then use + - buttons to change

4. Same programming with all the other functional buttons of holdtime ,standby dimming level, standby period and daylight threshold

5. Done and leave the remote.

* Icon keeps blinking on the screen for 5S that means the program will then be kept afte 5S.
*Each press will make sensor dim down light then back to100%, it means remote signal has been well received.

2. MEMORY AND APPLY

@the 1st sensor

1. ON/OFF button to turn on the light

2. SCENE button to start programming

3. START button

4. Choose functional button of detection area, see icon blinking on the LCD screen display then use + - buttons to change

5. Same programming with all the other functional buttons of holdtime ,standby dimming level, standby period and daylight threshold

6. MEMORY button

7. APPLY button

@the other sensors

1. ON/OFF button to turn on the light

2. SCENE button to start programming

3. APPLY button

3. MANULLY DIMMING

ON/OFF mode

1. ON/OFF button to turn on the light

2. Press +- button to dim light directly, it dims from 10% to 100%

DIMMING mode

1. ON/OFF button to turn on the light

2. SCENE button to start programming

3. POWER button

4. +- buttons to dim light, but it only dims from 60% to 100%; 50% is one of the standby dimming level options

* Number on LCD screen display may keep changing 10%-100%.

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. Microwave sensor can be installed in any lamp except the one with full metal shell.
2. The detected surface cannot be shielded by metal objects.
3. Make sure the microwave module is completely exposed outside.
4. The detection surface of the sensor module shall be installed facing the detection area.
5. Should be kept away from the driver to avoid interference genera tion and lamp flashing.
6. Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.

Application Environment

1. Suitable for indoor installation to avoid false triggering due to exter nal factors such as rain, wind or tree swing.
2. Shall not be installed in the place with all four metal shelters and small space (such as galvanized-iron roof).
3. Shall note be mounted installation, so as to avoid false trigger caused by the lamp itself shaking.
4. Shall not be installed next to large operating machines such as venti lator/ceiling fan to avoid false triggering caused by machine vibration.

User Notes

1.Microwave can penetrate walls or glass thinner than 20mm and attenuate if thicker than 20mm.
2. The driver voltage shall be stable and float within 10%.
3. Detection area will be affected by speed of motion, mounting height and movement volume.
4. Conduct test on sunny days without the lampshade which will affect the tested lux value.