Cibay II High Bay Light CE Type

CB2-xxx-AW-yy-z01/z03

| LED Epistar SEOUL | LM-80 | CRI >80 | 130 lm/w | 120° | 90° | 45° | 1-10V Dimmers | Microwave sensing | MW MEAN WELL | Vac 100-240 | Emergency | PF ≥0.9 | Patented | Original design | CE | RoHS | IP 65 | Warranty 5 years |
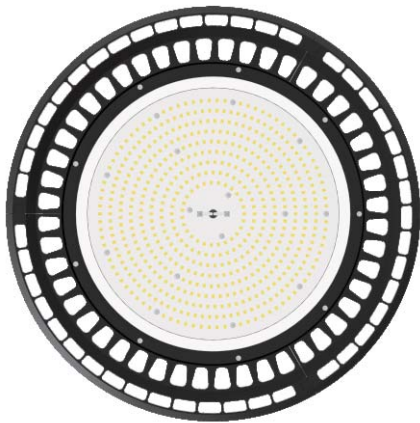
Description:

The light is designed without lampshade, small and thin lampbody, smooth lines, attractive appearance. The lampbody adopt die-casting aluminum,professional cooling channel with excellent cooling performance. The light adopt toughened glass to improve impact-resistance capacity. Adopt Meanwell HBG round power supply,beautiful and simple, the LEDs have high lighting effect up to 130 lm/W. IP65 waterproof level,suitable for both indoor and outdoor use.

Feature：

1.The light is designed without lampshade, simple lampbody and it is suitable for commercial and industrial lighting for its simple shape;

2.Adopt waterproof structure design,waterproof level up to IP65;

3.Aluminum profile+toughened glass, high impact-resistance;

4.LEDs are circularly arranged in symmetric,heat source are efficiently distributed in balance;

5.High lighting effect of LEDs up to 130LM/W;

6.CRI ≥80, good color rendering performance;

7. Compact appearance, easy to install and transport;

8.Multiple installation methods for option: suspendent installation,suspended hook installation ;
 wall installation or ceiling installation with U-shape rotating bracket;

9.indoor slight corrosion-proof grade;Application environment -20~40℃

10.5 years warranty.

Technical parameters:

Model	CCT	Lumen(lm) (±10%)	Beam (angle°)	LED Qty.	Power (±10%)	Voltage, Frequency	CRI	PF
CB2-100-AW-W-01/D01/S01/E01/F01/G01/R01	5500-6500K	12950	120°	210pcs	100 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-100-AW-NW-01/D01/S01/E01/F01/G01/R01	4000-4500K	12580						
CB2-100-AW-WW-01/D01/S01/E01/F01/G01/R01	2700-3200K	11370						
CB2-150-AW-W-01/D01/S01/E01/F01/G01/R01	5500-6500K	19370	120°	336pcs	150 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-150-AW-NW-01/D01/S01/E01/F01/G01/R01	4000-4500K	18820						
CB2-150-AW-WW-01/D01/S01/E01/F01/G01/R01	2700-3200K	17030						
CB2-200-AW-W-01/D01/S01/E01/F01/G01/R01	5500-6500K	26060	120°	420pcs	200 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-200-AW-NW-01/D01/S01/E01/F01/G01/R01	4000-4500K	25320						
CB2-200-AW-WW-01/D01/S01/E01/F01/G01/R01	2700-3200K	22800						
CB2-240-AW-W-02/D01/S01/E01/F01/G01/R01	5500-6500K	31200	120°	546pcs	240 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-240-AW-NW-01/D01/S01/E01/F01/G01/R01	4000-4500K	30320						
CB2-240-AW-WW-01/D01/S01/E01/F01/G01/R01	2700-3200K	28070						
CB2-100-AW-W-03/D03/S03/E03/F03/G03	5500-6500K	12950	120° 90° 45°	224pcs	100 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-100-AW-NW-03/D03/S03/E03/F03/G03	4000-4500K	12580						
CB2-100-AW-WW-03/D03/S03/E03/F03/G03	2700-3200K	11370						
CB2-150-AW-W-03/D03/S03/E03/F03/G03	5500-6500K	19370	120° 90° 45°	350pcs	150 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-150-AW-NW-03/D03/S03/E03/F03/G03	4000-4500K	18820						
CB2-150-AW-WW-03/D03/S03/E03/F03/G03	2700-3200K	17030						
CB2-200-AW-W-03/D03/S03/E03/F03/G03	5500-6500K	26060	120° 90° 45°	392pcs	200 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-200-AW-NW-03/D03/S03/E03/F03/G03	4000-4500K	25320						
CB2-200-AW-WW-03/D03/S03/E03/F03/G03	2700-3200K	22800						
CB2-240-AW-W-03/D03/S03/E03/F03/G03	5500-6500K	31200	120° 90° 45°	476pcs	240 Emergency Power 20w 1.5H 30w 1.5H 45w 1.5H 60w 1.5H Customized	AC100-240V 50/60Hz	>80	≥0.9
CB2-240-AW-NW-03/D03/S03/E03/F03/G03	4000-4500K	30320						
CB2-240-AW-WW-03/D03/S03/E03/F03/G03	2700-3200K	28070						

* 01: Normal series
* D01: 0-10V dimming series
* S01: Microwave sensing series
* E01: Normal series+Emergency
* F01: 0-10V dimming series+Emergency
* G01: Microwave sensing series+Emergency
* R01: with remote control Motion Sensor

* 03: Normal series(Matching lens)
* D03: 0-10V dimming series(Matching lens)
* S03: Microwave sensing series(Matching lens)
* E03: Normal series+Emergency(Matching lens)
* F03: 0-10V dimming series+Emergency(Matching lens)
* G03: Microwave sensing series+Emergency(Matching lens)

**If you won't plan to purchase lens separately to replace toughened glass,
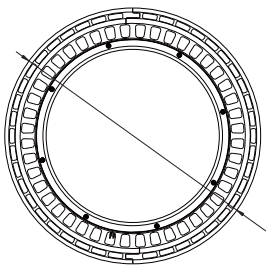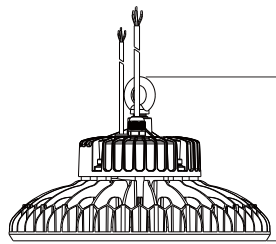1 2 0° of z03 series is not recommended**

Application:

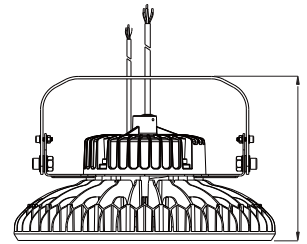Suitable for large workshop, basement, warehouse, parking lot,etc.

Dimension(Unit:mm/inch):
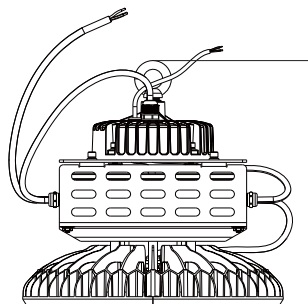

100/150w：φ320mm/12.59''
200/240w：φ400mm/15.74''

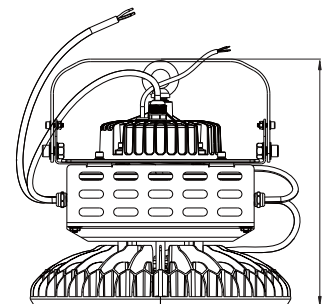100w：186mm/7.32''
150w：196mm/7.72''
200/240w：224mm/8.82''

100/150w：207mm/8.15''
200/240w：214mm/8.43''
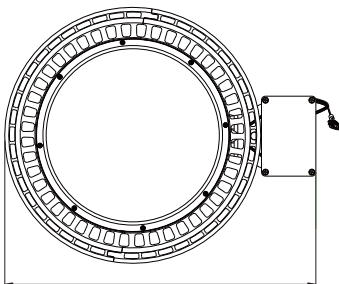
100/150w：388mm/15.28''
200/240w：φ468mm/18.43''

100w：301mm/11.26''
150w：296mm/11.65''
200/240w：324mm/12.76''

100/150w：304mm/11.97''
200/240w：311mm/12.24''

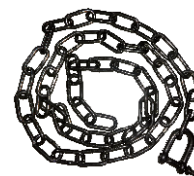# Accessories series

suspended ring	suspended hook	U bracket	Safety rope	Iron chain

Lampshade	PC lens	Frosted glass(fabric cloth)	Microwave sensor	T9 tool

Parts specification

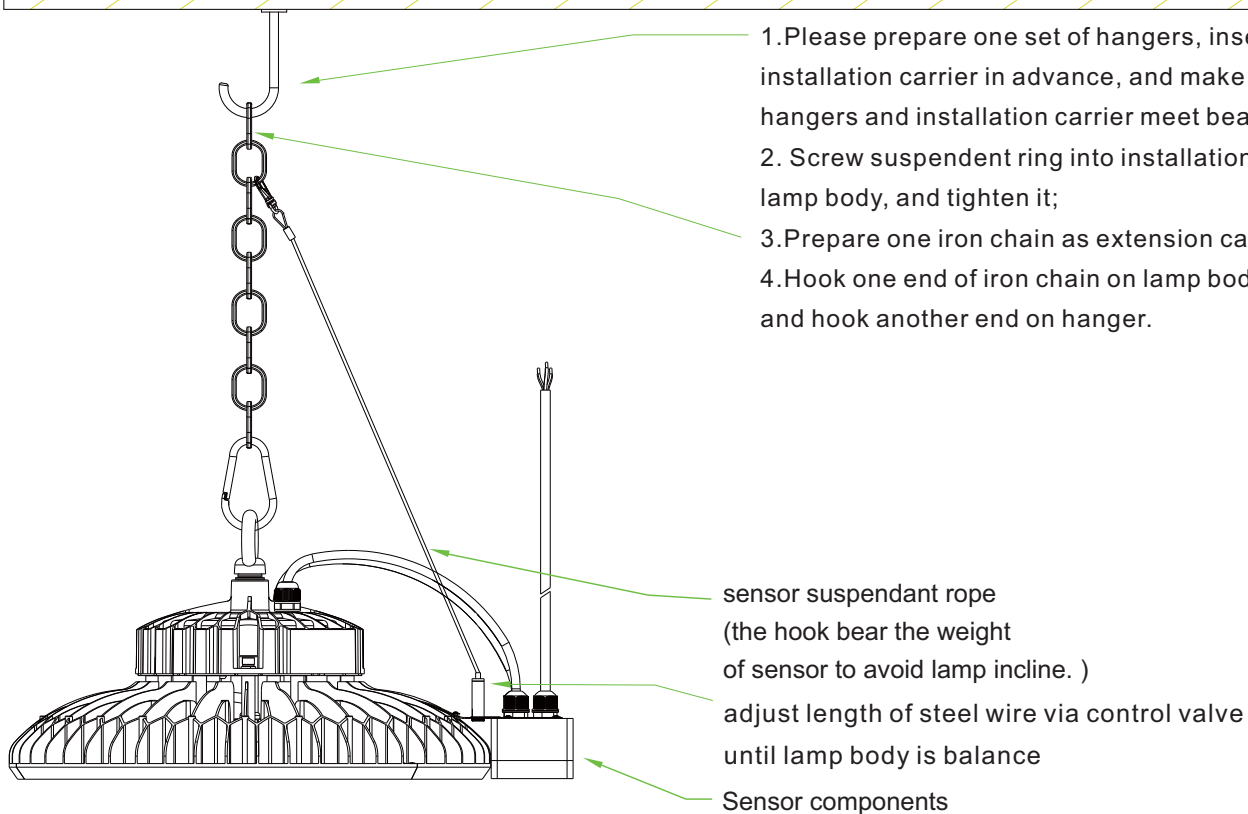| Name	Part coding	Outer carton dimension	Main material	Application scope
suspended ring (100-150W)	695-01-0502-347	340*340*230mm/50pcs	cast iron	CB2-100~150-AW-W/NW/WW-zyy
suspended ring (200-240W)	695-01-0502-348	340*340*230mm/50pcs	cast iron	CB2-200~240-AW-W/NW/WW-zyy
T9 tool	695-01-0502-409	As the case may be	high speed steel	CB2-100~240-AW-W/NW/WW-zyy
U-shape bracket (100-240W)	695-01-0502-352	620*310*200mm/10pcs	Cold rolled steel	CB2-100~240-AW-W/NW/WW-zyy
suspended hook(100-150w)	695-01-0502-349	340*340*230mm/50pcs	cast iron+ adc12	CB2-100~150-AW-W/NW/WW-zyy
suspended hook(200-240w)	695-01-0502-350	340*340*230mm/50pcs	cast iron+ adc12	CB2-200~240-AW-W/NW/WW-zyy
Microwave sensor (100-240W)	695-01-0502-357	340*340*230mm/12pcs	SUS304+Plastic	CB2-100~150-AW-W/NW/WW-Dyy
Microwave sensor (100-240W)	695-01-0502-358	340*340*230mm/12pcs	SUS304+Plastic	CB2-200~240-AW-W/NW/WW-Dyy
Lampshade (80deg/100-150W)	695-01-0502-387	As the case may be	1070 aluminum	CB2-100~150-AW-W/NW/WW-zyy
Lampshade (80deg/200-240W)	695-01-0502-388	As the case may be	1070 aluminum	CB2-200~240-AW-W/NW/WW-zyy
Lens (45/90deg/100-150W)	695-11-0914-005	265*265*230mm/12pcs	PC	CB2-100~150-AW-W/NW/WW-zyy
Lens (45/90deg/200-240W)	695-11-0914-006	315*315*230mm/12pcs	PC	CB2-200~240-AW-W/NW/WW-zyy
Frosted glass(100-150W)	695-02-0014-002	265*265*230mm/40pcs	Toughened glass	CB2-100~150-AW-W/NW/WW-zyy
Frosted glass(200-240W)	695-02-0014-004	315*315*230mm/40pcs	Toughened glass	CB2-200~240-AW-W/NW/WW-zyy
Safety rope(1.5m)	695-06-0028-002	As the case may be	SUS304	CB2-100~240-AW-W/NW/WW-zyy
Iron chain (1.5m)	695-06-0028-003	340*340*230mm/40pcs	SUS304	CB2-100~240-AW-W/NW/WW-zyy
Iron chain (1.0m)	695-06-0028-007	340*340*230mm/40pcs	SUS304	CB2-100~240-AW-W/NW/WW-zyy

Installation :

Suspendent ring ,suspendent installation

1.Please prepare one set of hangers, insert them into installation carrier in advance, and make sure the hangers and installation carrier meet bearing requirement;

2. Screw suspendent ring into installation position of lamp body, and tighten it;

3.Hook the lamp body on reserved hanger via suspendent rings;

AC INPUT

L (brown／black wire)
L1 (yellow/red wire,Emergency)
N (blue／white wire)
GND (yellow&green/green wire)

1-10V dimming

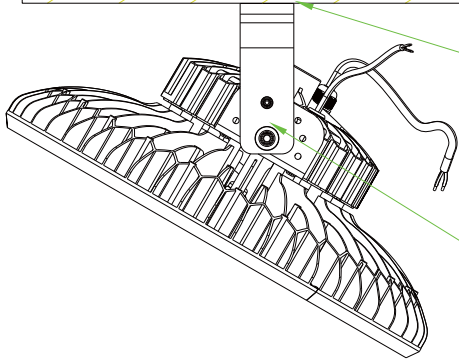Dim- (white /gray   wire)
Dim+ (blue/purple   wire)
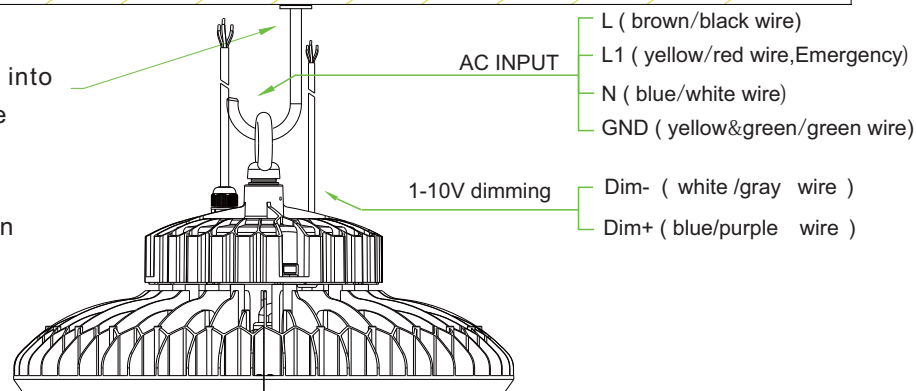
Installation with suspendent chain

1.Please prepare one set of hangers, insert them into installation carrier in advance, and make sure the hangers and installation carrier meet bearing requirement;

2. Screw suspendent ring into installation position of lamp body, and tighten it;

3.Prepare one iron chain as extension carrier;

4.Hook one end of iron chain on lamp body, and hook another end on hanger.

sensor suspendant rope
(the hook bear the weight
of sensor to avoid lamp incline.)

adjust length of steel wire via control valve
until lamp body is balance

Sensor components

U-shape rotating bracket ceiling or wall installation

1.Prepare two sets of installation bolt, and drill two holes with ≤ φ10mm in advance,and ensure the installation body conform to bearing requirement;

2.Screw installation bolt into installation hole of lamp installation bracket, and tightening it;

3.Slightly loose fixing screws of bracket, and rotate lamp body to suitable installation angle;

4.Tightening bracket screws, at the same time tightening auxiliary anti-skid screw.

### Recommend drilling hole dimension

105mm

2- φ10
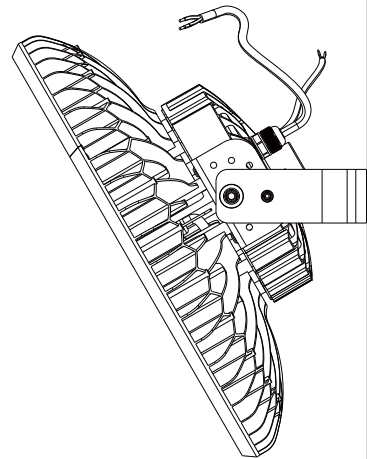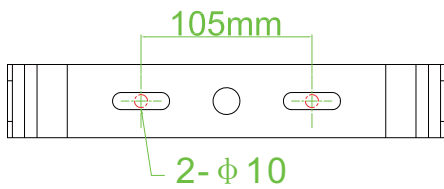
Motion-sensing Function

The Cibay high bay Lighting with sensor is innovative and active motion detectors with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials. except the higher mounting height 15m Max.
Combination with 1-10V dimmable LED drivers , Cibay high bay Lighting with sensor can achieve 3-step dimming function, which is perfect for use in some areas that requires a light change notice before totally switch off.
When enable the built-in adjustable daylight sensor, it can read brightness value, the sensor do not switch on the light if with sufficient natural light.
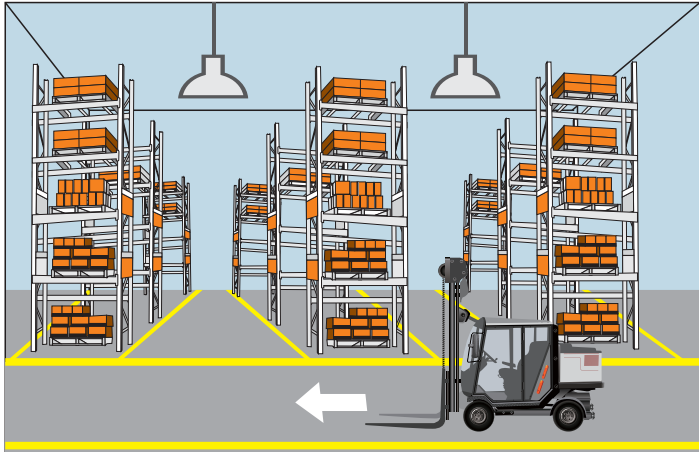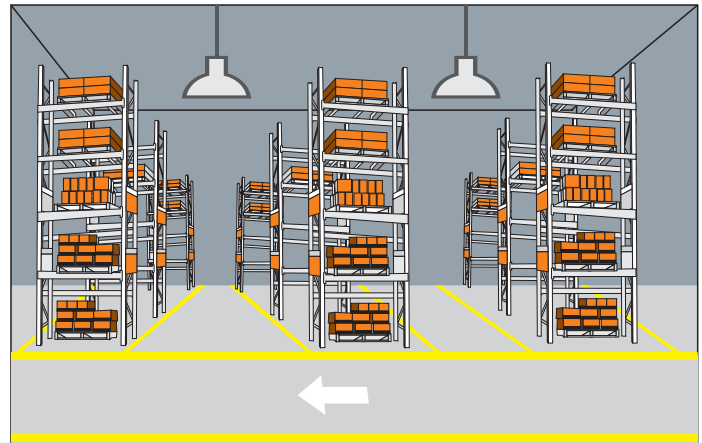

With sufficient ambient light, the sensor does not switch on the lamp.
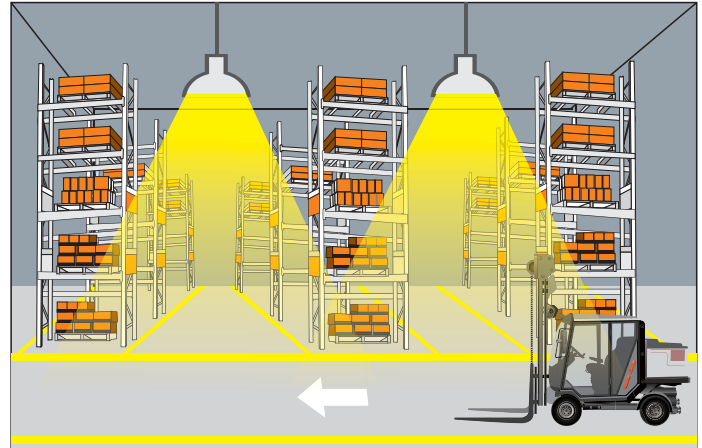
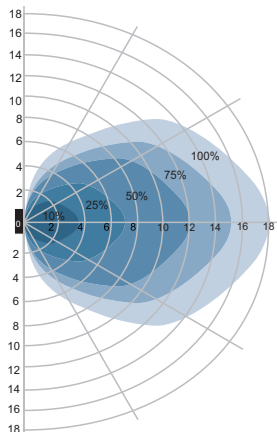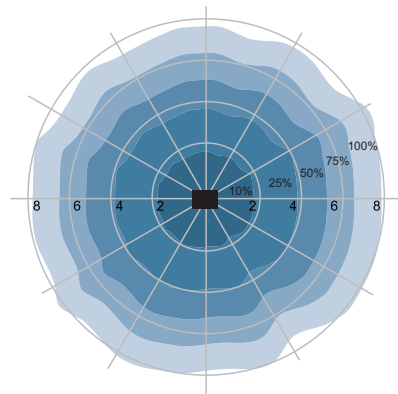With insufficient ambient light, the sensor switch on the lamp when motion is detected.
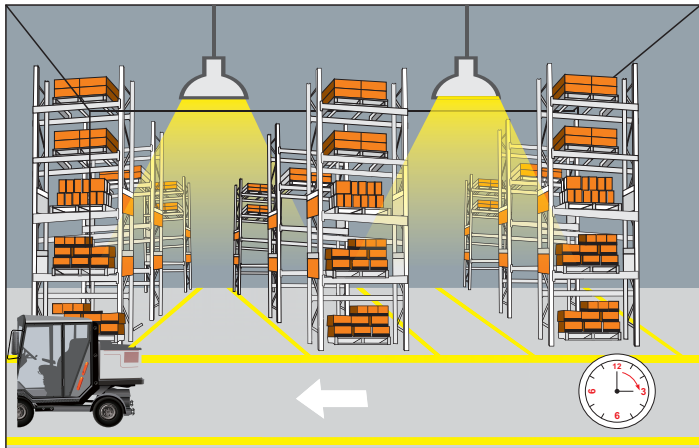
After hold time, the sensor dims the lamp at a low light level if no new motion trigger.

After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

Wall mounting pattern (Unit: m)
Suggested installation height: 1-2m

Ceiling mounting pattern (Unit: m)
Suggested installation height: 3-10m

Sensor function setting

Work light (Green LED on)
100-277V input
100-277V output control
Daylight sensor
Sync
Antenna module
+ − 1~10V
Detection area
Hold-time
Standby period
Daylight threshold
Stand-by dimming level

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.
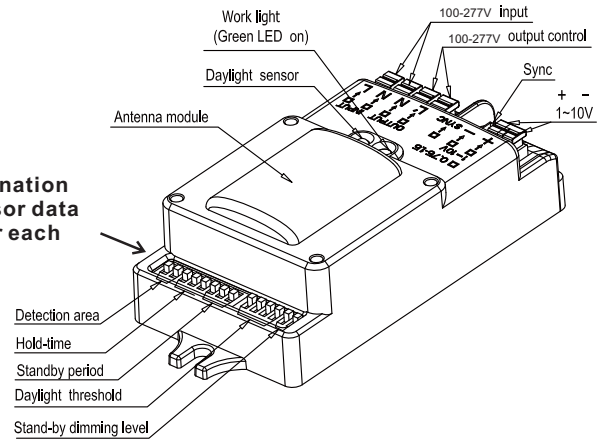
	1	2	
I	ON	ON	100%
II	ON	−	75%
III	−	ON	50%
IV	−	−	10%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.
Factory setting: 100%

	3	4	5	
I	ON	ON	ON	5s
II	−	ON	ON	30s
III	ON	−	ON	90s
IV	−	−	ON	3min
V	ON	ON	−	20min
VI	−	−	−	30min

Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.
Factory setting: 3min

	6	7	8	
I	ON	ON	ON	0s
II	−	ON	ON	5s
III	ON	−	ON	5min
IV	−	−	ON	10min
V	ON	ON	−	30min
VI	−	ON	−	1h
VII	−	−	−	+∞

Stand-by period

Refers to the time period the lamp remains at a pre-setting -dimming level before it completely switches off in the long absence of people
Factory setting: 1min

	1	2	3	4	
I	−	−	ON	ON	2Lux
II	−	−	−	ON	5Lux
III	−	ON	ON	−	10Lux
IV	−	−	ON	−	25Lux
V	−	ON	−	−	50Lux
VI	ON	−	−	−	100Lux
VII	−	−	−	−	Disable

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient level. Note that daylight sensor is active only when lamp totally switches off.
Factory setting: Disable

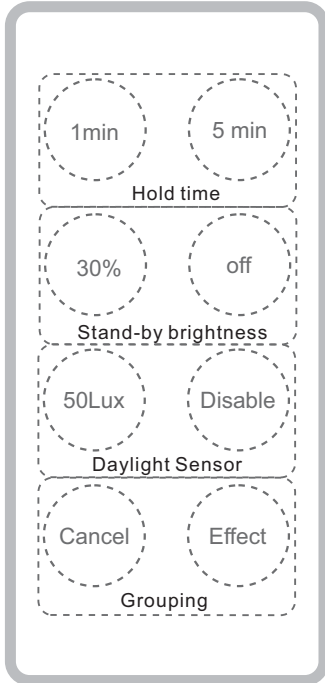|	5	6	
I	ON	ON	50%
II	−	ON	30%
III	ON	−	20%
IV	−	−	10%

Stand-by dimming level

This is the pre-sett ing dimm ing level you wou ld like to have after the ho ld time in the lon g absence of people.
Factory setting: 20%

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Tel:+86-755-27608650   Fax:+86-755-27608651   sales@signcomplex.com
Yijia Industrial Park, Fuqian Road, Guanlan Town, Baoan, Shenzhen, Guangdong, China
P8

Remote controller

Application function set of the lamp is operated and finished by matched wireless remote controller. Power on lamp to be set, press the corresponding key on remote controller, the success fully set lamp will flicker once.

1min	5 min
Hold time	
30%	off
Stand-by brightness	
50Lux	Disable
Daylight Sensor	
Cancel	Effect
Grouping	

Remote Controller

Holding time
Refers to the time period the lamp remains at 100% illumination after no motion detected.
**Factory setting:1min**

The low light level you would like to have after the hold time in the stand-by state.
Factory setting:30%

Daylight Sensor
The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness(50Lux) threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regard less of ambient light level.
**factory setting: Disable**

Grouping
The lamp integrate wireless transceiver, within the RF wireless transmission reach (30m radius indoor and 50m radius in open areas), they can communicate and connect with each other.Establish groups with remote controller, once anymotion is detect, the motion signal will be transmitted to any other members, and all these lamps synchronously switch on.
Factory setting: Cancel

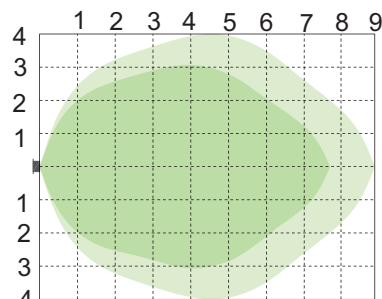RF wireless transmission distance
20/50m
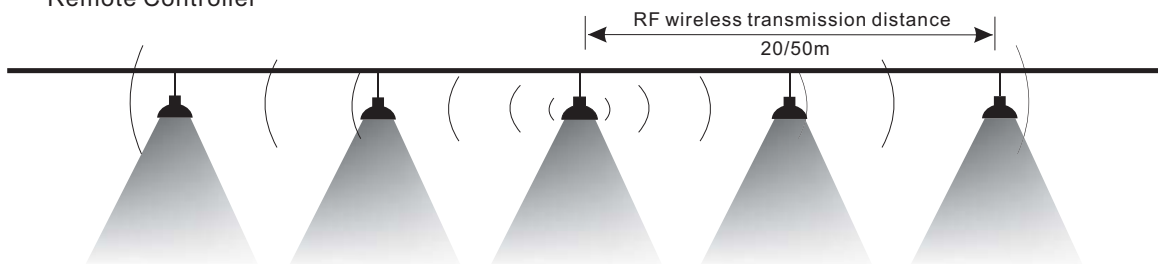
Detection zone

■ high sensitivity zone   ■ low sensitivity zone
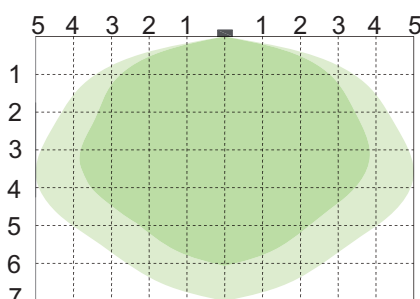
ceiling installation（m）
suggested installation height:
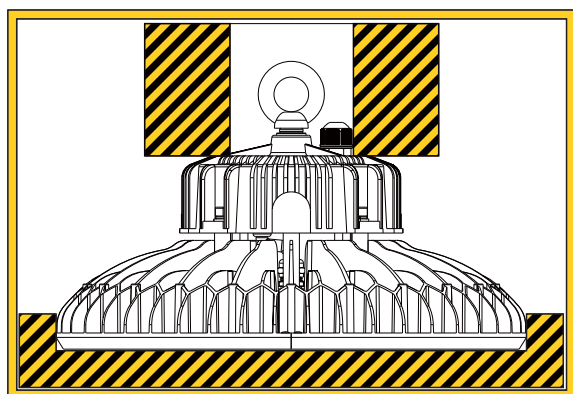3-4m (6m Max.)

wall mounted installation (m)
suggested installation height:
1-2m (3m Max.)

Note!
The remote controller need to be ordered separately.
model: 183-00-0101-001

Package information:

Model	Power	Net weight	box dimension	Pack Quantity	Gross Weight Per CTN	match with U-shape bracket
01/03 D01/D03	100W	4.60Kg	385*385*270mm	1pcs	5.50Kg	6.50Kg
	150W	4.80Kg	385*385*270mm	1pcs	5.80Kg	6.80Kg
	200W	7.15Kg	465*465*290mm	1pcs	8.40Kg	9.40Kg
	240W	7.15Kg	465*465*290mm	1pcs	8.40Kg	9.40Kg
S01/S03 R01	100W	5.60Kg	440*440*270mm	1pcs	6.85Kg	7.85Kg
	150W	5.80Kg	440*440*270mm	1pcs	7.15Kg	8.15Kg
	200W	8.15Kg	495*495*290mm	1pcs	9.75Kg	10.75Kg
	240W	8.15Kg	495*495*290mm	1pcs	9.75Kg	10.75Kg
E01/E03 F01/F03	100W	7.60Kg	385*385*370mm	1pcs	8.60Kg	9.60Kg
	150W	7.80Kg	385*385*370mm	1pcs	8.90Kg	9.90Kg
	200W	10.15Kg	465*465*390mm	1pcs	11.50Kg	12.50Kg
	240W	10.15Kg	465*465*390mm	1pcs	11.50Kg	12.50Kg
G01/G03	100W	8.65Kg	440*440*370mm	1pcs	10.00Kg	11.00Kg
	150W	8.95Kg	440*440*370mm	1pcs	10.30Kg	11.30Kg
	200W	11.20Kg	495*495*390mm	1pcs	13.00Kg	14.00Kg
	240W	11.20Kg	495*495*390mm	1pcs	13.00Kg	14.00Kg

*: E01/F01/G01/E03/F03/G03 weight variable,Marked as maximum weight

Installation requirements:

1.Power off before installation, and read the instruction carefully;

2.Make sure the installation material can endure the lamp weight;

3.If choose installation method with suspendent ring, first fix the suspendent ring on the lamp securely, and hook the suspendent bracket on the hanger;

4.If choose rotating bracket installation method, please prepare two sets of expansion bolts, and drill holes in the installation body, then install the lamp, finally screw down expansion bolts and bracket screws.

5.If choose suspendent installation, please firstprepare extension material first, and cover one end of extension medium on suspendent ring of lamp body, then hook another end on the hanger;

6. Connect lamp wire to matched power wire, and seal the joint with insulation.

7.No matter which kind of installation method, the lamp must be installed reliably to prevent losening and falling off.

⚠ Notice:

1.Please first read the product specification carefully, make sure the using environment conform to specification, then it can be used;

2.Please confirm the input voltage, frequency before use;

3.This product must be installed by professionals;

4. If there is any damage to the power wire or shell of the product, it should be taken as defective product and do not use it;

5.Dangerous hgih voltage, non-professionals are not allowed to maintain the product;

6.If external soft cable or soft wire of the light is damaged, it should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.