CGT

Tool Free Assembling for Sensor
In 5 Seconds

HIGH BAY LIGHT
HB-VE

Easy to Make Inventory Reserve
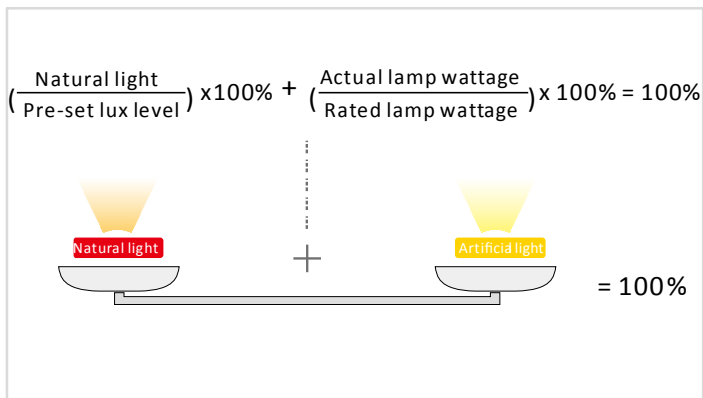Sensor Can Be Sold as Accessories

Feature

- It is convenient to maintenance as the modular design; And LED modularity can be freely combination.
- The performance-to-price ratio superelevation
- IP66 Wet Location
- High efficacy, 140lm/w , CRI>80
- SCP/OVP/OTP protection driver, 90-350Vac
- 6KV/10KV surge protection
- 3 in 1 dimmable(PWM, 1-10V, Resistor) or microwave sensor
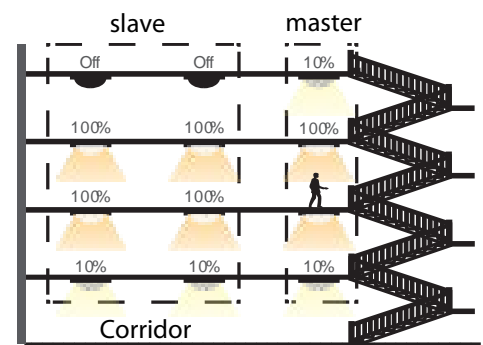- 5 Years warranty

CE

ETL
c LISTED us
Intertek
5006572

DLC QPL
LISTED

Tool-Free Assembling for Sensor   In 5 Seconds

Sensor Module   Empty Cover

Daylight Harvest Level For Saving Energy

$$\left(\frac{\text{Natural light}}{\text{Pre-set lux level}}\right) \times 100\% + \left(\frac{\text{Actual lamp wattage}}{\text{Rated lamp wattage}}\right) \times 100\% = 100\%$$

Natural light

+

Artificial light

= 100%

Support Grouping Motion Sensor

slave   master

Off   Off   10%

100%   100%   100%

100%   100%

10%   10%   10%

Corridor

Patent Design Housing

Modular Design can be freely combination.
Good Heat Dissipation
Easy to Clean
IP66 Rating waterproof

Flicker Free Driver

SCP/OVP/OTP Protection
6KV/10KV Surge Protection
3 in 1 Dimmable(PWN, 1-10V, Resistor)
Or Microwave Motion Sensor

High Lumens

140lm/w CRI>80
Beam angle : 90° / 120°
190lm/w optional

Modular Design

LED modularity can be freely combination
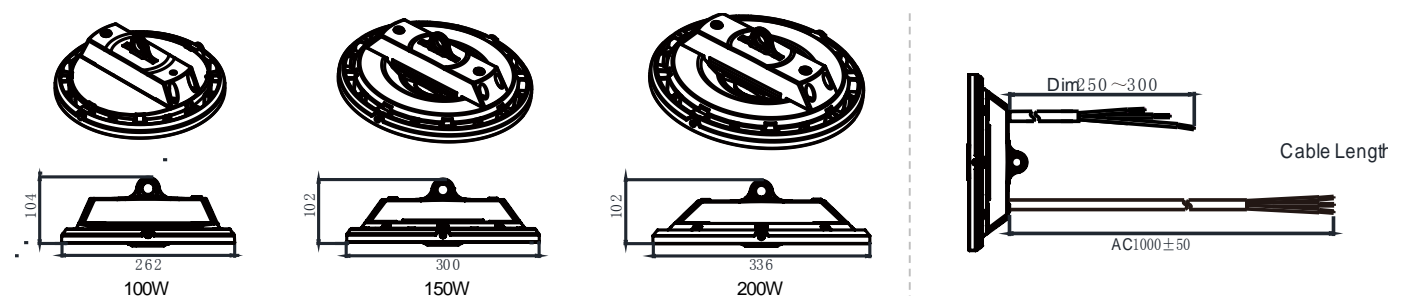Easy to Replace driver.
It is convenient to maintenance.

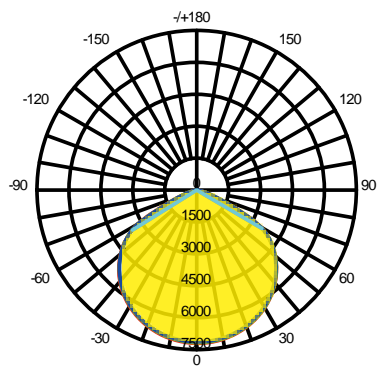**Convenient for SKD (Semi Knock Down) service**

Parameters

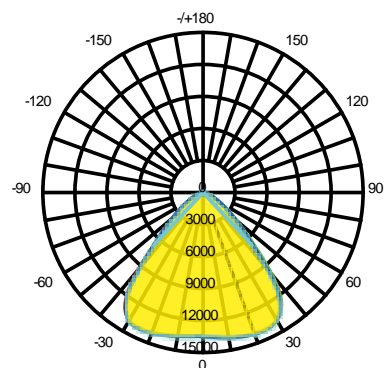| Model No.	HB-100VE	HB-150VE	HB-200VE
Wattage	100W	150W	200W
Luminous Efficacy	140lm/w	140lm/w	140lm/w
Lumens output	14000lm	21000lm	28000lm
HID/MF Equivalent	250-400W	400-600W	800-1200W
Fixture Weight	2.0Kg(4.4lbs)	2.7Kg(5.94lbs)	3.0kg(6.6lbs)
LEDs Brand	Lumileds SMD3030		
CCT	4000K / 5000K / 5700K		
CRI	>80		
Beam Angle	90° / 120°		
Input Voltage	90-305Vac 50-60Hz		
Surge Protection	6KV/10KV		
Dimming	3 in 1 dimming (PWM, 1-10V, Resistor) or Microwave		
Power Factor	>0.9		
IP / IK Rating	IP66 / IK08		
Working Temp.	-40°C ~ 50°C (-40°F~122°F)		
Storage Temp.	-40°C ~ 85°C (-40°F~185°F)		
Finish	Black (RAL9005)		
Housing	Die-casting Aluminum		
Diffuser	PC Lens		
Installation	Hanging, Bracket Mount (reference the Installation Manual)		
Lifespan(>70)	>100,000 Hours		
Certification	ETL, cETL, DLC, CB, PSE, SAA, ROHS 2.0		

Dimensions

104
262
100W

102
300
150W

102
336
200W

Dim 250~300

Cable Length

AC1000±50

Photometric

AVERAGE BEAM ANGLE(50%):118.1 DEG

AVERAGE BEAM ANGLE(50%):86.7 DEG

Order Information

Sample: HB-150VE50K90

		XX	XXX	X
Product Family	**CCT**	**Beam Angle**		**Function**
HB-100VE =100W HB-150VE =150W HB-200VE =200W	40K = 4000K 50K = 5000K 57K = 5700K	90 = 90° Lens 120 = 120° Lens		Blank = 1-10V dimmable S = With Sensor

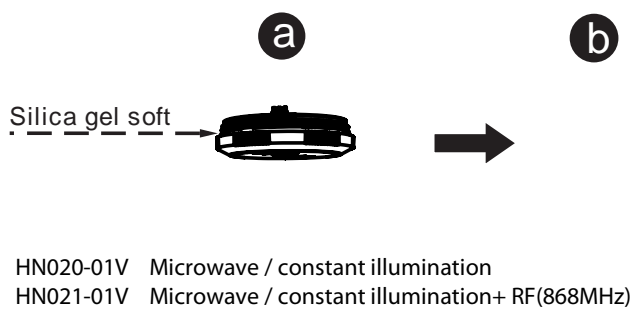| **Accessories**	
100W Mount Bracket	Bracket included 3sets*M8 screws & nuts
150W Mount Bracket	Bracket included 3sets*M8 screws & nuts
200W Mount Bracket	Bracket included 3sets*M8 screws & nuts
Hook	φ6mm SUS304 hook (size: 60*30mm)
Safety rope	L1000 mm SUS304 (one end withφ6mm metal ball and the other end with screw locker)
Microwave Model	HN020-01V Microwave / constant illumination
	HN021-01V Microwave / constant illumination+RF(868MHz) for Grouping
Standard Controller	HRC-11 Remote Control

Package Information

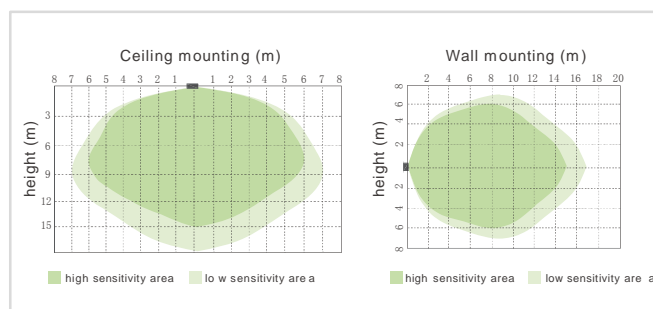| ITEM	QTY/CTN	G. W.	CTN SIZE	CBM
HB-100VE	1pcs	2.6kg(6.6lb)	340x324x145mm(13.4''x12.8''x5.7'')	0.016m³
HB-150VE	1pcs	3.3kg(7.3lb)	360x340x145mm(13.4''x12.8''x5.7'')	0.018m³
HB-200VE	1pcs	3.7kg(10.9lb)	415x390x150mm(16.3''x15.4''x5.9'')	0.025m³

Container Loading QTY

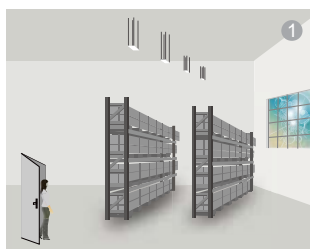| ITEM	PCS/Pallet (1.2x1x2m)	20GP (With Pallet)	40HQ (With Pallet)	20GP (No Pallet)	40HQ (No Pallet)
HB-100VE	120pcs	1200pcs	2400pcs	1750pcs	4000pcs
HB-150VE	110pcs	1100pcs	2200pcs	1500pcs	3600pcs
HB-200VE	68pcs	680pcs	1360pcs	1100pcs	2600pcs

Microw ave mount

a

Silica gel soft

b

HN020-01V   Microwave / constant illumination
HN021-01V   Microwave / constant illumination+ RF(868MHz)

Product type:	Microwave Motion Sensor
Operating voltage:	12VDC/55mA
Hf system:	5.8GHz CW radar
Detection angle:	30° ~ 150°
Power consumption:	<1W
DETECTION RANGE (dxh):	Max. 16 x 12m
Hold time:	30s ~ 30min.
Daylight sensor:	2 ~ 500Lux; disable
Stand-by period:	0s, 10s ~ 1h, + ∞
Stand-by dimming level:	10% ~50%
Mounting:	Indoors, ceiling & wall mounted
Working temp.:	-20 ~ +60

Ceiling mounting (m)

8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8

height (m)

3
6
9
12
15

Wall mounting (m)

2 4 6 8 10 12 14 16 18 20

height (m)

8
6
4
2

2
4
6
8

high sensitivity area   lo w sensitivity are a   high sensitivity area   low sensitivity are a

A ULTRANIK HF motion detector

❶

❷

❸

❹

The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)

With movement and insufficient ambient lux level, the light is triggered on 100% by the detector.
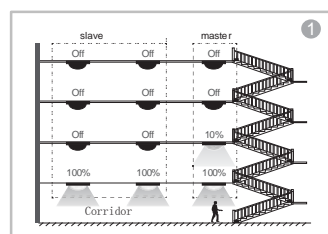
If there is no more movement, the light dims to stand-by dimming level after hold-time.
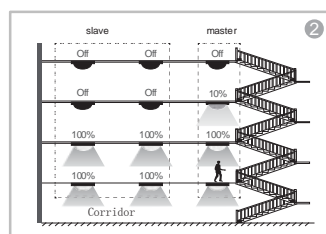
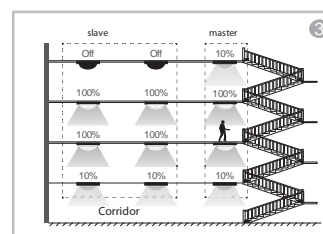The light turns off automatically after stand-by time.

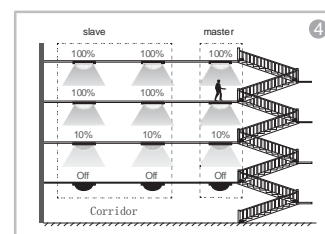**B** For staircase and corridor (master and slave)

❶

❷

❸

❹

While the 1st sensor detects motion on the 1st floor, it switches the light on at 100% and sends signal to all slave units. All slaves on the 1st floor turn on and the sensor highbay on the 2nd floor switches on at stand-by level.

The person walks to the 2nd floor, the 2nd Sensor highbay switches the light on at 100%. All slaves on the 2nd floor turn the light on and the Sensor highbay on the 3rd floor switches on at stand-by level.

The person walks to the 3rd floor, the 3rd sensor highbay switches the light on 100%. All slaves on the 3rd floor turn the light on and the Sensor highbay on the 4th floor switches onat stand-by level. Meanwhile, the lights on the 1st floor are dimmed to stand-by level after hold-time.

The person walks to the 4th floor, the 4th sensor highbay switches the light on at 100%. All slaves on the 4th floor turn the light on Meanwhile, all sensors on the 1st floor turn the light off after stand-by period, and all lights on the 2nd floor dim to stand-by level after hold-time.

PLEASE CONTACT US FOR MORE DETAIL
SENSOR DATA

SHENSHEN CGT TECHNOLOGY CO.,LTD

Add: No.11, YuanHu Road Zhangbei
Industrial Park, Longgang District,
Shenzhen, China 518116

Tel: 0086-755-22361751
Web: www.cgtled.com
E-mail: info@cgtled.com