



# Crossover Series

## With Plug-in Sensor

With plug in sensor and different function options such as PIR sensor, micro-wave sensor etc, our Crossover series UFO is the ideal solution to lower inventory, faster stock turnover, cost saver, and more options for end user. It not only lowers the purchasing cost, but also increases customers' competitive advantage.

# Plug-in Sensor

## Plug in and play

.....  
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.....



**200**  
LM/W

Sosen driver and Sanan led  
are used to reach 200lm/w

## More Flexible

*It is not only a standard  
highbay but everything*



## Sensor Options

*Micro-wave  
& Daylight*

*PIR  
& Daylight*



### ***Easy=Money saving***

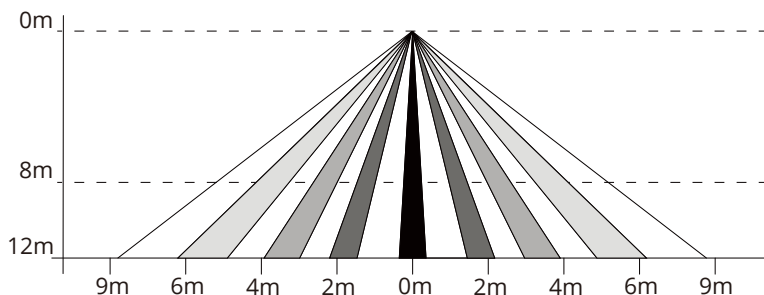
*To compare with the sensor highbay  
and zigbee control, our light is more  
easy to use, more flexible, and easy  
installation. This not only lowers the  
label cost, but also makes marketing  
more easy and provide more options  
to end user.*



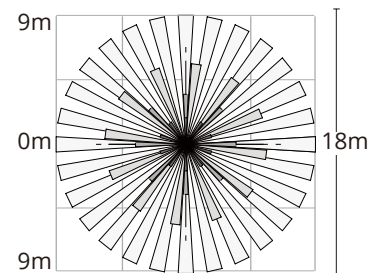


## Detection

Coverage Side View



Coverage Top View

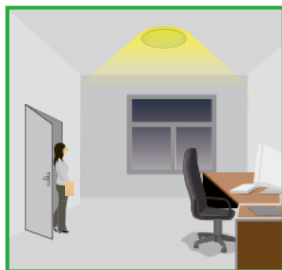


## DIMMING FUNCTION

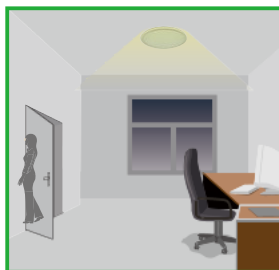
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



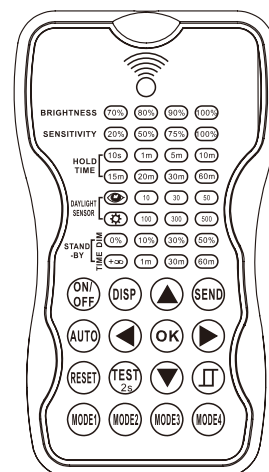
After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



Light switches off automatically after the stand-by period elapses.

## Re-programmable

Fixed on up to 12 meters after installation, the high bay will be not easy to adjust the working program. But the user may not satisfied with the performance and sensitivity or Dim level is needed to adjust for different season. In order to make the extra work easy and no machines are needed, one remote control is provided to re-program the sensor.



Distance range: 12 m  
Battery: AAAx2





## Features

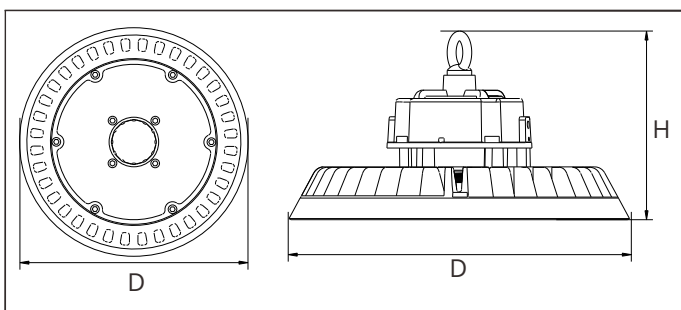
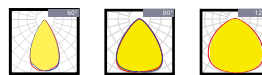
Housing: Die-cast  
Thermal Conductivity: 96  
W/m·K Led: Sanan  
CRI: Ra>70 ( 80 for option)  
SDCM: <6  
Power Factor: >0.95  
THD: <15  
Driver: Sosen  
Driver Efficiency: >93%  
Protection: OTP, OCP, OVP, SCP  
Surge Protection: 4KV  
Waterproof: IP65  
Impact Test: IK08  
Electrical: 100-277V, 50/60Hz  
Operating Temperature: -40~60 °C  
TM21: L80B10>50,000H  
Lifetime: 50,000H



## Functions

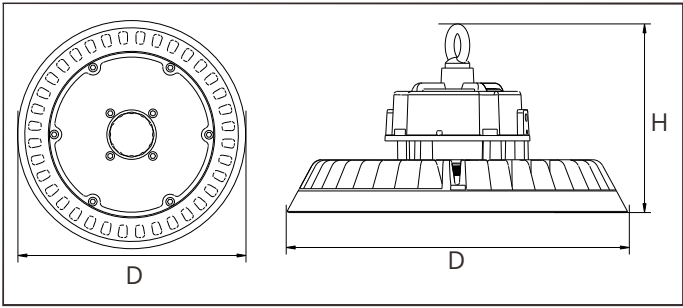
ZigBee · PWM 0/1~10V · Micro-wave

## Optical options:



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB100CE0M-SYS	100	100~277	20000L	>70(80	IP65	D308*H18
HB120CE2M-SYS	W	V	M	)	IP65	1
HB150CE2M-SYS	120	100~277	24000L	>70(80	IP65	D308*H18
HB200CE4M-SYS	W	V	M	)	IP65	1
	150	100~277	30000L	>70(80		D308*H18
	W	V	M	)		1
	200	100~277	40000L	>70(80		D354*H18
	W	V	M	)		3

Packing



Model	Outer Carton(mm)			QTY /CTN	NW/CTN	GW/CTN
HB100CE0M-SYS	36	36	15	1	2.2	3.0
HB120CE2M-SYS	5	5	0	1	0	0
HB150CE2M-SYS	36	36	15	1	2.2	3.0
HB200CE4M-SYS	5	5	0	1	0	0
	36	36	15		2.2	3.0
	5	5	0		0	0
	41	41	15		2.9	3.9
	0	0	5		0	0