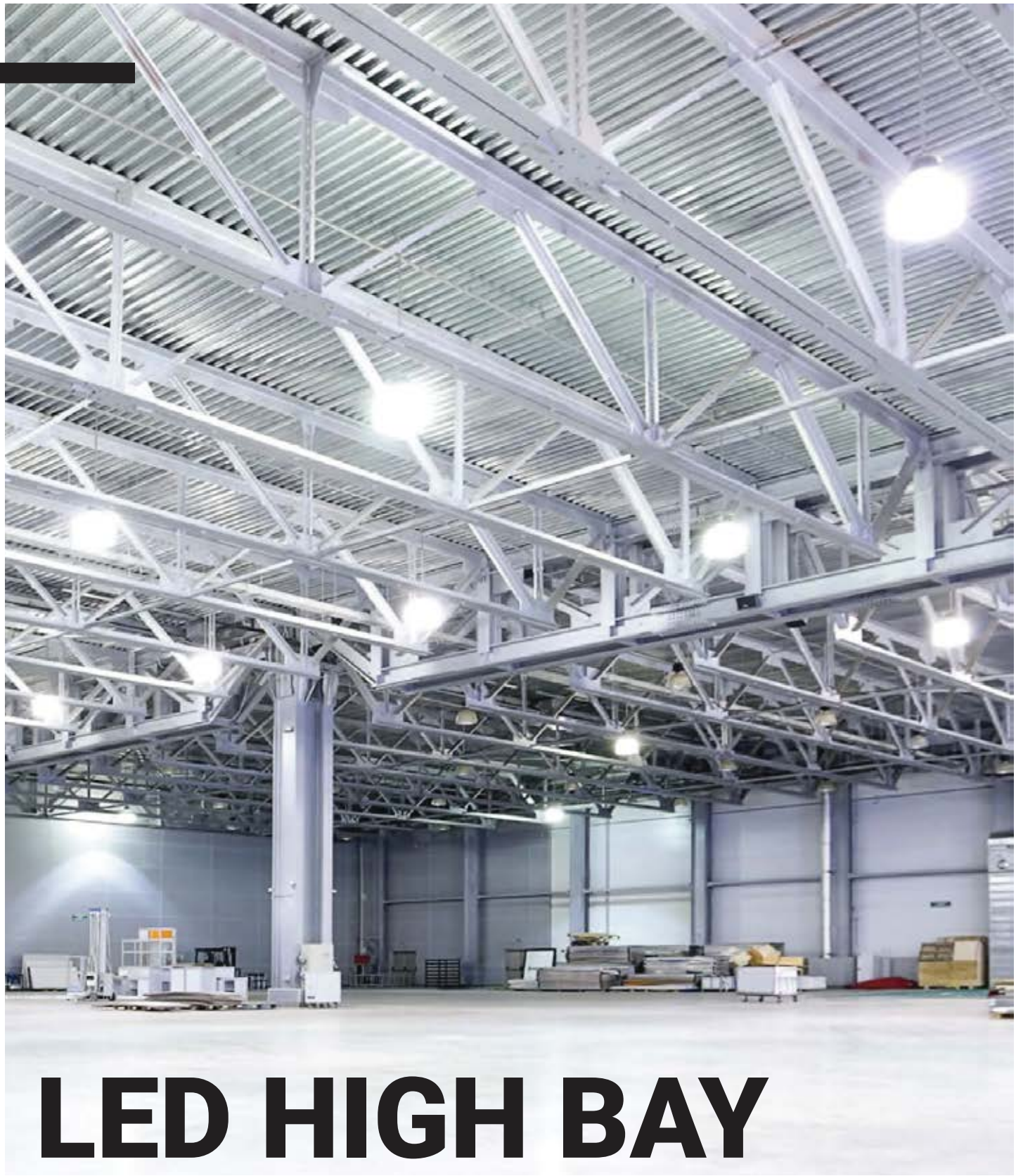


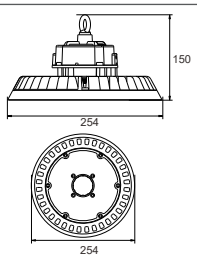
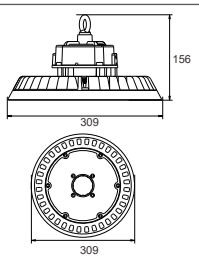
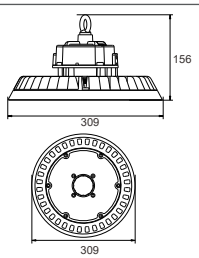
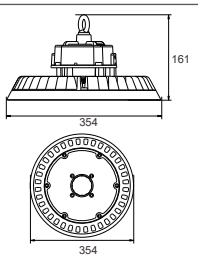
LED HIGH BAY LIGHT

Crossover Series

with Plug-in Sensor

HBCEH-PNS SERIES

Product Information

Series				
	HB100CE0H-PNS	HB120CE2H-PNS	HB150CE2H-PNS	HB200CE4H-PNS
Voltage	100 ~ 277V AC			
Wattage(W)	100	120	150	200
Lumen (lm)	15000	18000	22500	30000
Dimension (mm)				

COMPARISON

More energy-saving lighting products are in high demand. And clients are increasingly more concerned with long-term cost savings. Higher brightness is important, but smart control will automatically conserve more energy. Our Crossover UFO is the ideal solution to fulfil the needs of our customers. The 150lm/w brightness saves half the energy of competitors, while the plug-in sensor option saves 40%-60% energy.

CROSSOVER VS **Others**

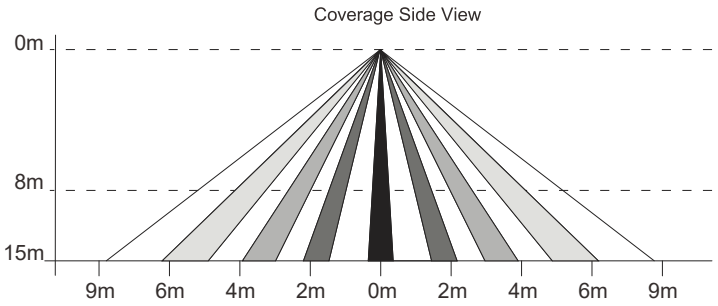
Manufacturer	Unicornlite	Others
Power	150w	200w
Brightness	22500lm	24000lm
Consumption per month (6H/D, 20D/M)	18 kwh	24 kwh
Constant illuminance saving (day light and micro-wave sensor)	40% - 60%	non
Electric charge	0.305$/ kwh	0.305$/ kwh
Device used	100pcs	100pcs
Electric charge per month	$329.40	$732.00
Electric charge in 5 years	$19,764.00	$43,920.00

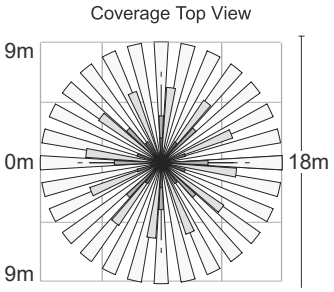
SENSOR OPTIONS

Micro-wave & Daylight | Daylight Sensor | Zigbee Daylight Sensor | Zigbee PIR + Daylight

PIR & Daylight | Zigbee Micro-wave Sensor | Zigbee PIR Sensor | Zigbee Micro-wave + Daylight

Coverage





Demonstration

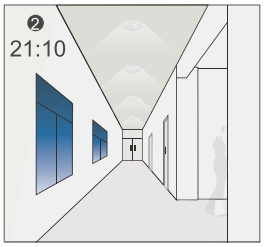
Target-time: 10min
Setpoint on:50lux
Setpoint off:300lux
Waiting Level:50%
Waiting Time: 30mins
Background Level: 10%
Background Time: +∞

Target Time — *Refers to the time period the lamp remains at 100% illumination after no motion detected.*

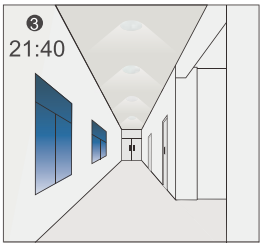
Waiting Time — *Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.*

Waiting Level — *The low light level you would like to have after the hold time in the long absence of people.*

The light switches on at 100% when there is movement detected.



The light dims to 50% waiting level after the hold-time.



The light remains in 10% low dimming level at night.

1 ⇄ 3 goes in cycle at night ···

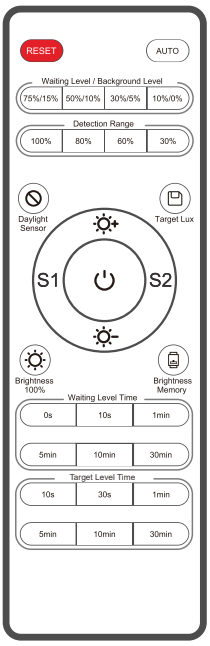
100% on when movement detected, and dims to 10% in long absence.

When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.

Note for Factory Default Setting: *Detection range: 100%*
Target Level time: 10mins
Daylight sensor: off
Waiting level: 50%
Waiting level time : 30mins
Background level: 0%

RE-PROGRAMMABLE

Fixed on up to 15meters 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.

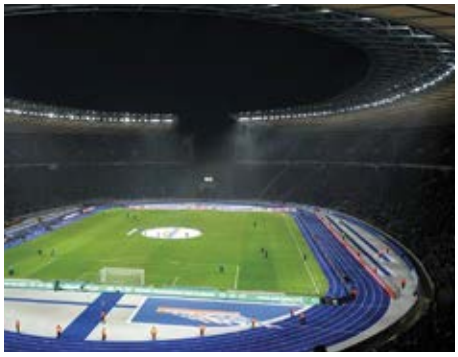


Distance range: 15m
Battery: AAAx2

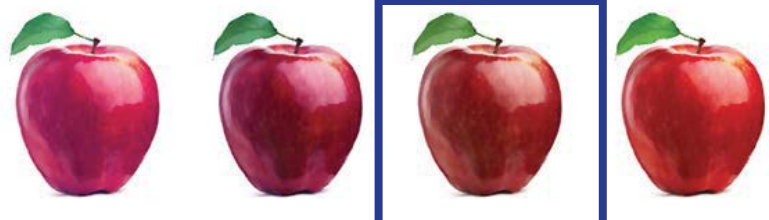
APPLICATION

This crossover LED high bay light series is designed to use for

- warehouse
- underground parking lot
- logistic center
- indoor stadium light & etc



Color Rendering Index (CRI)



CRI 80Ra is an adequate level of color quality for the least demanding of circumstances which helps to enhance the visual with color stand out and appear good enough for daily tasks.

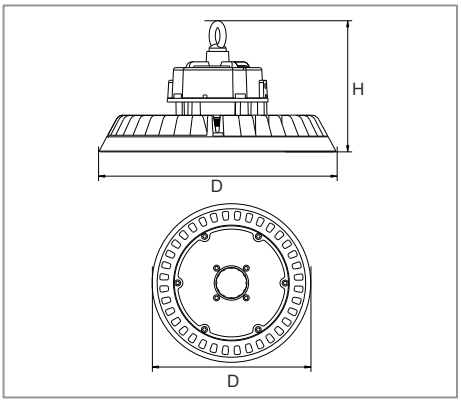
HBCEH-PNS SERIES

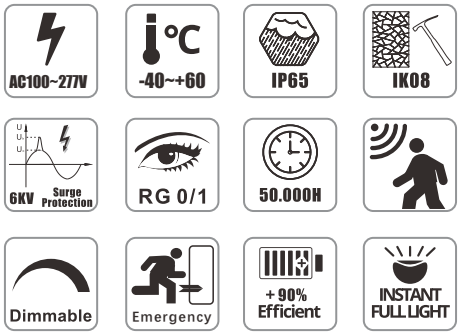
Application

Crossover LED high bay light is designed to use for warehouse, workshop, supermarket, underground parking lot, logistic center, indoor stadium light, and etc.

Specification

Input Voltage	100 ~ 277 V AC
Frequency	50 Hz
Power Factor	>0.95
IP Rating	IP65
CRI	Ra>80 (90 for option)
Light Efficiency	150 lm/W
Operating Temperature	-40°C ~ 60°C
Lifetime	50,000 hours
Housing	Die-cast Aluminum
Thermal Conductivity	96 W/m·K
Surge Protection	6KV
SDCM	<6
THD	<15

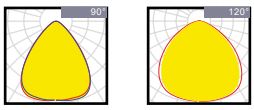




Optional Functions

ZigBee • PWM • 0/1~10V • Micro-wave

Optical Options



Ordering Data

Part No.	Power (W)	Lumens (lm)	Length (D x H)
EVO-HB100CE0H-PNS	100	15000	254*150
EVO-HB120CE2H-PNS	120	18000	309*156
EVO-HB150CE2H-PNS	150	22500	309*156
EVO-HB200CE4H-PNS	200	30000	354*161

* Product specification subject to change according to technology improvement.