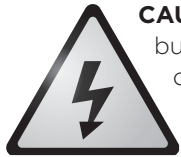


MODELS:
HBM100, HBM150, HBM240

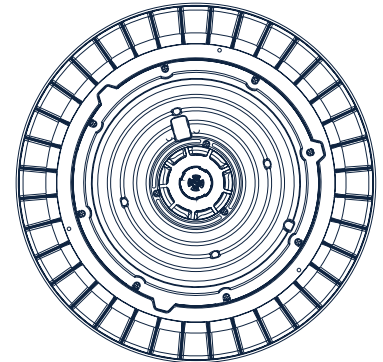
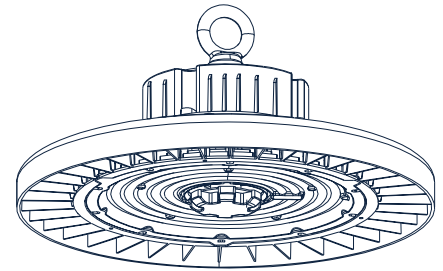
ELECTRICAL RATINGS:

Item	Model	Input Voltage	Power Factor	Watt	Input Current
A	HBM100KK-UNV-ZZ	100-277VAC	≥0.9	100W	2.4A
B	HBM100KK-UN4-ZZ	277-480VAC	≥0.9	100W	0.5A
C	HBM150KK-UNV-ZZ	100-277VAC	≥0.9	150W	2.4A
D	HBM150KK-UN4-ZZ	277-480VAC	≥0.9	150W	0.8A
E	HBM240KK-UNV-ZZ	100-277VAC	≥0.9	240W	3.5A
F	HBM240KK-UN4-ZZ	277-480VAC	≥0.9	240W	1.8A

"KK" refers to colour temperature.
"ZZ" refers to fixture colour.



CAUTION: This product uses a wide voltage range input driver but the working voltage can be limited using a photocell or occupancy sensor depending on the operating voltage. Please ensure that a voltage compatible photocell or occupancy sensor is used (if required) during installation.



INTRODUCTIONS

Instructions do not cover all details and all possible product configurations.

Do not restrict luminaire ventilation.

Ensure LED luminaire is not covered with material that will prevent convection or conduction cooling.

Ensure LED luminaire has the correct polarity before installation.

Avoid exposing wiring to metal edges and sharp objects.

Note: Save these instructions for future reference.

WARNINGS

OBSERVE ALL PRECAUTIONS USUALLY FOLLOWED WHEN DEALING WITH HIGH VOLTAGE EQUIPMENT WHEN INSTALLING OR SERVICING THIS LIGHT FIXTURE.

DISCONNECT POWER BEFORE INSTALLING OR SERVICING.

THE PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

PROTECT ALL WIRING CONNECTIONS WITH APPROVED INSULATORS RATED 600V/150°C.

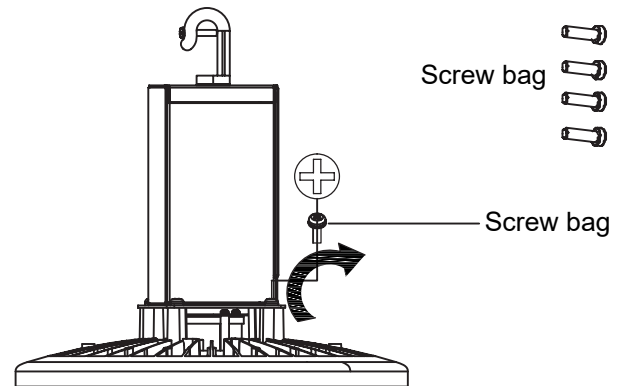
LINE VOLTAGE MUST BE 100V-277V AC 50/60HZ ACCORDING TO THE DIFFERENT MODELS TO SELECT THE CORRESPONDING VOLTAGE.

UPON RECEIPT OF THIS FIXTURE, THOROUGHLY INSPECT IT FOR ANY DAMAGE. IF ANY IS FOUND, THE CARRIER SHOULD BE NOTIFIED AND HELD ACCOUNTABLE.

INSTALLATION

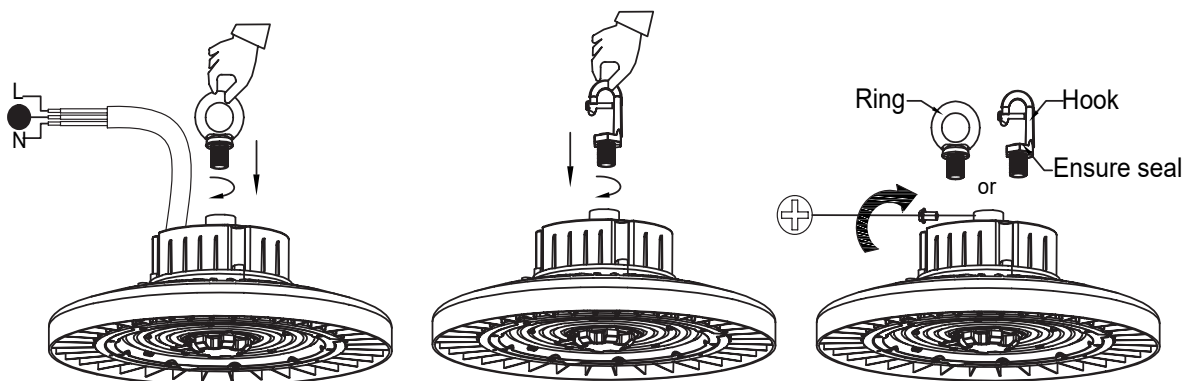
Installation diagram of high voltage high bay:

1. Instructions



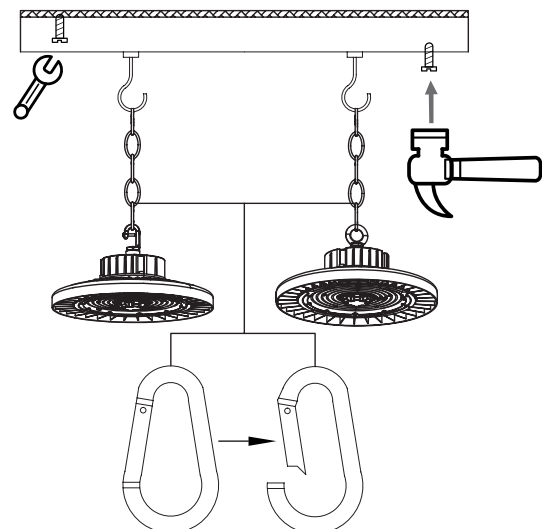
Ring/Hook installation diagram:

1. Instructions



Iron chain installation diagram:

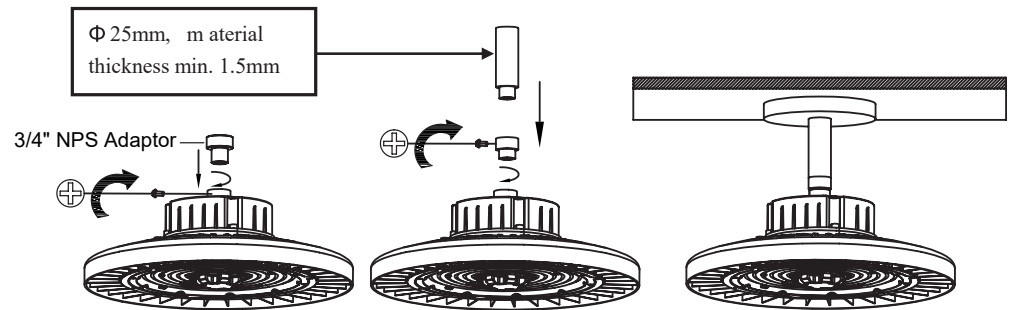
1. Instructions



INSTALLATION

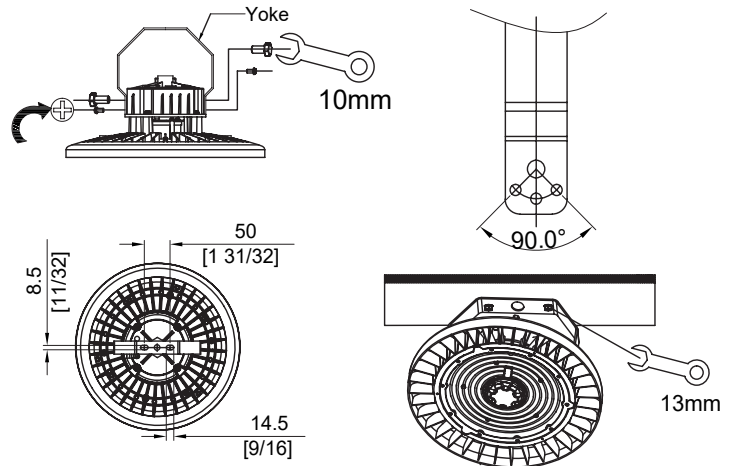
3/4" NPS Adaptor installation diagram:

1. Instructions



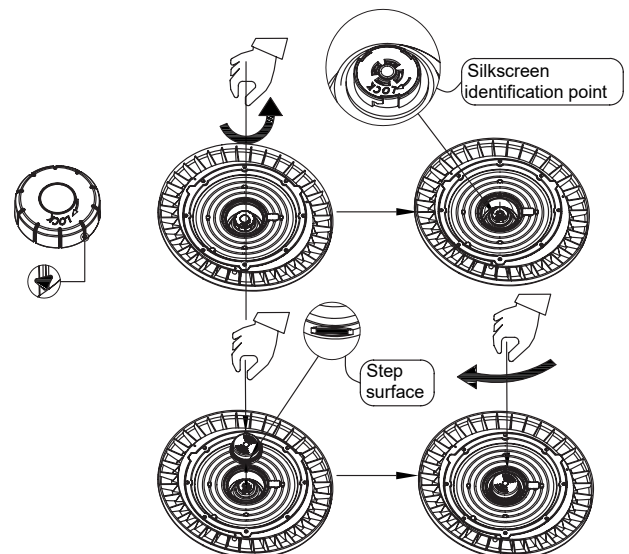
Yoke installation diagram:

1. Instructions



Instructions for DC sensor installation:

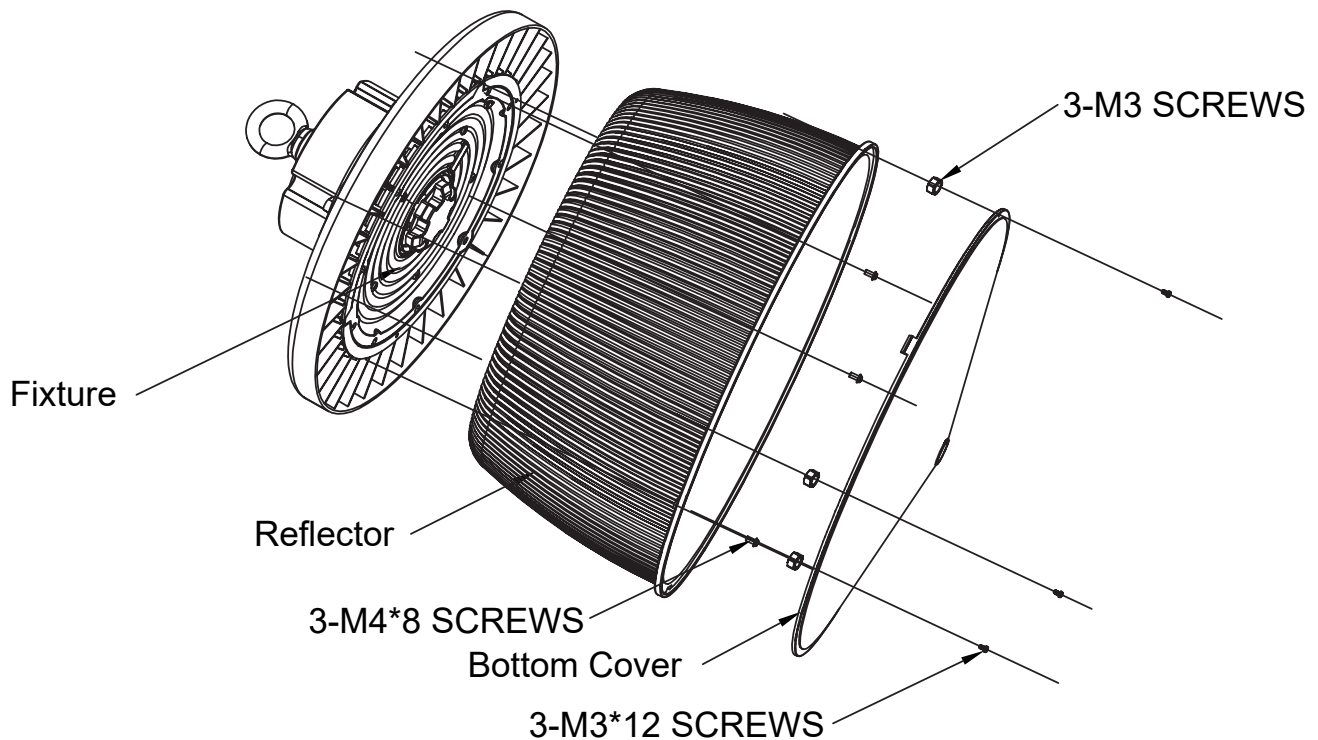
1. Twist off decorative cover counterclockwise and pull it out
2. Align the step surface of DC sensor with the silkscreen identification point of sensor base, and then twist the sensor into groove clockwise



INSTALLATION

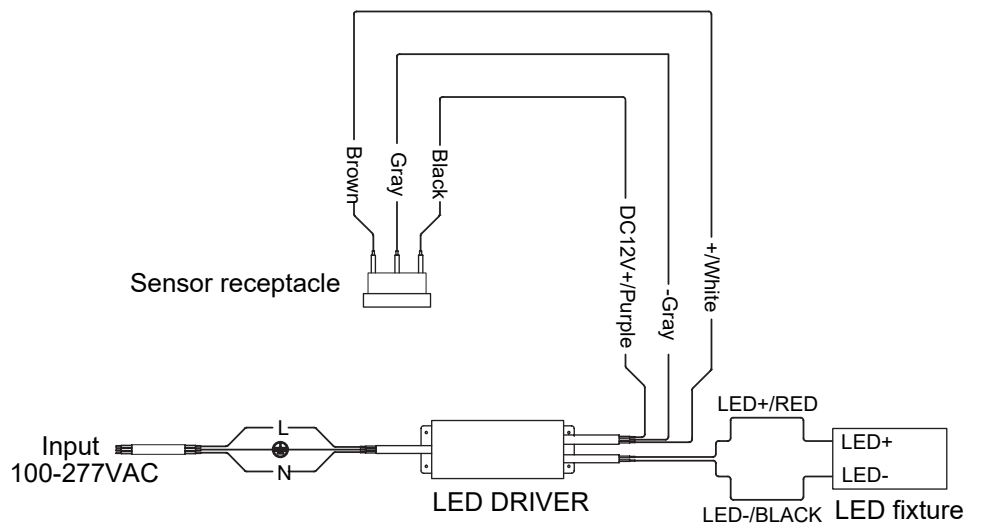
PC reflector and cover installation diagram:

1. Instructions



Wiring diagram for plug-in sensor:

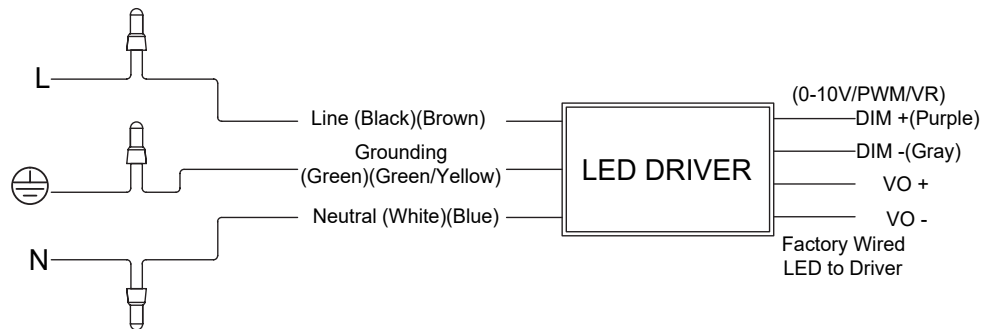
1. Instructions



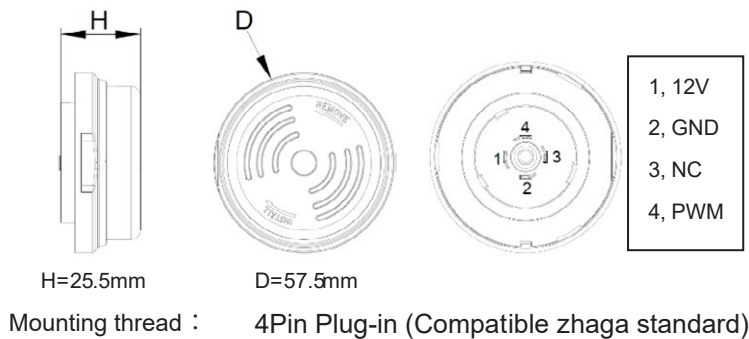
INSTALLATION

Wiring diagram:

1. Instructions



Sensor:

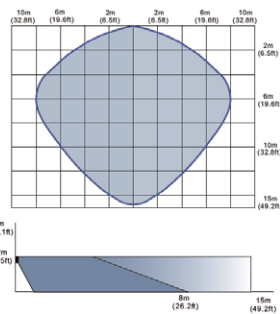


Photometrics:

Wall mount

Top view

Vertical view

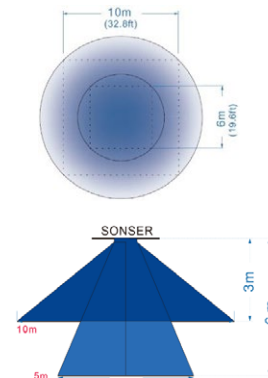


Ceiling mount

Top view

Height:10m

Vertical view











































COMMISSIONING

After installation:

- Check whether the lighting fixture is firmly fixed.
- Check whether wires are connected correctly.

At last, turn on the power, and check if the lighting fixture works well. If not, please turn off the power and contact with your sales representative.

REMOTE CONTROL FUNCTIONS

 <p>MODEL:TW-SCR004</p>		Hibernation - the sensor stops working and goes into hibernation. Press any other key to re-enter the working. Press any other key to realize the function of the key itself.		
		100%+0%/100%+2min		100%+20%/100%+2min
		50%+0%/100%+2min		50%+20%/100%+2min
	   	Duration time Setting after microwave trigger (Keys only work in microwave mode)		Test button 6S
	   	Microwave mode / Microwave setting		factory reset
	   	Fixed mode / Luminance setting	   	Sensitivity setting of microwave sensor(Keys only work in microwave mode)
	  	Timer mode setting(Keys only work with photocell mode)		Cancel timer mode
	  	photocell threshold value setting		Cancel photocell mode, but invalid in timer Mode and Bucket mode
	     	standby time setting of microwave mode (Keys only work in microwave mode)	 	Time Bucket mode1,2 (Keys only work with photocell mode)

REMOTE CONTROL FUNCTIONS

Sensor sensitivity:

1. Key- The Max detection distance of microwave sensor is 15M.
2. Key- The Max detection distance of microwave sensor is 11M.
3. Key- The Max detection distance of microwave sensor is 7M.
4. Key- The Max detection distance of microwave sensor is 3.5M.

Duration time:

1. 5S 5S key-lasting time
2. 2min 2min key-lasting time
3. 5min 5min key-lasting time
4. 10min 10min key-lasting time

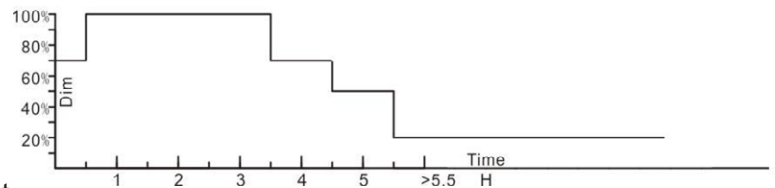
Microwave mode:

1. No Motion was detected continuously, the light will turn off after the duration time(5S/2min/5min/10min), and the light will remain 100% luminance if motion is detected.
2. No motion detected continuously, the light luminance will drop to 20% after the duration time (5S/2min/5min/10min), and the light will remain 100% luminance if motion is detected.
3. No motion detected continuously, the light luminance will drop to 30% after the duration time (5S/2min/5min/10min), and the light will remain 100% luminance if motion is detected.
4. No motion detected continuously, the light luminance will drop to 50% after the duration time (5S/2min/5min/10min), and the light will remain 100% luminance if motion is detected.

Fixed mode:

1. The light stays at 30% luminance
2. The light stays at 60% luminance
3. The light stays at 80% luminance
4. The light stays at 100% luminance

Time Bucket mode 1:



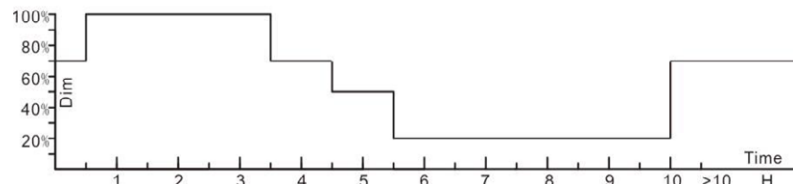
The luminance of the light changes with the time bucket.

The internal timer starts timing or reset with the ambient luminance under working conditions.

The luminance is 70% in 0.5H, 0.5H-3.5H is 100%, 3.5H-4.5H is 70%, 4.5H-5.5H is 50%.

Then turn off the light when the luminance is 20% until the environment is bright.

Time Bucket mode 2:



The luminance of the light changes with the time bucket.

The internal timer starts timing or reset with the ambient luminance under working conditions.

The luminance is 70% in 0.5H, 0.5H-3.5H is 100%, 3.5H-4.5H is 70%, 4.5H-5.5H is 50%, 5.5H-10H is 20%.

Then turn off the light when the luminance is 70% until the environment is bright.

REMOTE CONTROL FUNCTIONS



Timing mode:

1. The internal timer starts timing or reset with the ambient luminance under working conditions, Turn off the lights after 3H
2. The internal timer starts timing or reset with the ambient luminance under working conditions, Turn off the lights after 6H
3. The internal timer starts timing or reset with the ambient luminance under working conditions, Turn off the lights after 9H



Cancel timing mode:

Timing mode 3H / 6H / 9H Failure.



Test button:

TEST - Press the button, the red indicator light is on, keep 10% brightness for 1S then entering the induction state, after sense the movement of the object, the light brightness turn to 100%. After testing for 6S, the test mode is automatically exited, and the red indicator light is off.



Photocell mode:

1. Set the photocell threshold value ambient luminance is about 50Lux.
2. Set the photocell threshold value ambient luminance is about 100Lux.
3. Set the photocell threshold value ambient luminance is about 200Lux.

When ambient luminance is below the threshold, the product enters working state, and run according to the setting mode. When ambient luminance is over the threshold, infrared ray in the environment reaches the inherent threshold of the product, the product enter non-working state, the light is off.



Turn off Photocell mode:

1. Photocell mode 50Lux / 100Lux / 200Lux is failure, The change of ambient luminance has no effect on the working state of the controller.

Stand-by time:

1. 0S 0S key-Set standby time as 0S
2. 1min 1min key-Set standby time as 1Min
3. 5min 5min key-Set standby time as 5Min
4. 10min 10min key- Set standby time as 10Min
5. 30min 30min key-Set standby time as 30Min

Standby mode only be activated in microwave mode with 20%-100% 30%-100% 50%-100%

For example, when the microwave mode is 20% - 100%, no motion state is detected continuously, and the holding time is up to (5S / 2min / 5min) The brightness of the light will be reduced to 20%, and no motion state is detected continuously. When the standby time is up (0s / 1min / 5min / 10min / 30min), the light will be turned off. If motion state is detected, the light will maintain 100% brightness.



6. Cancel the standby mode

For example microwave mode 20%-100% No motion detected continuously, the light luminance will drop to 20% after the duration time (5S/2min/5min), and the light will remain 100% luminance if motion is detected.



Factory Reset:

1. The operation of remote has memory function resume to default setting

Other:

1. Factory default mode is 2min 0%-100% 100% 50LUX Cancel timing mode Cancel the standby mode
2. Time Bucket mode/fixed mode/microwave mode can only be activated in one mode at the same time.
3. Time Bucket mode, Timer mode can only work in photocell mode and in outdoor environments with alternating light and dark.