HBC-MWOSR2

INSTALLATION OF SENSOR WITH EMB400 FOR HBC4

For Models: HBC4 100W, 150W, 200W with HBC-MWOSR2

To prevent death, injury or damage to property, this product must be installed in accordance to National Electrical Code (NFPA70) in the US or Canadian Electrical Code (CSA 22.1) in Canada.

Risk of fire or electric shock. The electrical rating of these products are 120-277 Vac, the installer must determine whether they have 120-277 V at the luminaire before installation.

Risk of fire or electric shock. LED Commercial High Bay installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

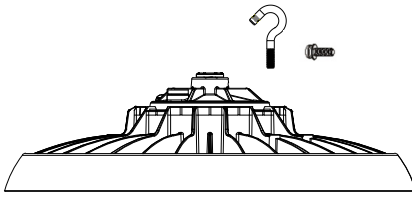
To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

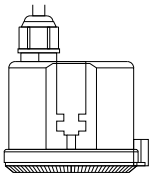
Disconnect power before installing the product or servicing it.

Wait until fixture has cooled down before installing or servicing the fixture.

MIN. 90°C SUPPLY CONDUCTORS

Components required for installation



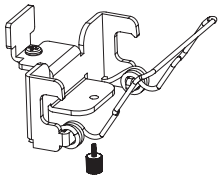


One (1) Motion Sensor

One (1) Mounting Kit Consisting of

- Two (2) Mounting Brackets
- Two (2) M8 Bolts
- Two (2) M8 Washers
- Two (2) Balance Plates
- Five (5) Screws

Mounting Clips Option for Reflector



Standard w/HBC-MWOSR2

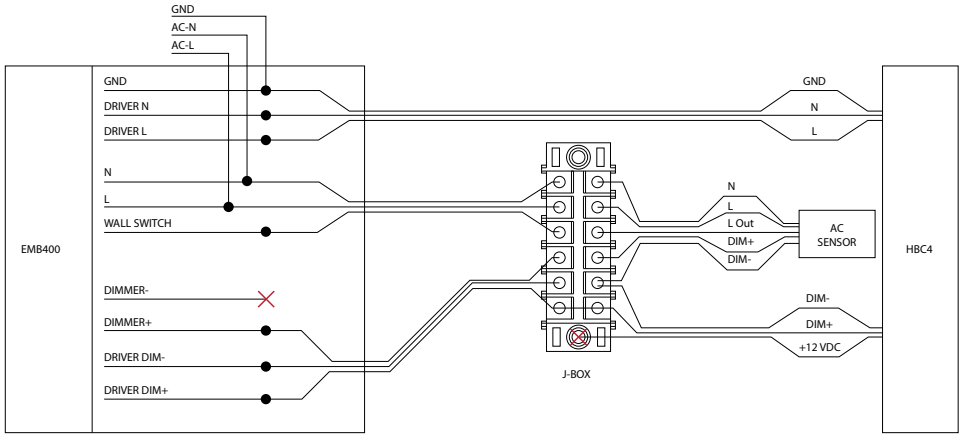
Tools Needed

This HBC4 LED High Bay requires very few tools for installation. A screwdriver, a pair of wirecutters and a wrench will help to install the sensor kit.

Installation

1 Wiring

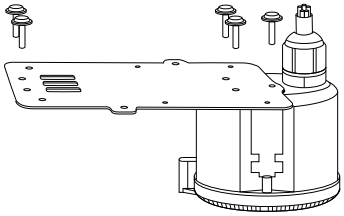
Connect fixture and sensor wires to the terminals inside the junction box as shown in diagram. Make sure all glands are fully tightened to maintain the fixture IP rating.

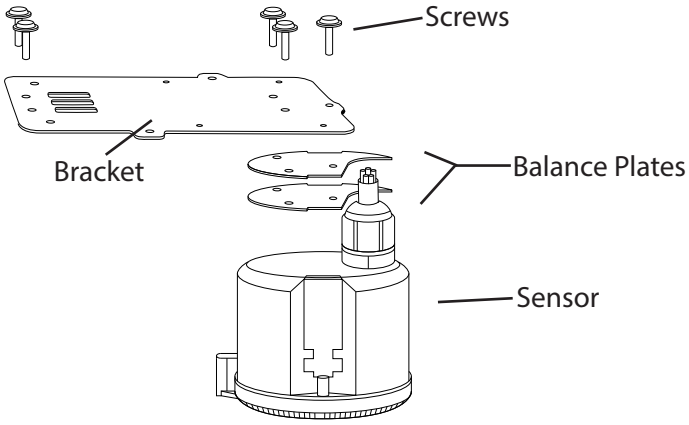


2 Sensor Preparation

Attach the sensor and balance plates to the bracket using three (3) 10mm long screws (included).

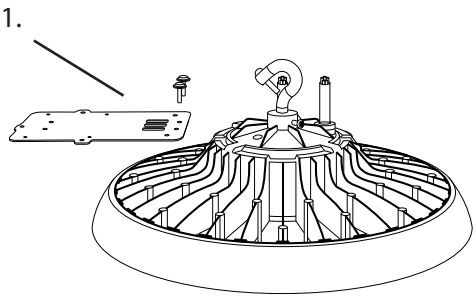
NOTE: Balance plates must be used to keep the fixture level after installation.

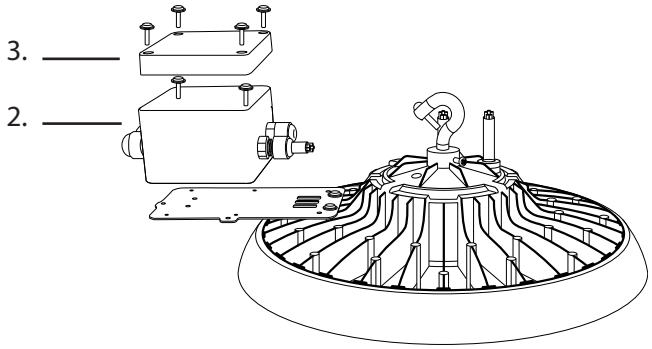


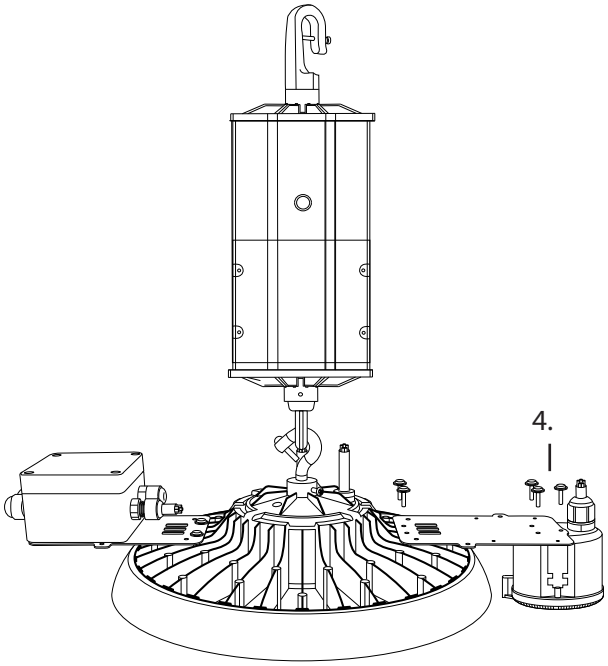


3 Component Installation (No Reflector)

1. Attach the Junction Box Bracket to the fixture by aligning the bracket, with the tab up, to the mounting hole on one side of the fixture and inserting the M8 bolt and washer.
2. Install the Junction Box to the Bracket using the two (2) included screws.
3. After Box is securely mounted, reattach cover with the four (4) screws after wiring is complete.
4. Attach the Motion Sensor Assembly (see step 2) to the other side of the fixture, aligning the bracket and inserting the M8 bolt and washer.

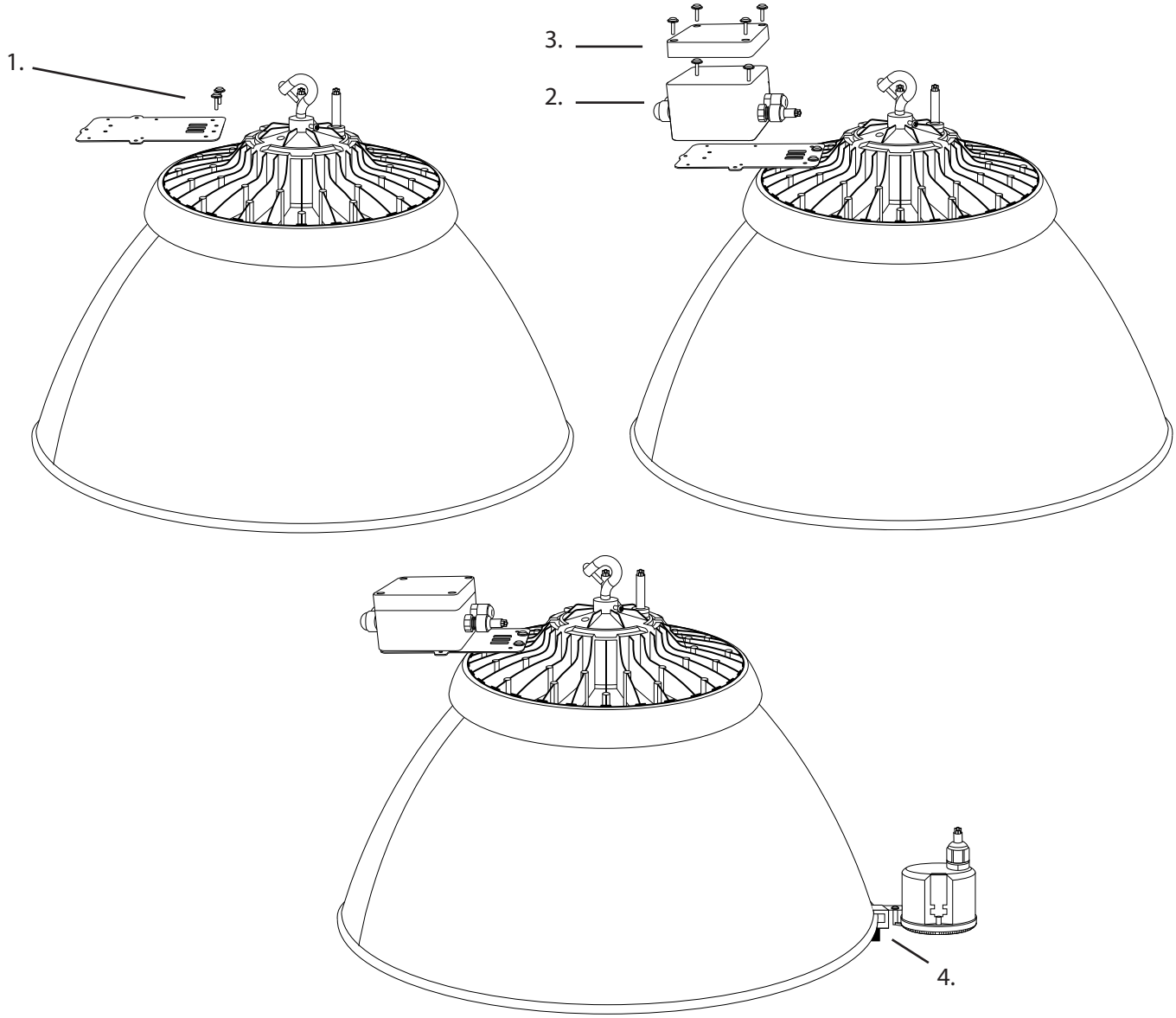






4 Component Installation (With Reflector)

1. Attach the Junction Box Bracket to the fixture by aligning the bracket, with the tab up, to the mounting hole on one side of the fixture and inserting the M8 bolt and washer.
2. Install the Junction Box to the Bracket using the two (2) included screws.
3. After Box is securely mounted, reattach cover with the four (4) screws after wiring is complete.
4. Using the mounting clip, attach the Motion Sensor to the other bottom of the reflector and secure by tightening the thumb screw.

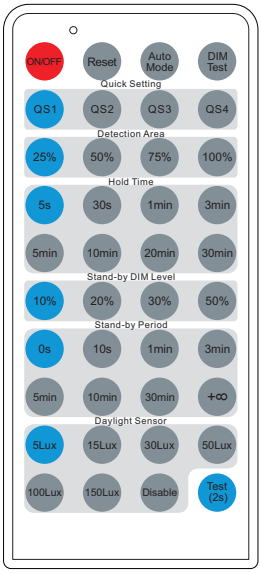


SENSOR SETTINGS

BUTTON	DESCRIPTION
ON/OFF	Press the "ON/OFF" button to disable sensor and power on/off fixture. Press "Reset" or "Auto Mode" button to reenable sensor settings.
RESET	Press "Reset" button to default back to DIP switch settings.
AUTO MODE	Press "Auto Mode" button to return to re-enable sensor settings.
DIM TEST	Press "DIM Test" button to test the dimming function. The sensor will dim the fixture to the set dim level, then returns to normal level.
TEST (2s)	The button "Test (2s)"is for factory testing purpose only. Exit test mode by pressing any button. Detection sensitivity: 100% Hold Time: 2sec Stand-by dim Level: 10% Stand-by Period: 0s Daylight Sensor: Disable
QS1 QS2 QS3 QS4	See table below

Scene Options	Detection Area	Hold Time	Stand-by Period	Stand-by dim Level	Daylight Sensor
QS1	100%	30 s	1 min	10%	5 Lux
QS2	100%	1 min	3 min	10%	10 Lux
QS3	100%	5 min	10 min	10%	30 Lux
QS4	100%	30 min	30 min	10%	Disable

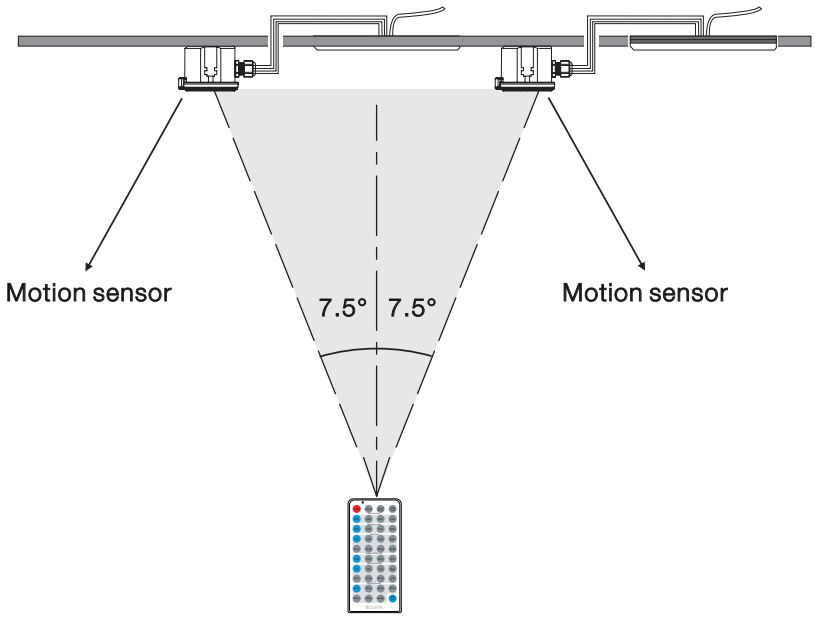
Note: Detection area/ Hold time/ Stand-by period/ stand-by dim level/ daylight sensor can be adjusted by pressing the corresponding button. The last setting stays active



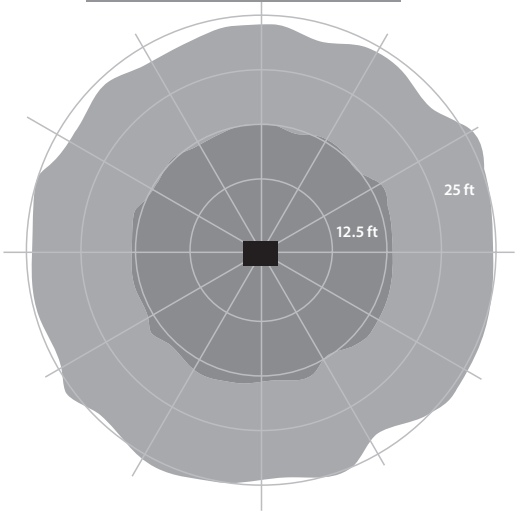
The Infrared Remote Control has an angle of 15°, if the sensors are installed too close to each other the remote might configure both sensors. See spacing table for minimum spacing for individual sensor command.

Spacing Table

MOUNTING HEIGHT	DISTANCE BETWEEN SENSORS
49.2ft (15m)	13.1ft (4m)
39.4ft (12m)	11.2ft (3.4m)
29.5ft (9m)	7.9ft (2.4m)
19.7ft (6m)	5.2ft (1.6m)
9.8ft (3m)	2.6ft (0.8m)



DETECTION AREA



TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
The fixture will not illuminate	Incorrect daylight sensor setting selected.	Adjust daylight setting.
	Power is switched off.	Switch power on.
The fixture will not switch off.	Continuous movement in the detection area.	Check detection area setting and hold time settings.
	The fixture with sensor is installed too close to reflective surfaces, i.e. metal, glass, or concrete walls.	Make sure installation area is suitable with at least 12 inches (30 cm) of space between fixture with sensor and surrounding reflective surfaces.
		Reduce sensitivity of the detection area.
The fixture will not illuminate despite movement.	Object is moving slower than 1 mph (1.6 km/h) or faster than 6.5 mph (10.5 km/h).	Check detection area setting.
The remote control is not working.	The battery on the remote control has died.	Change the battery.
	The remote control is not lined up with the sensor.	Aim the remote control directly at the sensor.