

Installation Instructions: Eco SpunBay LED High Bays

Installation Notes & Precautions:

- *Read all precautions, warnings, instructions contained in this document.*
- These instructions can be used to install our Eco SpunBay LED High Bays with an optional reflector cone.
- Installation should be performed by a qualified electrician or installer.
- This light source is not intended as an emergency exit fixture or light.
- Operating voltages: 120–277VAC or 347–480VAC
- Operating temperature range: -40 °F to 122 °F
- 0-10V dimming included.
- Optional clip-on motion/daylight sensor can be ordered for additional lighting control.
- IP65-rated and suitable for wet environments







Eco SpunBay LED High Bay





Optional Microwave Motion/Daylight Sensor
SKU #121000-C00

Warnings:

-  **WARNING – Risk of fire or electric shock. Do not alter, relocate, or remove wiring or any other electrical component. If necessary, contact a qualified electrician for assistance.**
-  **WARNING – Always disconnect power for your safety when performing the luminaire installation steps below! In some cases, it may be necessary to test the power feed with the power connected. Only connect the power when doing the testing, then disconnect the power from the luminaire when performing the steps below.**
-  **WARNING – Always follow local and regional NEMA Electrical codes. NEMA codes provide information on proper procedures, safety guidelines, proper tools, connection methods, and specifications on materials.**
-  **WARNING – Revolution Lighting Technologies, Inc. cannot and will not be liable for any modifications or results of modifications to electrical devices or luminaires. These instructions are provided as a reference. By using the included instructions, you are solely responsible for following all applicable electrical safety procedures, codes, methods, and materials. If you are unsure about any electrical modification or installation, please consult a licensed electrician or electrical contractor in your area.**

Cautions:

-  **CAUTION – Risk of electric shock.**
-  **CAUTION – Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.**

Contents:

Carefully open the boxes and check contents. Contact Revolution Lighting if any items are missing.		
Qty. 1	ECO SPUNBAY LED HIGH BAY <i>[SKU #: (as ordered)]</i>	0-10V dimmable, 100W, 150W, 200W, or 240W Eco SpunBay LED High Bay for 120-277VAC or 347-480VAC operation, as ordered
Qty. 1	REFLECTOR CONE <i>[SKU #: (included with high bay as ordered)]</i>	Reflector cone, as ordered
Qty. 1	OPTIONAL CLIP-ON MOTION/DAYLIGHT SENSOR <i>[SKU #: 121000-C00]</i>	Clip-on microwave motion/daylight sensor, if ordered

Eco SpunBay LED High Bay Installation Instructions:

STEP 1 – DISCONNECT POWER

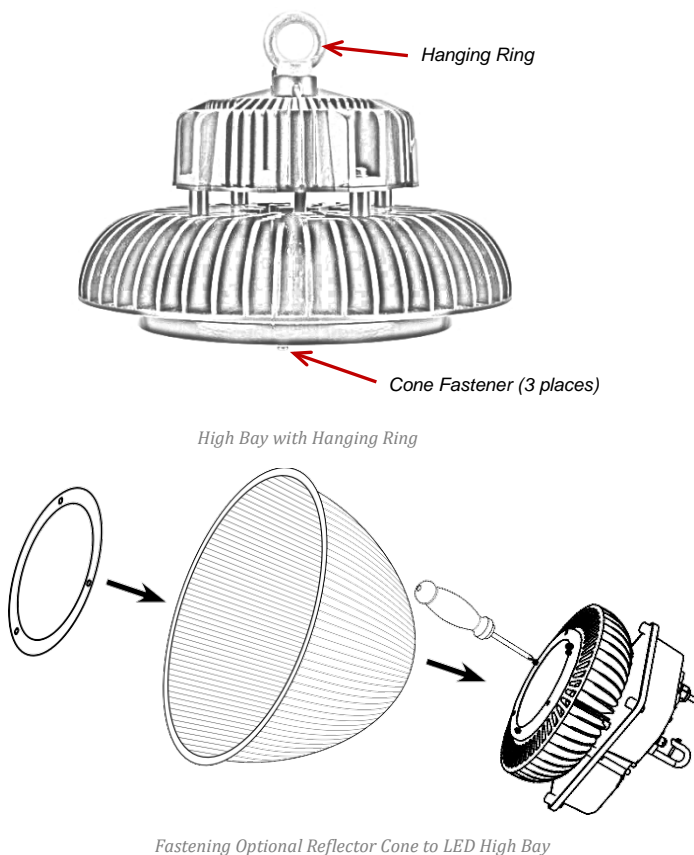


- Disconnect power to installation site.
WARNING: Ensure that all power is off using a voltmeter or other method.

STEP 2 – REMOVE EXISTING LUMINAIRE

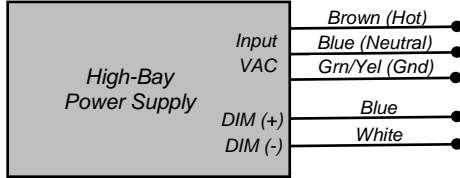
- If necessary, remove existing luminaire and dispose of it according to federal, local, company and job-site rules and regulations.

STEP 3 – HANGING THE HIGH BAY

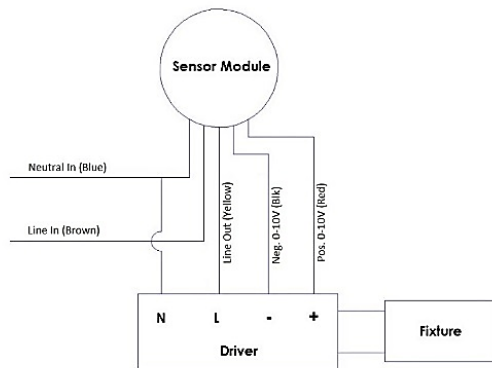


- **OPTIONAL:** To install the optional reflector cone, use a Phillips screwdriver to remove the three protruding reflector-cone fasteners from the bottom of the LED high bay. (For 70° polycarbonate reflector cone, position the white metal fastener ring onto the mounting flange inside the cone and align all three holes of this cone assembly with the three screw holes on the LED high-bay fixture.) Secure the cone to the fixture with the three cone fasteners, but do not overtighten.
- **MOUNTING:** Use the hanging ring (eyebolt) to suspend the high bay using a hanging hook, cable, or chain (not included).
CAUTION: Ensure suspension method can support fixture weight.

STEP 4 – WIRING THE HIGH BAY



Diag. 1: Wiring Diagram without Motion/Daylight Sensor



Diag. 2: Wiring Diagram with Motion/Daylight Sensor

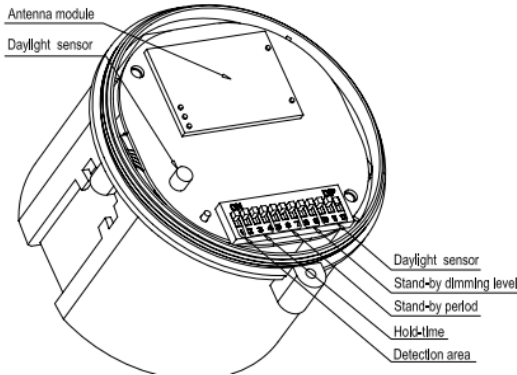
- For direct wiring of the high bay to the mains, splice the incoming hot, neutral, and ground leads to the corresponding hot (brown), neutral (blue), and ground (green/yellow) leads of the high bay using appropriate wire nuts according to the wiring diagram Diag. 1.
CAUTION: Wire colors can vary, depending on code and circumstances. Verify that hot, neutral, and ground wires are correctly identified.
CAUTION: Follow all applicable codes and regulations when wiring.
- For direct 0-10V dimming control, splice the low-voltage positive and negative dimmer-control leads to the corresponding positive (blue) and negative (white) leads on the high-bay power supply using appropriate wire nuts.
CAUTION: Wire colors for dimming systems can vary. Typical colors include blue (+) and white (-), brown (+) and yellow (-), and purple (+) and gray (-).
- For fixtures equipped with the optional motion/daylight sensor, splice incoming hot, neutral, and ground leads to the sensor and high bay as shown in Diag. 2.
NOTE: Splice the yellow lead from the sensor (load out) to the brown lead of the high bay (load), and splice all of the neutral leads together.
- Splice the red (+) and black (-) 0-10V dimming-control wires from the sensor to the blue (+) and white (-) dimming-control leads of the high bay. (See Diag. 2.)

STEP 5 – RESTORING POWER



- Switch power back on.

Optional IP65 Motion/Daylight Sensor Features & Setup:



IP65 Motion/Daylight Sensor with Lens Removed

Detection Area			
Mode	Dipswitch		Value
	1		
I	On		100%
II	Off		50%

Standby Period				
Mode	Dipswitch			Value
	5	6	7	
I	On	On	On	∞
II	Off	On	On	60 min
III	On	Off	On	30 min
IV	Off	Off	On	10 min
V	On	On	Off	5 min
VI	Off	Off	Off	5 s

Daylight Sensitivity				
Mode	Dipswitch			Value
	10	11	12	
I	On	On	On	Disable
II	Off	On	Off	200 lux
III	On	Off	Off	100 lux
IV	Off	Off	Off	50 lux

Hold Time				
Mode	Dipswitch			Value
	2	3	4	
I	On	On	On	5 s
II	Off	On	On	30 s
III	On	Off	On	90 s
IV	Off	Off	On	3 min
V	On	On	Off	20 min
VI	Off	Off	Off	30 min

Standby Dimming			
Mode	Dipswitch		Value
	8	9	
I	On	On	50%
II	Off	On	30%
III	On	Off	20%
IV	Off	Off	10%

- **Available Motion/Daylight Sensor Functions (if ordered)**
 - Adjustable Detection Area
 - 100% or 50%
 - Adjustable Hold Time
 - 5 s, 30 s, 90 s, 3 min, 20 min, 30 min
 - Adjustable Standby Period
 - Dimmed light level before shutoff: ∞, 60 min, 30 min, 10 min, 5 min, 5 s
 - Adjustable Standby Dimming Level
 - 50%, 30%, 20%, 10%
 - Adjustable Daylight Sensitivity
 - Disabled, 200 lux, 100 lux, 50 lux
- **Factory Dipswitch Settings (See adjacent drawing for dipswitch locations, etc.)**
 - Detection Area: 100%
 - Hold Time: 5 s
 - Standby Period: 5 s
 - Standby Dimming Level: 10%
 - Daylight Sensitivity: Disabled
- **Customizing Dipswitch Settings**
 - To access dipswitches of the microwave motion/daylight sensor, detach the frosted cover lens by using a small Phillips screwdriver to first remove the locking screw, then loosen the lens from the threaded housing by turning it counterclockwise.
 - To customize sensor settings, set applicable dipswitches to desired positions (On or Off), as indicated by the adjacent tables.
 - Meaning of settings
 - *Detection Area:* Extent of area covered by sensor
 - *Hold Time:* Period that light level stays at 100% after detected motion has stopped
 - *Standby Period:* Time that lamp remains at dimmed level before turning off after motion has stopped (A Standby Period of ∞ means that the lamp never switches off.)
 - *Standby Dimming:* Percentage of full light intensity to which the fixture is dimmed during the Standby Period
 - *Daylight Sensitivity:* Ambient light level at which daylight sensor prevents lamp from turning on. (Note: Daylight sensor becomes active once the lamp has already turned off from lack of motion.)
 - After the dipswitches have been set to customized sensor functions, replace the frosted lens cover by rotating it clockwise back onto the threaded housing.
 - Lock the frosted lens cover in place using a small Phillips screwdriver to re-secure the locking screw.