

TritonPro™ RS HB1 High Bay - Lumen and CCT Selectable, Gen 1

Instruction Number: P-INT-X-474



WARNING!

Risk of fire or electric shock. To reduce risk of electrical shock, turn off power supply before installation or servicing.

1. Field installers are responsible for recognizing specific site requirements and making adjustments to assure a complete, functional installation.
2. Make all power connections using UL listed components.
3. Electrical connections must be made by a qualified electrician and in accordance with NEC and local codes.
4. Do not test luminaire using electric generator before installation.
5. Proper grounding is required to ensure safety.
6. Please wear gloves to avoid injury before installation.
7. If any smoke or spark of the wire happens, please turn off the power immediately and notify relevant personnel.
8. Check if there is any damage during shipping. If so, contact manufacturer immediately.
9. Read the installation instruction carefully to check whether all the accessories are included. After confirmation, then install the fixture according to installation steps.

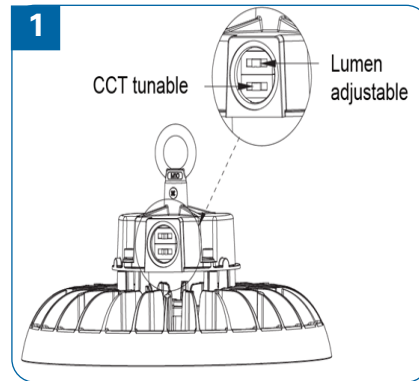
Tools Required for Installation

- Cordless drill
- Wire stripper/cutter
- Wire nuts

Field Adjustable CCT and Lumen Selection Instructions

Note: All fixtures are set to max lumen output and 5000K at the factory.

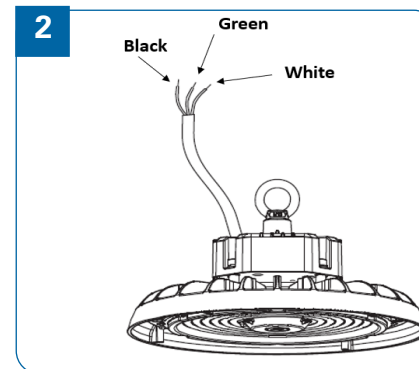
- 1 If fixture is installed, turn off power supply.
- 2 Un-screw plug with a screwdriver.
- 3 Adjust CCT by switching to 3500K, 4000K, or 5000K. Adjust the lumens by switching to desired lumen output. (See Fig.1)
- 4 Reinstall the plug and tighten flush with top surface for proper seal.
- 5 Restore power to fixture.



Standard Wiring Diagram and Instruction

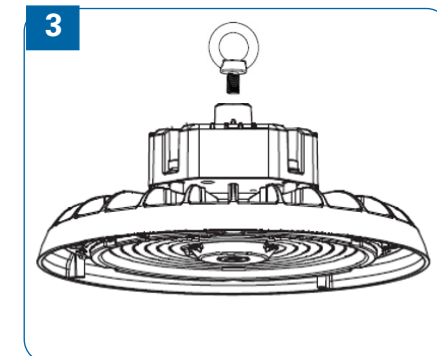
Note: This high bay is pre-wired for an optional occupancy sensor that can be installed in the field.

- 1 Turn off power supply before installation. Review product label for voltage and amperage load per fixture and use minimum 75°C supply wires.
- 2 Make all electrical connections per NEC and local codes. (See Fig. 2 for fixture wires).
- 3 Use UL listed waterproof strain relief bushing when connection the supply cord to the outlet box.
- 4 Restore power to the fixture.



Eye bolt Hook Mount Installation (Standard Included)

- 1 Screw the provided eye bolt hook into the top of the fixture and tighten (See Fig. 3).
- 2 Tighten the set screw on the fixture to prevent the eye bolt from becoming loose.
- 3 Hang the fixture on the ceiling hook or chain. Make electrical connections per NEC and local codes.

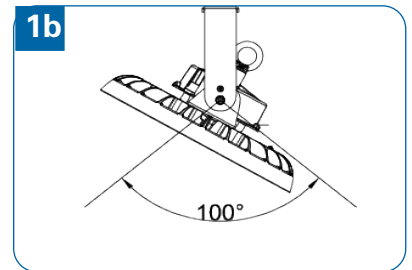
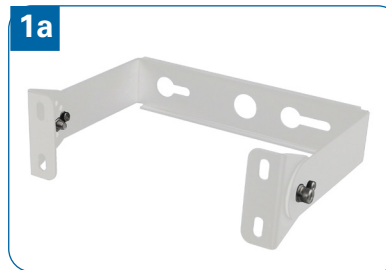


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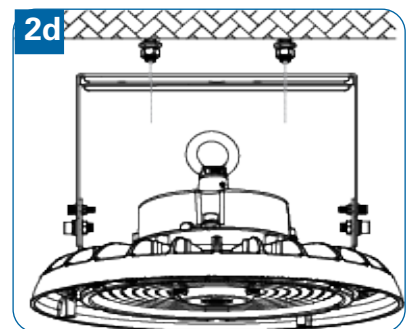
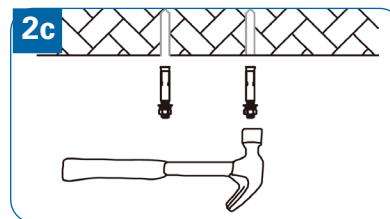
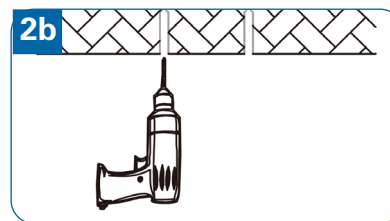
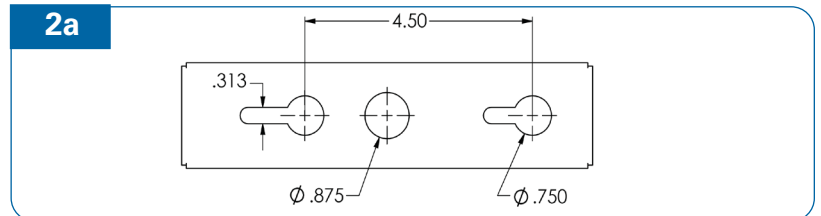
U Bracket Mount Assembly

- 1 Unassemble the U Bracket kit components (2) small fixture mount brackets, U bracket, Hardware: (6) M5 socket head screws, (8) washers, (2) M4 socket head screws, (2) M5 nuts, (2) M4 nuts (See Fig. 1a for bracket).
- 2 Attach the (2) small fixture mount brackets to the luminaire on either side using (4) M5 socket head screws and (4) washers - (2) screws and (2) washers per bracket.
- 3 Attach the U Bracket to the outside of the (2) small fixture mount brackets using (2) M5 socket head screws and (2) washers through the center hole. Tighten with (2) M5 nuts.
- 4 Use the (2) M4 socket head screws, (2) washers, and (2) nuts to lock the fixture at desired angled position (max 100° total angle adjustment- See Fig. 1b).



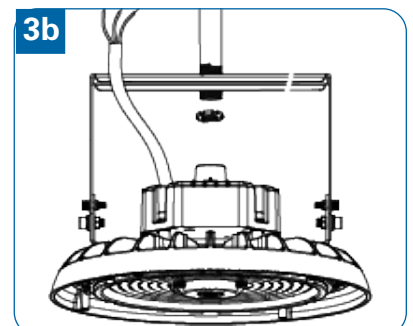
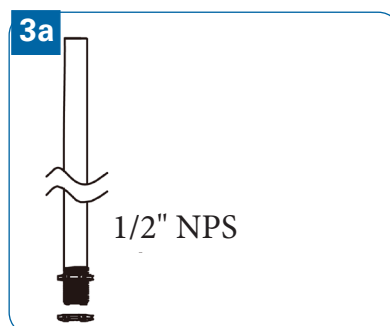
U Bracket Surface Mount Instruction

- 1 Mark drilling locations on the mounting surface and pre-drill mounting holes (See Fig. 2a and 2b).
- 2 Use a hammer to install the provided expansion bolts in the pre-drilled holes. (See Fig. 2c)
- 3 Insert the U bracket over the expansion bolts and tighten the provided nuts onto the U Bracket to secure it in place. Adjust fixture to desired position as mentioned in the U Bracket Mount Assembly (See Fig. 2d)
- 4 Make all electrical connections per NEC and local codes.



U Bracket 1/2" Conduit Installation

- 1 Remove the nut from the threaded conduit (See Fig 3a). (Note: 1/2" NPS not provided)
- 2 Insert the U Bracket through the .875" center holes. Reinstall the nut removed in Step 1 (See Fig. 3b)
- 3 Adjust fixture to desired position as mentioned in the U Bracket Mount Assembly and make all electrical connections per NEC and local codes.

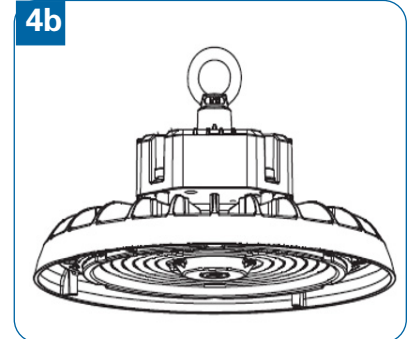
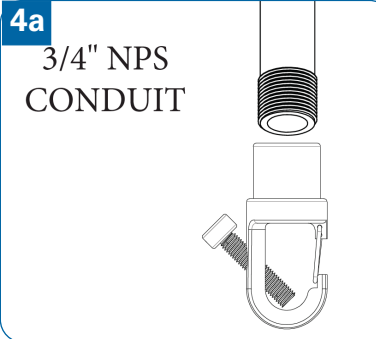


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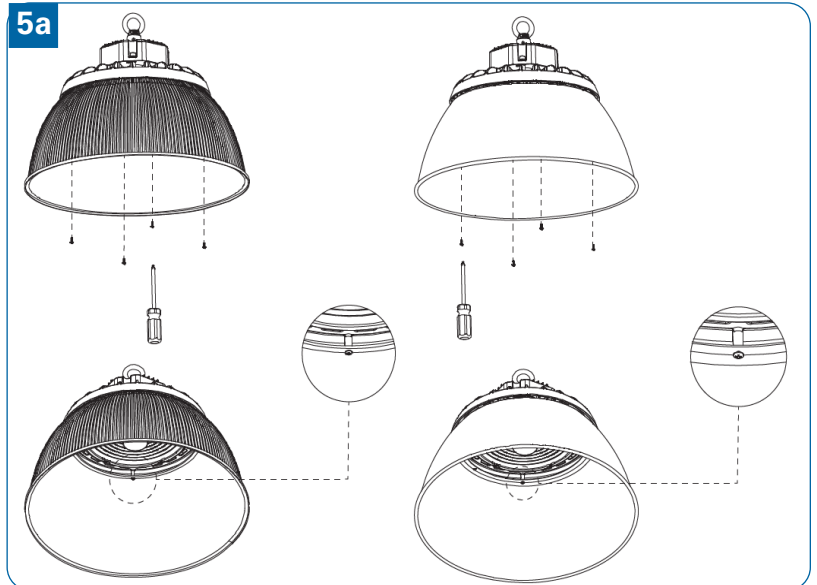
Pendent Hook Mount Instruction

- 1 Install the Pendant Hook on a 3/4" NPS conduit (conduit not provided-See Fig. 4a).
- 2 Insert the fixture eyebolt onto the Pendant Hook (See Fig. 4b)
- 3 Tighten pendant hook screw set. Make all electrical connections per NEC and local codes.



Polycarbonate Refractor / Aluminum Reflector Installation

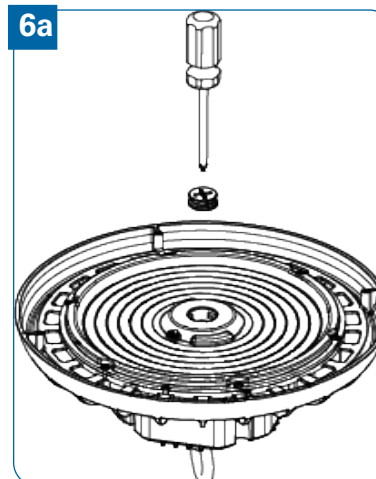
- 1 Locate the screw holes on the fixture heat sink.
- 2 Align the reflector or refractor holes with the holes on the fixtures heat sink and attach with the provided (4) screws (See Fig. 5a).



Sensor Field Installation

Note: This high bay comes standard with Sensor Base for installation a PIR or Microwave occupancy sensor in the field.

- 1 Use a screw driver to remove the 1/2" plug from the sensor base (See Fig. 6a).
- 2 Ensure gasket is properly in place on sensor module.
- 3 Screw sensor module until snug for watertight seal (See Fig. 6b).



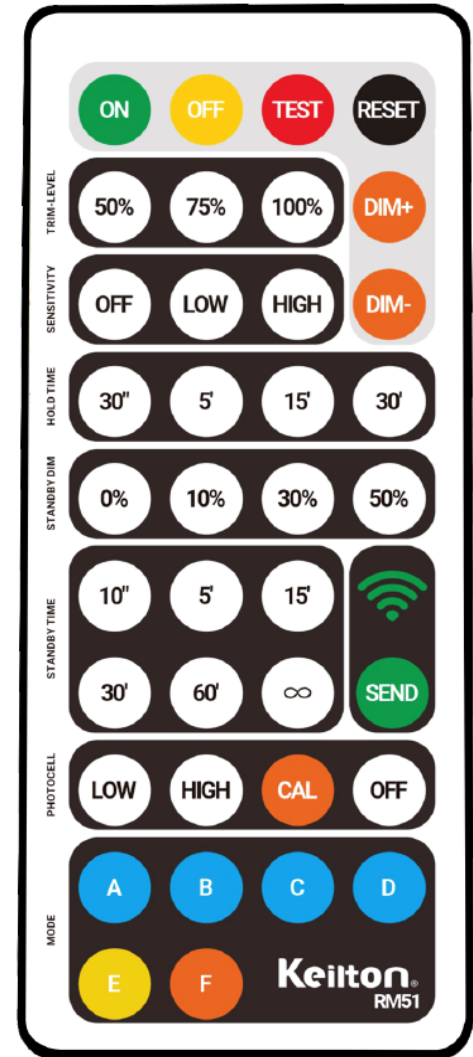
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RM51 - Vealite Keilton Sensor IR Remote Controller (For EFS06R and ERS07-AUX-HB40 Sensors)

Note: The distance between the remote to the sensors is maximum 26', but could be affected by different environments

ON	Turns On Luminaires
OFF	Turns OFF Luminaires
TEST	Test mode will last 5 mins then return to previous setting Test mode will hold time 2 seconds SDL 50% and standby time 2 seconds
RESET	Trim-High=100%,sensitivity=High,T1=5min,Standby Dim=30%,T2=60min,Photocell=OFF
DIM+/-	Remote will manually dim luminaire up or down by increments of 0.5volts. Must be smooth dimming if holding dimming button.
TRIM-LEVEL	Set Maximum threshold value 50/75/100%
SENSITIVITY	OFF(PIR OFF Enter PC ON/OFF function)/LOW(50%)/HIGH (100%)
HOLD TIME	(time of no occupancy after which fixture goes to stand by) 30s / 5min / 15min / 30min
F MODE DAYLIGHT HARVESTING	(Enable/Disable) Measure and set feature to allow the fixture to maintain a light level. If turned ON.
STANDBY DIM	Select any standby dim level 0/10/30/50%
STANDBY TIME	Stand by time - 10s / 5min / 15min / 30min / 1h / ∞. "∞" means the stand-by time is infinite and the fixture is effectively controlled by the daylight sensor)
PHOTOCELL	LOW (1fc) / HIGH (50fc)/CAL Collecting The current Lux Level OFF
MODE	Set settings to a Program profile A to F
SEND	Send settings to sensor
DEFAULT MODE A	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%,T2=∞,Photocell=CAL
DEFAULT MODE B	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%,T2=15min,Photocell=CAL
DEFAULT MODE C	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%,T2=15min,Photocell=OFF
DEFAULT MODE D	Trim-Low=50%,sensitivity=low,T1=30s,Standby Dim=50%,T2=30min,Photocell=CAL
DEFAULT MODE E	Manual Mode,Trim-High=100%
DEFAULT MODE F	Daylight Harvesting,Trim-Low=50%,sensitivity=low,T1=15min



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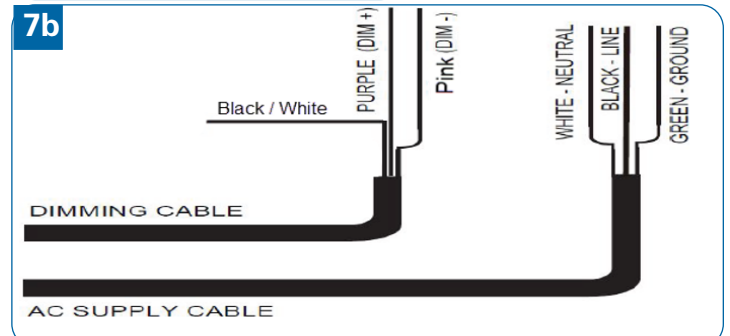
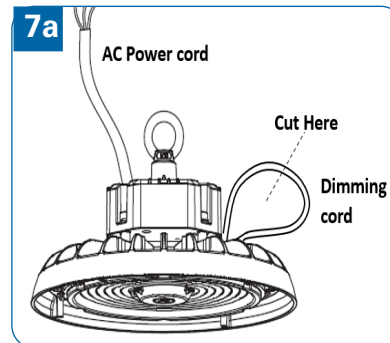
RSHB-BB40/RSHB-BB30 Emergency Battery Back Up

RSHB1 Fixture Preparation for Wiring



NOTE: UNV (120-277v) fixtures only.

- 1 Untie the 3.3ft of Dimming Cable attached on top of the heatsink.
- 2 Cut the Dimming Cable on center, at approximately 1.5ft (18 inch) from each end (See Fig. 7a and 7b).
- 3 Strip back 2" of the insulation jacket for each cut ends of the Dimming cable.



RSHB1 Emergency Battery Assembly

- 1 Install eyebolt (provided) to TOP threaded hole of the Emergency Driver and secure with set screw. Charging Indicator Light is at BOTTOM end. TOP end area as only 2 cable entries.

CAUTION: Make sure you select correct cable gland.

Dimming cable is smaller diameter compare to AC cable.

(Fig. 8a)

- 2 Install watertight cable gland provided to each cable entries. Two dimming cable glands to BOTTOM RIGHT side entries. One AC cable gland to BOTTOM LEFT side entry close to the indicator light. One AC cable gland to TOP RIGHT side entry.
- 3 Assemble M10 threaded connection rod (included in RSHB-BB) to BOTTOM hole on RSHB Emergency Battery assembly.
- 4 Assemble RSHB Emergency Battery Assembly to RSHB fixture by the connection rod and secure with set screw (See Fig. 8b for full assembly).



Dimming Cable Gland Small insert: 0.16"-0.19" cable Diameter



AC Cable Gland Large insert: 0.19"-0.35" cable Diameter



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RSHB-BB40/RSHB-BB30 Emergency Battery Back Up Wiring

Turn off power before wiring.

- 1 Open RSHB Emergency Battery electrical cover.
- 2 Use the wiring diagram below, making all connections inside the RSHB Emergency Battery enclosure. Make all electrical connections per NEC and local codes.
- 3 Connection #1: Pull Dimming Cable end from Sensor base through cable gland on BOTTOM right side.
- 4 Connect dimming wires (purple and pink). Connect Black/White wire to Red 12v DC wire.
- 5 Connection #2: Pull Dimming Cable end from Driver through cable gland on BOTTOM right side.
- 6 Connect dimming wires (purple and pink). Cap off Black/White (not used) wire from Driver.
- 7 Connection #3: Pull AC Power Cable from Driver through cable gland on BOTTOM left side.
- 8 Connect AC Power Cable wires (Black, White, Green)
- 9 Connection #4 and #5: Pull AC Input Power Cable (Not provided) through cable gland at TOP right side.
Note: AC Input Power Cable must be .350" diameter or less.
- 10 Connect AC Input wires (Red, Black, White).
- 11 Connect ground wire (Green).
- 12 Cap off all unused wires.
- 13 Review Emergency Battery manufacturer instructions and wiring provided.
- 14 Inspect and make sure sealing gasket is correctly in place.
- 15 Replace RSHB Emergency Battery electrical cover.

