RAB®
LIGHTING

AL™ WALL MOUNT INSTALLATION INSTRUCTIONS

Friendly Cutoff Area Lighting

AL™
AREA LIGHTING

Thank you for buying RAB lighting fixtures. Our goal is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000, or email: marketing@rabweb.com
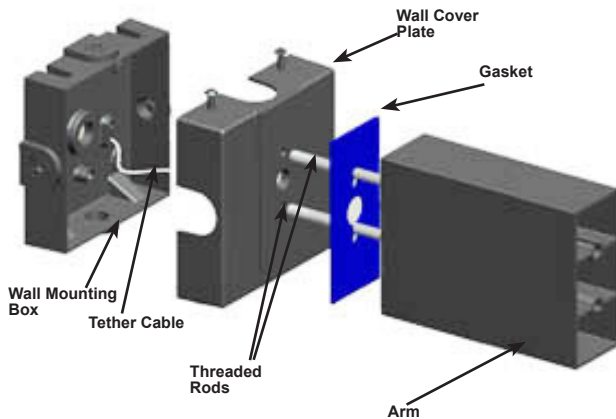
IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. This 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.
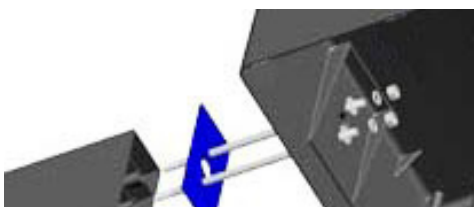
WARNING: Make certain power is OFF before installing or maintaining fixture.

WALL MOUNT

1. Open the fixture and remove the ballast cover.

2. Mount Arm Assembly to Fixture:

    a. Thread the **Threaded Rods** into the **Wall Cover Plate**.

    b. Place **Gasket**, **Arm** and 2nd Gasket onto the **Threaded Rods**.

    c. Feed the fixture wires through the **Arm**, through the **Wall Cover Plate** to the **Wall Mounting box**.

Wall Cover Plate
Gasket
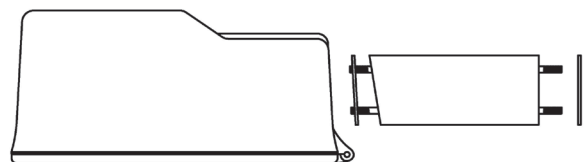Wall Mounting Box
Tether Cable
Threaded Rods
Arm

3. Mount Arm Assembly to the fixture. Secure the **Threaded Rods** with flat washers, lockwashers and nuts provided on the inside of the fixture.

4. To mount the **Wall Mounting Box** and hang the fixture:

    a. Feed supply wires through the **Wall Mounting Box**. Orient box with "TOP" on the top.

    b. Secure to a sturdy wall with hardware appropriate for the mounting surface.

    c. Bring fixture up to the **Wall Mounting Box** and slide the **Tether Cable** from fixture & **Wall Cover Plate** assembly in to the keyhole slot for hands free wiring.

    d. Wire the fixture using UL approved wire connectors and according to NEC and local codes.

    e. Place wired fixture over the **Wall Mount Box** and tighten the top (2) screws, then tighten the lower (2) screws. Apply sealant to all unused conduit entry points.
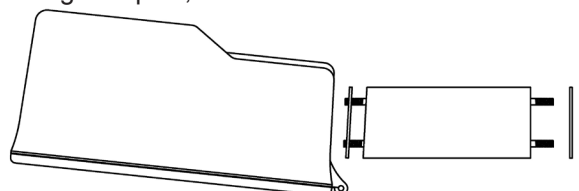
FIXED ARM
For full cutoff, mount arm oriented as shown below.

UP TILT FIXED ARM
For 6 degree up tilt, mount arm oriented as shown below.

RAB fixture designs are protected under
U.S. and International Intellectual Property laws.
Patent pending.

RAB® LIGHTING

AL™ WALL MOUNT INSTALLATION INSTRUCTIONS
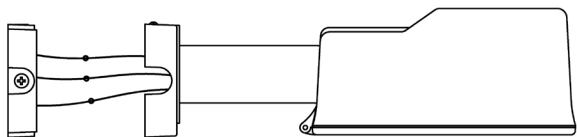
LAMP INSTALLATION

CAUTION: Prior to installing, check that the lamp is the correct ANSI type and wattage. Observe lamp manufacturer's recommendations on lamp operation, ballast type and burning positions.

1. Disconnect power. Make sure fixture and lamp are cool enough to touch.

2. Loosen (4) screws from the door of the fixture. Screws will remain captive to door. Open and swing door down on hinges.

3. Fully screw the lamp into the socket.

4. Before closing door, make sure door gasket is properly seated all around the door.

5. Check that all mounting bolts are tight.

6. Close door. Tighten screws.

WIRING

All units are factory wired for 277V, except for units with a requested 120V Photocell("/PC"). If voltages other than 277V are required, remove ballast cover and rewire for the appropriate voltage.

1. Connect the black fixture lead to the (+) LINE supply lead.

2. Connect the white fixture lead to the (-) COMMON supply lead.

3. Connect the Ground wire from fixture to supply ground.

4. All unused leads must be capped and insulated.

CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean glass lens with non-abrasive glass cleaning solution.

2. As lamps age, light output diminishes. Mass re-lamping at regular intervals ensures full light output at the highest efficiency.
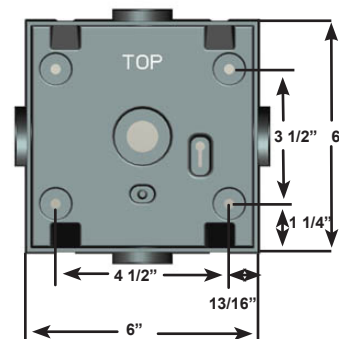
REPLACEMENT LAMPS AND BALLASTS

Wattage	RAB Lamp Catalog#	ANSI Code	RAB Ballast Catalog#
High Pressure Sodium			
250	LHPS250	S50	BHPSH250QT
400	LHPS400	S51	BHPSH400QT
Metal Halide			
175	LMH175MOG	M57	BMHH175QT
200PS	LMH200PS	M136	BMHH200PSQ
250	LMH250	M58	BMHH250QT
250PS	LMH250PS	M153	BMHH250PSQ
320PS	LMH320PS	M154	BMHH320PSQ
350PS	LMH350PS	M131	BMHH350PSQ
400	LMH400Z	M59	BMHH400QT
400PS	LMH400PS	M155	BMHH400PSQ

480V Ballasts are available, consult factory.

TROUBLESHOOTING

1. Is the proper lamp installed? Check the wattage and ANSI code on the fixture label against markings on the lamp. Refer to Replacement Lamp table above for verification.

2. Make sure the lamp is not defective. Try a lamp known to be in operating condition.

3. Check that the line voltage at fixture is correct. Refer to wiring directions.

4. Is there voltage at the lamp socket? If there is no voltage, check all connections.

5. Is the fixture grounded properly?

6. Is the photocell functioning properly (if used)?

WALL MOUNT DETAIL

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.