

INSTRUCTIONS

HAZFX™ INSTALLATION



RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com



30W/60W



100/150/200W

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. No user serviceable parts inside.

CAUTION: TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES, DISCONNECT THE LUMINAIRE FROM SUPPLY CIRCUIT BEFORE OPENING. KEEP TIGHTLY CLOSED WHEN IN OPERATION.

CLASS I DIV. 1 GROUP A, B, C, D.

Min 90°C Supply Conductors. Suitable for Wet Locations.

YOKE MOUNTING

The fixture is suitable for indoor/outdoor applications in wet locations.

1. Mark the surface or wall as appropriate as shown in Fig 1. Use suitable **Fasteners (by others)** for the **Mounting Surface**. Reference Fastener drill points (Fig. 1).
2. Attach the provided **Tether Cable** to suitable structure to prevent the fixture from falling (Fig. 2).
3. Loosen (18) **Captive Screws** on fixture **Access Door** as shown in Fig. 3. Open fixture **Access Door**, pre-installed tether cables will prevent **Access Door** from falling.
4. Remove **3/4" NPT Nut** (Fig. 3) and install appropriate conduit/fitting, use appropriate thread sealer for fitting (4 conduit entry points are available). Pass the supply wires in the conduit through the **Conduit Entry**. Connect to the **Terminal Block** (Fig. 4) using proper polarity. Wire according to NEC and all applicable codes (Fig. 17).
5. Close the **Access Door** with (18) **Captive Screws** (Fig. 3).
Note: The required torque for Captive Screws for securing the Access Door is 10.7 to 12.4 in-lbs.
6. Threaded NPT Plug or conduit must be used in ALL conduit openings. When installing the **NPT Nut** or conduit during installation or maintenance, make sure to take good waterproof measures on the threads of the fittings or plugs (Fig. 5).
7. To adjust the fixture to desired angle loosen the **Pivot** and **Locking Screws** (Fig. 6). Adjust fixture to desired angle, tighten **Pivot** and **Locking Screws**.

Fig: 1

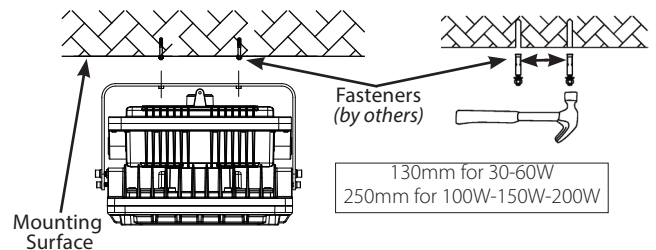


Fig: 2

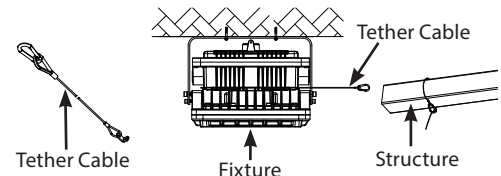


Fig: 3

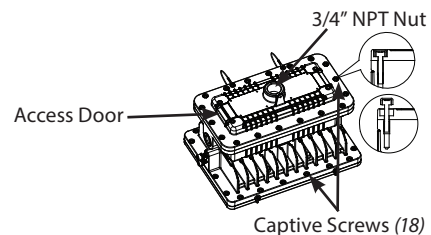
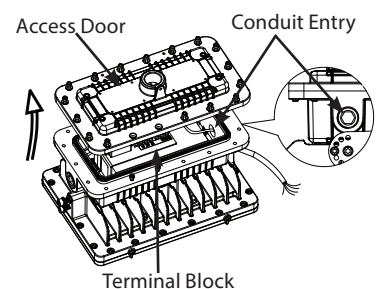


Fig: 4



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Fig: 5

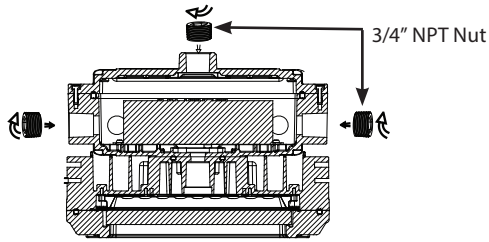
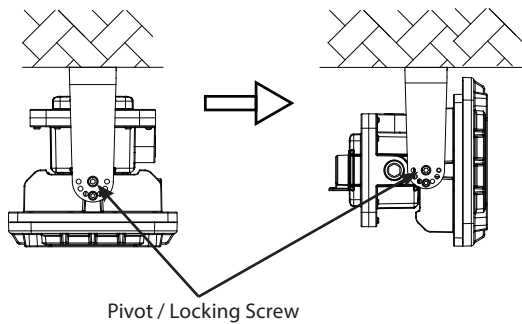


Fig: 6



SLIPFITTER MOUNTING

WARNING: RISK OF SERIOUS INJURY OR DEATH!
DO NOT MOUNT THE SLIPFITTER TO A TENON OR BRACKET THAT IS MORE THAN 20 DEGREES FROM VERTICAL. MOUNTING ANY ANGLE OTHER THAN 0 - 20° DEGREES INCREASES THE RISK OF DISENGAGEMENT AND/OR FAILURE OF THE SLIPFITTER. INSTALL THE POLE ON A SECURE BASE OR INSTALL THE BRACKET TO A WALL FIRST, THEN PLACE LUMINAIRE ONTO THE POLE OR BRACKET. DO NOT LIFT ASSEMBLED LUMINAIRE AND POLE, OR LUMINAIRE AND BRACKET, LUMINAIRE OR POLE/BRACKET MAY DISENGAGE.

Note: Wires must be in conduit and may not pass through the slipfitter. Wires may not be exposed.

1. Loosen (4) **Locking Bolts** on **Slipfitter** (Fig 7).
2. Place the **Slipfitter** onto the **Pole** or **Tenon** and tighten the (4) **Locking Bolts** to secure **Slipfitter** to **Pole/Tenon** (Fig. 8).
3. To adjust the fixture to desired angle loosen the **Pivot Bolt** and adjust. Fixture adjustable angle range is 0° to +/-90°. Tighten the **Pivot Bolt** (Fig. 9).
4. Attach the provided **Tether Cable** to suitable structure to prevent the fixture from falling (Fig. 2).
5. Loosen (18) **Captive Screws** on fixture **Access Door** as shown in Fig. 3.

6. Open fixture **Access Door**, pre-installed **Tether Cable** will prevent **Access Door** from falling.
7. Remove 3/4" **NPT Nut** (Fig. 3) and install appropriate conduit/fitting, use appropriate thread sealer for fitting (4 conduit entry points are available). Pass the supply wires in the conduit through the **Conduit Entry**. Connect to the **Terminal Block** (Fig. 4) using proper polarity. Wire according to NEC and all applicable codes (Fig. 17).
8. Close the **Access Door Cover** with (18) **Captive Screws** (Fig. 3). **Note: The required torque for Captive Screws for securing the Access Door is 10.7 to 12.4 inch-lbs.**
9. All conduit openings must be closed by conduit or **NPT Nut**. When installing the **NPT Nut** or conduit during installation or maintenance, make sure to take good waterproof measures on the threads of the fittings or plugs (Fig. 5).

Fig: 7

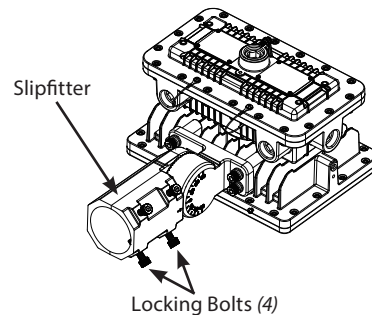


Fig: 8

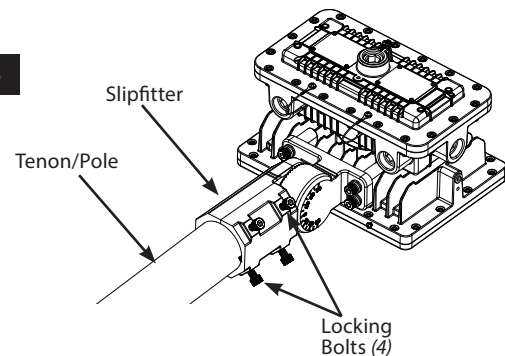
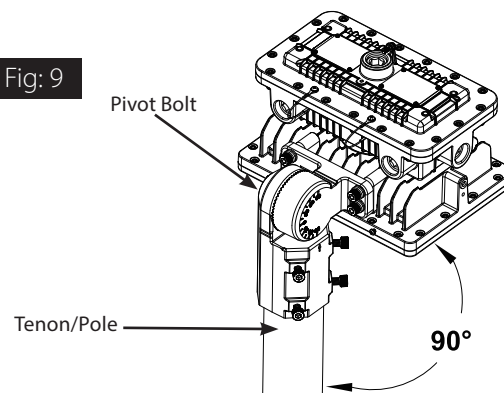


Fig: 9



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ADJUSTABLE ARM MOUNTING

Adjustable Arm sold separately model # HAZFF-ADJ-ARM.

Note: Wires must be in conduit and may not pass through the Adjustable Arm to the Fixture. Wires must not be exposed.

1. Install **Adjustable Arm** onto the fixture with (4) **Arm Mounting Bolts** (provided) as shown in Fig. 10.
2. Refer to **Pole Drilling Detail**, see Fig. 16.
3. Secure **Adjustable Arm** with provided gasket(s) for **Square** or **Round Pole** using (2) **Bolts** and **Bolster Plate** (provided), see Fig. 10, 11 and 12. For **Round Pole** mounting remove **Curved Gasket**.
4. To adjust the fixture to desired angle remove **Arm Side Cover Plate** by loosening (4) **Captive Screws** (Fig. 11 and 12). Locate the **Locking Bolt** inside the **Adjustable Arm** and loosen the **Locking Bolt** to adjust the fixture to desired angle then tighten the **Locking Bolt**. Replace **Arm Side Cover Plate** and **Side Cover Gasket**. Use caution that the **Side Cover Gasket** is properly seated. Adjustable angle is 0 to $\pm 35^\circ$ (Fig. 12).
5. Attach the provided **Tether Cable** to suitable structure to prevent the fixture from falling (Fig. 2).
6. Loosen (18) **Captive Screws** on fixture **Access Door** as shown in Fig. 3.
7. Remove **3/4" NPT Plug** and install appropriate conduit/fitting, use suitable thread sealer for fitting. Pass the supply wires in the conduit through the **Conduit Entry**. Connect to the **Terminal Block** (Fig. 4) using proper polarity. Wire according to NEC and all applicable codes (Fig. 17).
8. Close the **Access Door Cover** with (18) **Captive Screws** (Fig. 3).
Note: The required torque for Captive Screws for securing the Access Door is 10.7 to 12.4 inch-lbs.
9. All conduit openings must be closed by conduit or **NPT Plug**. When installing the **NPT Plug** or conduit during installation or maintenance, make sure to take good waterproof measure on the

Fig: 10

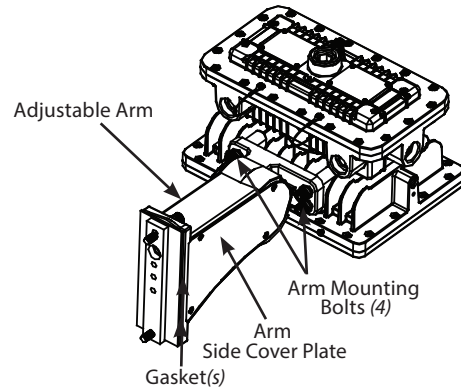


Fig: 11

Adjustable $\pm 35^\circ$

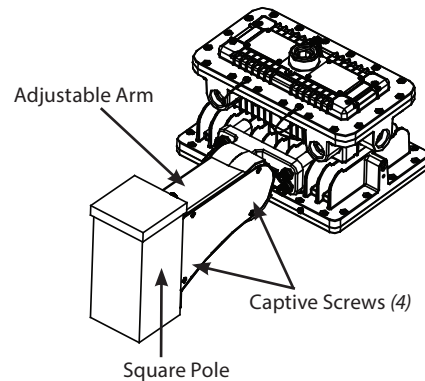
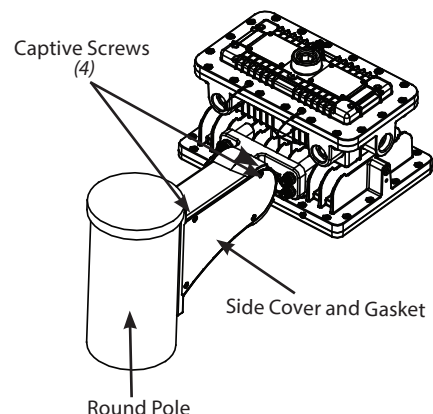


Fig: 12



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WIRE GUARD INSTALLATION

Wire Guard is sold separately model # GDHAZFXS, GDHAZFXL.

1. Place **Wire Guard** on the fixture and align **Wire Guard** holes to fixture holes as shown in Fig. 13.
2. Secure the **Wire Guard** on the fixture using (4) **Screws (provided)**.
3. **Wire Guard** and **Housing Hood** can be installed together (Fig. 15) by first installing **Wire Guard** then installing **Housing Hood**.

Fig: 13

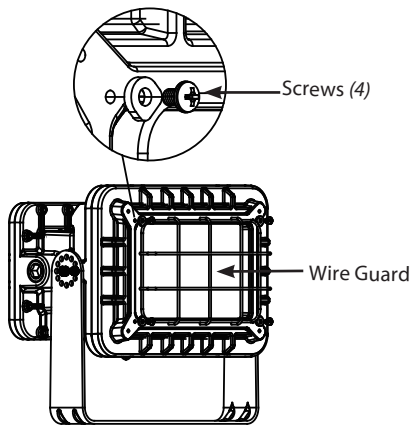
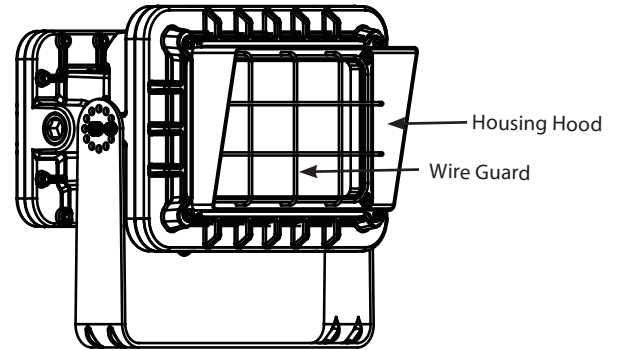


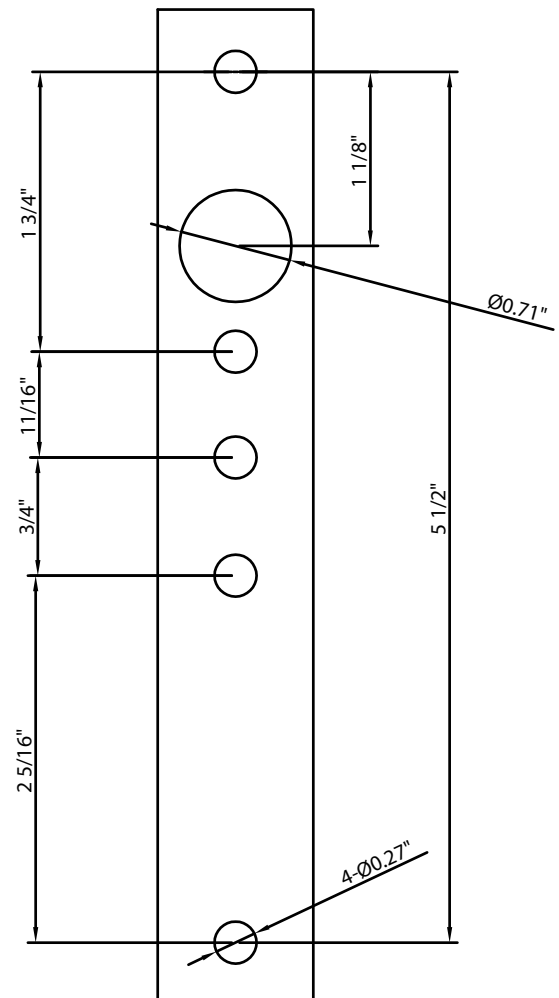
Fig: 15



POLE DRILLING DETAIL

Dimensions of the holes on the RPA and Bracket.
This template is not to scale. Please use measurements shown in Fig. 16.

Fig: 16

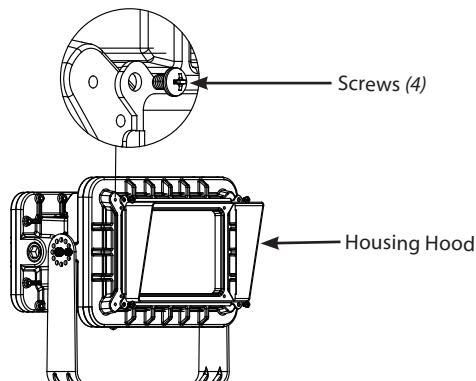


HOUSING HOOD INSTALLATION

Housing Hood is sold separately model # HHAZFXS, HHAZFXL.

1. Place **Housing Hood** on the fixture and align **Housing Hood** holes to fixture holes as shown in Fig. 14.
2. Secure the **Housing Hood** on the fixture using (4) **Screws (provided)**.
3. **Wire Guard** and **Housing Hood** can be installed together (Fig. 15) by first installing **Wire Guard** then installing **Housing Hood**.

Fig: 14



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0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. Units ordered with /480 suffix are 480 ONLY. For 0-10V dimming follow the wiring directions as shown below (Fig. 17).

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.
Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the pink fixture lead to the (V-) DIM lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?

CLEANING & MAINTENANCE

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

1. Clean lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LEDs. Do not touch the LEDs.

Fig: 17

