

## ISON™ Area Light Installation Instructions

Instruction Number: P-INT-X-433

Product Series: IAHP1



### WARNING!

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

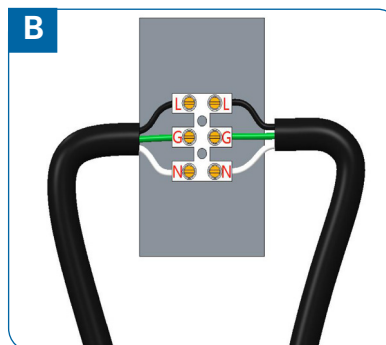
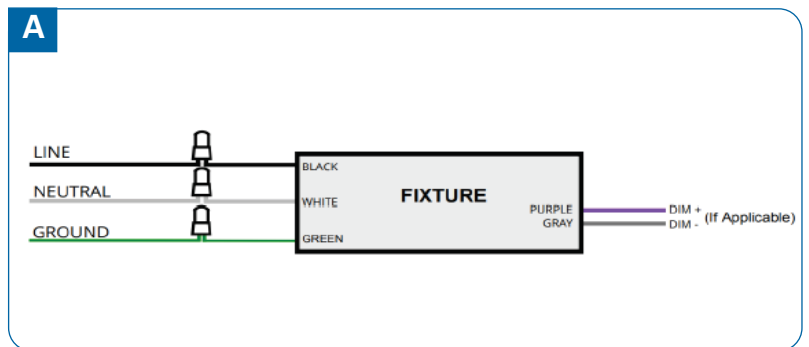
1. Field installers are responsible for recognizing specific site requirements and making adjustment to assure a complete, functional installation.
2. Electrical connections must be made by a qualified electrician and in accordance with NEC and local codes.
3. Make all power connections using UL listed components.
4. Make sure the supply voltage is the same as the rated voltage of the luminaire.
5. Do not install in a hazardous atmosphere.
6. Proper grounding is required to ensure safety.
7. Please wear gloves to avoid injury before installation.
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.
10. Appropriate safety equipment needed during installation, to be determined by installer and per applicable safety standards and precautions.

### Tools Required for Installation

- Cordless drill
- Philips Screwdriver
- Wire stripper/cutter
- Wire nuts
- 13mm Socket for M8 Hex Head Bolt
- Allen Hex Key Size:
  - 3mm for M4 Socket Head Bolt
  - 6mm for M8 Socket Head Bolt
  - 14mm for M16 Socket Head Bolt

### Wiring Instructions

- 1 Turn off power supply before installation. Review product label for voltage and amperage load per fixture.
- 2 Make all electrical connections per NEC and local codes (and reference Fig. A and Fig. B). Cap each dimming wires separately if not used.
- 3 Restore power to fixture.



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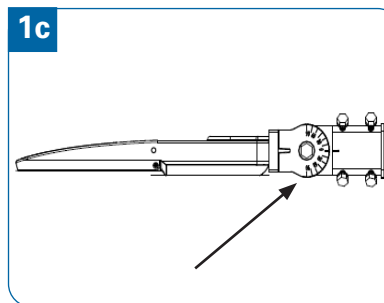
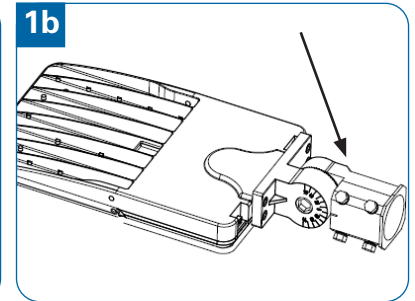
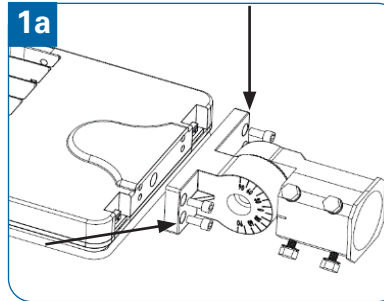
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### Slip Fitter Mount Installation (EXT-IAHP-SFT)

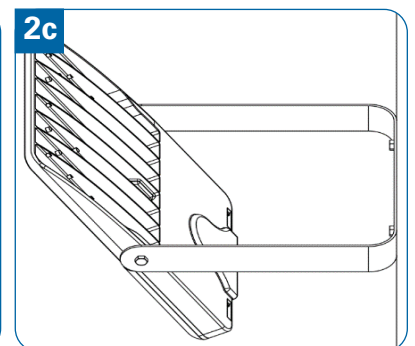
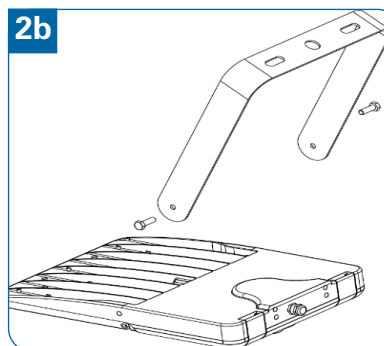
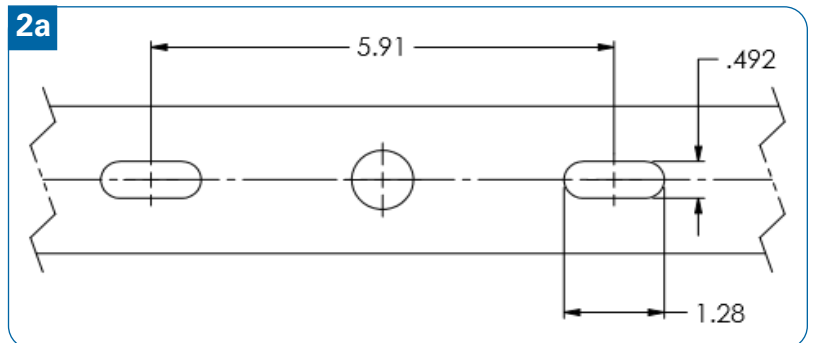
**Note:** This slipfitter can adapt to 2 3/8" tenon

- 1 Assemble slip fitter bracket onto fixture using the M8 bolts (4 bolts provided). Torque each bolt to 70 in-lb. (See Fig. 1a)
- 2 Remove the set screws (4 screws provided). (See Fig. 1b)
- 3 Make electrical connections inside the pole per NEC and local codes and reference wiring instructions.
- 4 Route power supply cable inside pole and slide fixture assembly in place.
- 5 Insert the M8 set screws and torque each to 70 in-lb. (See Fig. 1b)
- 6 Adjust arm to desired angle and torque M16 bolt to 84 ft-lbs). (See Fig. 1c)



### Yoke Mount Installation (EXT-IAHP-YKS, -YKM, -YKL)

- 1 Mark drilling locations on mounting surface and pre-drill the mounting holes. (See Fig. 2a)
- 2 Install proper anchor for fixture weight (anchor not provided) in the pre-drilled holes.
- 3 Align the yoke bracket of the fixture. Secure and adjust in place using the (2) M8 bolts. (See Fig. 2b)
- 4 Install yoke onto surface using proper hardware (not provided).
- 5 Route power supply cable in a junction box and make electrical connections inside the pole per NEC and local codes and reference wiring instructions.
- 6 Adjust fixture aiming angle and tighten M8 bolts, torque each bolt to 70 in-lb. (See Fig. 2c)



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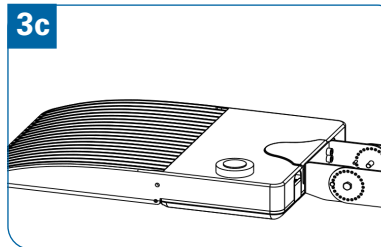
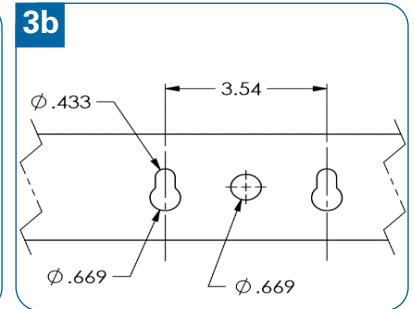
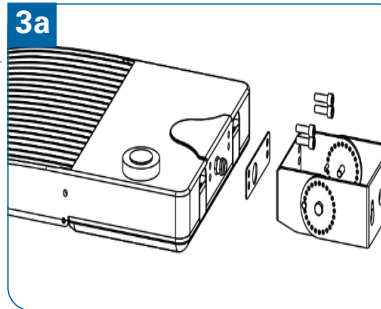
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### Trunnion Mount Installation (EXT-IAHP-TRN)

**Note:** This mounting kit can adapt to a min. 5.5" square pole

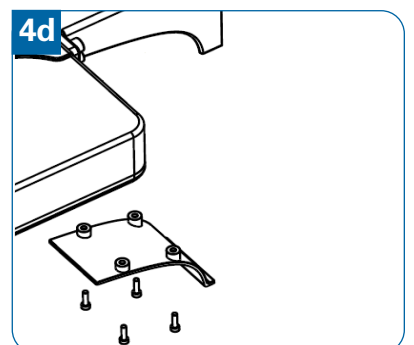
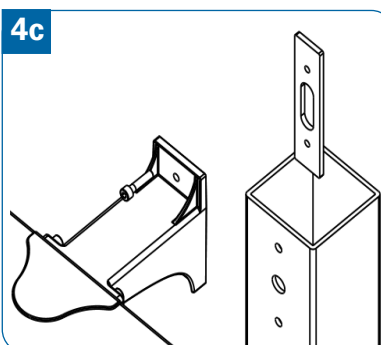
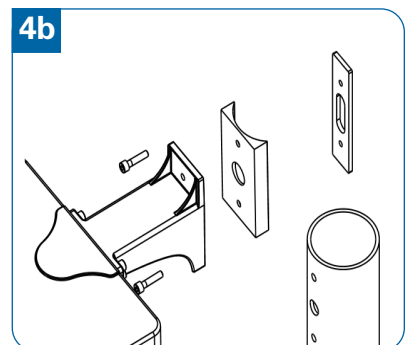
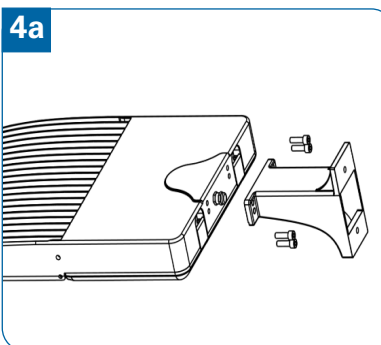
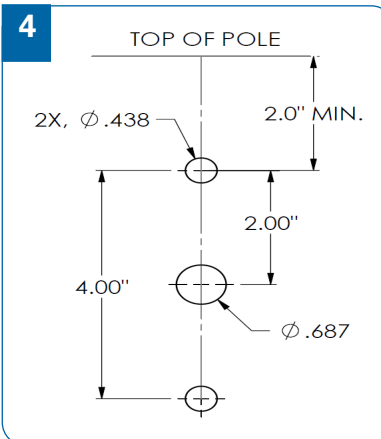
- 1 Place gasket on fixture surface and align trunnion bracket to 4 holes on fixture. Tighten bracket in place using the M8 bolts (4 bolts provided). Torque each bolt to 70 in-lb. (See Fig. 3a)
- 2 Mark drilling locations on mounting surface and drill the pre-drill mounting holes. (See Fig. 3b)
- 3 Install proper anchor for fixture weight (anchor not provided) in the pre-drilled holes.
- 4 Install fixture onto surface using proper hardware (not provided).
- 5 Loosen angle adjustment set screw. Align to desired position. Tighten set screw. (See Fig. 3c)
- 6 Route power supply cable in a junction box and make electrical connections inside the pole per NEC and local codes and reference wiring instructions.



### Universal Pole Mount Installation (EXT-IAHP-UPM)

**Note:** This mounting kit can adapt to 4" round or 3" square poles.

- 1 Mark Pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 4. Remove wiring access cover plate on bracket.
- 2 Assemble fixture bracket onto fixture using the M8 bolts (4 bolts provided). Torque each bolt to 70 in-lb. (See Fig. 4a)
- 3 Place back plate inside pole. For round pole also use bracket adapter. (See Fig. 4b)
- 4 Insert M8 bolts (2 bolts provided) through bracket and tighten into back plate. Torque each bolt to 70 in-lb. (See Fig. 4b or Fig. 4c)
- 5 Route power supply cable inside arm and make electrical connections inside the pole per NEC and local codes and reference wiring instructions.
- 6 Replace wiring access cover plate. (See Fig. 4d)



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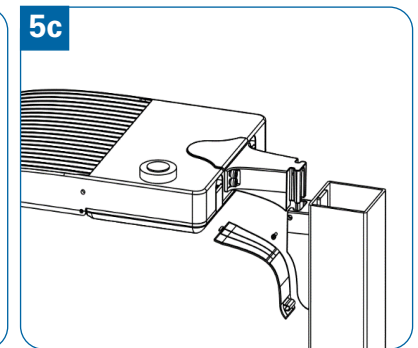
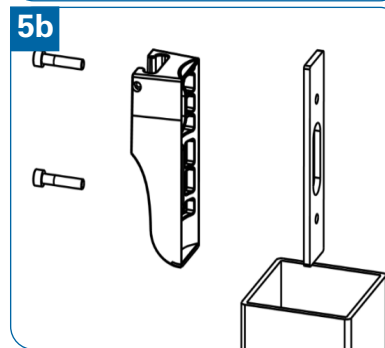
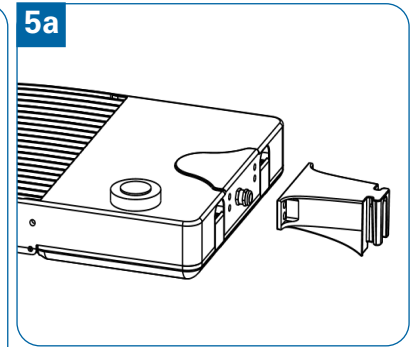
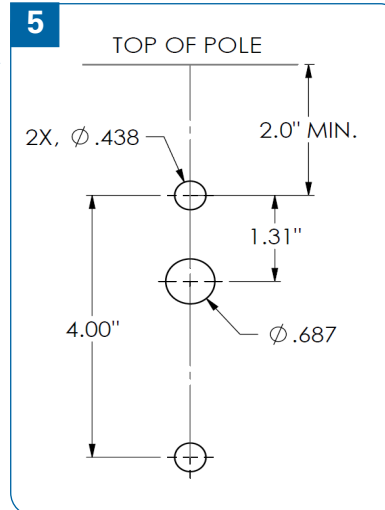
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### Slide and Lock Installation (EXT-IAHP-SLM)

**Note:** This mounting kit can adapt to 3"-4" round or min. 3" square poles

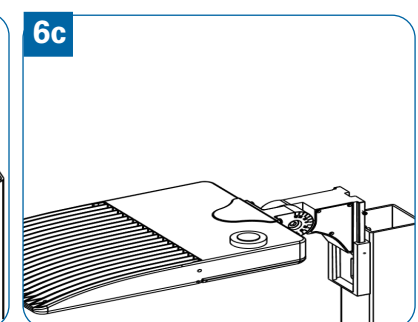
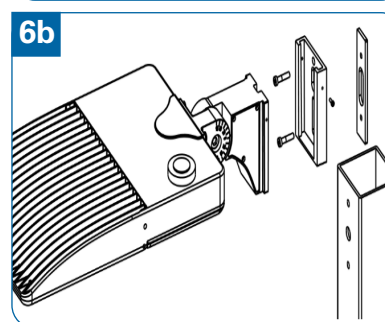
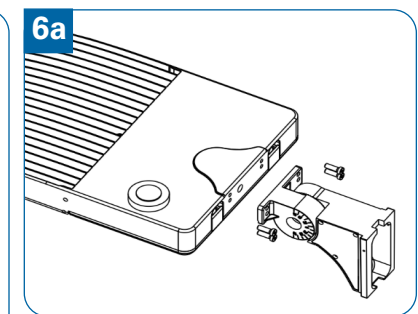
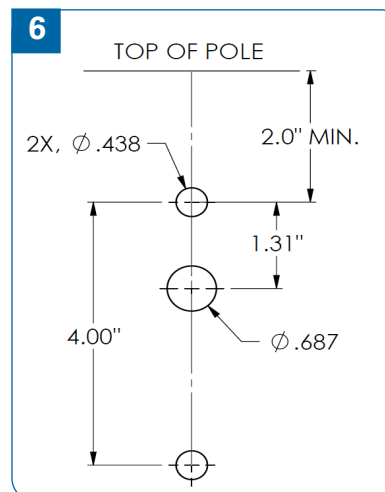
- 1 Mark Pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 5. Remove wiring access cover plate on bracket.
- 2 Assemble fixture bracket onto fixture using the M8 bolts (4 bolts, provided). Torque each bolt to 70 in-lb. (See Fig. 5a)
- 3 Place back plate inside pole. For round pole remove the bracket adapter. (See Fig. 5b)
- 4 Insert M8 bolts (2 bolts provided) through bracket and tighten into back plate. Torque each bolt to 70 in-lb. (See Fig. 5b)
- 5 Slide fixture assembly onto bracket and lock in place using M4 screw (1 screw provided). Torque to 11 in-lbs. (Fig. 5c)
- 6 Route power supply cable inside arm and make electrical connections inside the pole per NEC and local codes and reference wiring instructions.
- 7 Replace wiring access cover plate. (See Fig. 5c)



### Adjustable Arm Mount Installation (EXT-IAHP-ADJ)

**Note:** This arm can only adapt to min. 4" square poles.

- 1 Mark Pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 6. Remove wiring access cover plate on bracket.
- 2 Assemble fixture bracket onto fixture using the M8 bolts (4 bolts provided). Torque each bolt to 70 in-lb. (See Fig. 6a)
- 3 Place back plate inside of pole. Insert M8 bolts (2 bolts provided) through bracket and tighten into back plate. Torque each bolt to 70 in-lb. (See Fig. 6b)
- 4 Slide fixture assembly onto bracket and lock in place using M4 screw (1 screw provided). Torque to 11lbs. (See Fig. 6c)
- 5 Route power supply cable inside arm and make electrical connections inside the pole per NEC and local codes and reference wiring instructions.
- 6 Replace wiring access cover plate.



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### Adjustable Wall Mount Installation (EXT-IAHP-WMA)

- 1** Discard pole bracket and pole plate provided with adjustable bracket. (See Fig. 7a)
- 2** Remove wiring access cover plate on bracket. Assemble fixture bracket onto fixture using the M8 bolts (4 bolts provided). Torque each bolt to 70 in-lb. (See Fig. 7b)
- 3** Mark Pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 7c.
- 4** Install wall plate onto mounting surface using proper hardware (4 fasteners, not provided).
- 5** Slide fixture assembly onto wall plate and lock in place using M4 screws (2 screws provided). Torque to 11lbs. (See Fig. 7d)
- 6** Route power supply cable inside arm and make electrical connections inside the pole per NEC and local codes and reference wiring instructions.
- 7** Replace wiring access cover plate.

