LED Area Light

Instruction Number: P-INT-X-484
Product Series: ISON® IAHP2

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 environment.
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.
11. Do not install aiming up. Not for up light application. Maximum tilt up to 70 deg from horizontal.

Tools Required for Installation

- Cordless drill
- Philips screwdriver
- Wire stripper/cutter
- Wire nuts
- 13mm socket for M8 hex head bolt

To assemble mounts to fixture:

- Allen hex key: 6mm for M8 socket head bolt

To adjust aiming on adjustable mounts:

- Allen hex key: 14mm for M16 socket head bolt

Slide & lock and universal mount:

- Allen hex key: 3mm for M4 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).
3. Restore power to fixture.

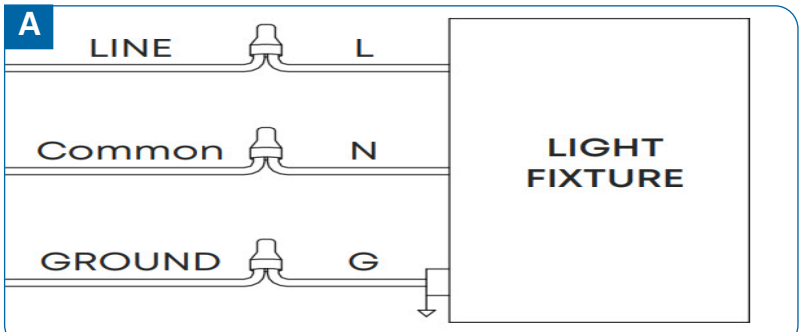
Included Standard

- IAHP2 fixture with 3' cord (line, neutral, ground)

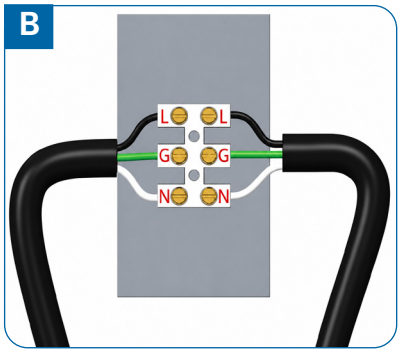
Available Mount (one required):

Slipfitter: EXT-IAHP-SFT-00x
Universal pole mount: EXT-IAHP-UPMx-00x
Adjustable arm mount: EXT-IAHP-ADJ-00x
Adjustable wall mount: EXT-IAHP-WMA-00x
Trunnion mount: EXT-IAHP-TRN-00x
Slide and lock pole mount: EXT-IAHP-SLM-00x

A



B



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Instruction Number: P-INT-X-484
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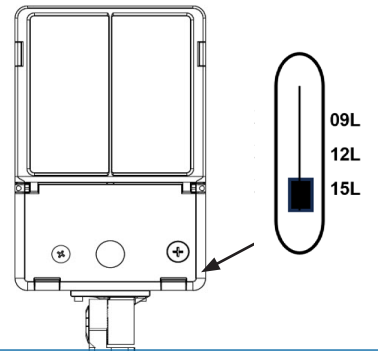
Field Adjustable Lumen Selection Instructions

Note: All fixtures set to maximum lumen output.

1. Turn power off before changing power settings. Do not change switch settings with power on.
2. Unscrew right side plug with a screwdriver.
3. Adjust lumen output by using the switches underneath the plug (See Fig. 1a).
4. Reinstall the plug and tighten to be flush with the fixture surface for proper seal.
5. Restore power to fixture.

1a

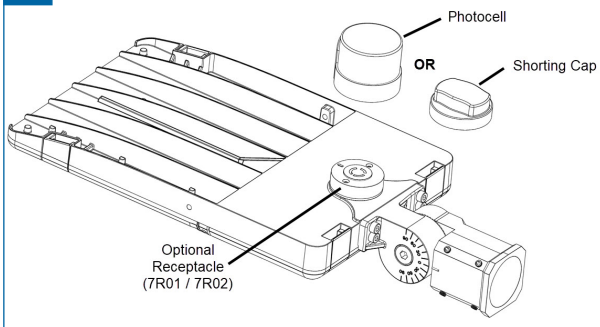


Photocell Accessories (See Fig. 2a for Accessories)

Note: Available when ordering with Nema Receptacle (7R01 or 7R02). Review product label for voltage and amperage load per fixture.

1. Turn power off before installation.
2. Remove twist lock shorting cap if installed from the receptacle.
3. Push the photocell onto the receptacle and twist clockwise to lock into the receptacle.
4. Install the photocell with sensor detector window facing North as indicated on the top of the photocell. Secure photocell fully to ensure water-tight install.
5. Restore power to fixture.

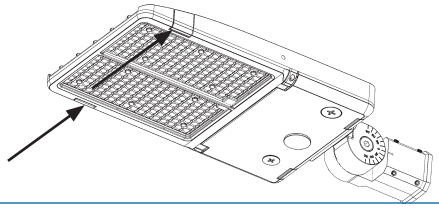
2a



Lens Replacement

1. Turn off power supply before installation.
2. Open both lens frame latches (See Fig. 1).
3. Open lens frame and remove lens carefully. Do not pull or damage gasket (See Fig 2). Inspect gasket to make sure it is placed inside gasket channel.
4. Take new lens and align with the lens arrow pointing toward the front. Insert new lens with tabs inside locating grooves.
5. Verify the lens is flush on top of gasket. Close the lens frame (See Fig. 2).
6. Close both lens latches and ensure the latches are flush with fixture housing side surface (See Fig. 1).
7. Restore power.

1



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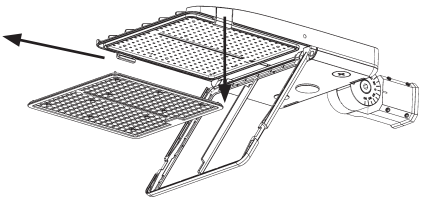

Lens Kits Options	
ROL-IAHP2-S-T3-1	Type III Distribution – IAHP2 A1 B1
ROL-IAHP2-S-T4-1	Type IV Distribution – IAHP2 A1 B1
ROL-IAHP2-S-T5-1	Type V Distribution – IAHP2 A1 B1
ROL-IAHP2-L-T3-1	Type III Distribution – IAHP2 C1 D1
ROL-IAHP2-L-T4-1	Type IV Distribution – IAHP2 C1 D1
ROL-IAHP2-L-T5-1	Type V Distribution – IAHP2 C1 D1

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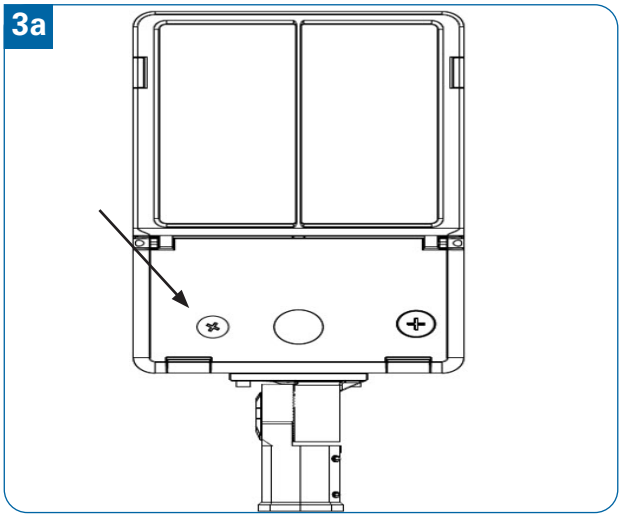
Sensors and Controls Accessories

Note: This fixture includes a pre-wired sensor receptacle.

1. Turn power off before installation.
2. Remove sensor or control node from packaging and make sure the silicone gasket is in place.
3. Unscrew the left side plug on the fixture with a screwdriver (See Fig. 3a).
4. Screw the sensor/control in place (hand tighten only).
5. Restore power to fixture.
6. Adjust the settings to the desired function needed. Keilton Basic sensors use the remote control RM51 (order separately).



Default Settings - Sensor and Controls Accessories

EFS07 Keilton Basic	
Trim Level	100%
Sensitivity	HIGH
Hold Time	5 min.
Standby Dim	30%
Standby Time	60 min.
Photocell	Off
EFS106 Keilton + Autani	
Motion Sensor	On
Daylight Harvesting	Off
Photocell	Off
Trim Level	100%
Sensitivity	100%
Hold Time	20 min.
Standby Dim	50%
Standby Time	1 min.
WPPA102 Keilton + Autani Controller	
Motion Sensor	Off
Daylight Harvesting	Off

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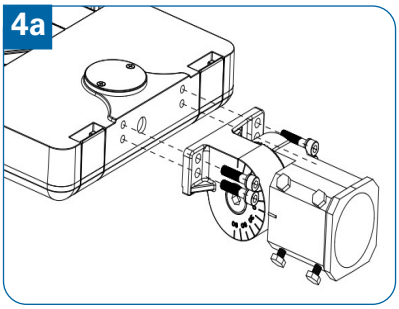
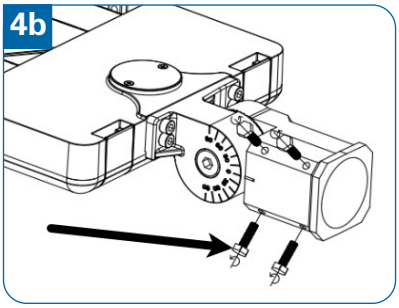
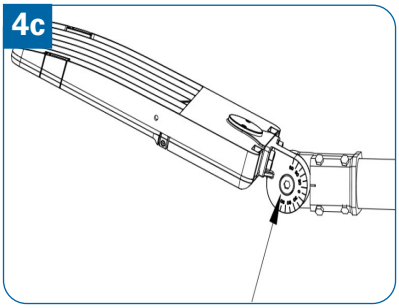
Slipfitter Mount Installation (EXT-IAHP-SFT)

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

1. Assemble slipfitter bracket onto fixture using the M8 bolts (4 bolts provided). Torque each bolt to 70 in-lb. (See Fig. 4a)
2. Remove the set screws (4 screws provided). (See Fig. 4b)
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. 4b)
6. Adjust arm to desired angle and torque M16 bolt to 12 ft.-lbs). (See Fig. 4c)



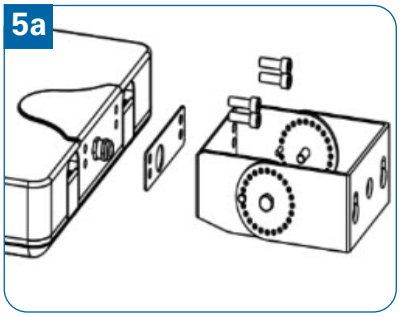


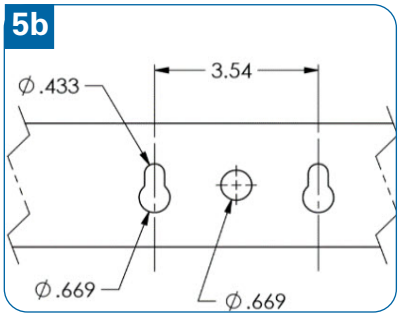


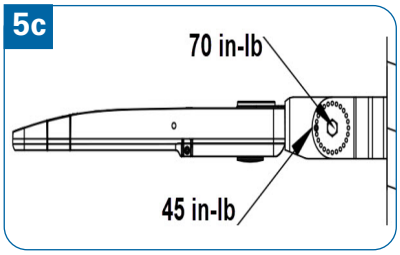
Trunnion Mount Installation (EXT-IAHP-TRN)

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. 5a)
2. Mark drilling locations on mounting surface and drill the pre-drill mounting holes. (See Fig. 5b)
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. 5c)
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.







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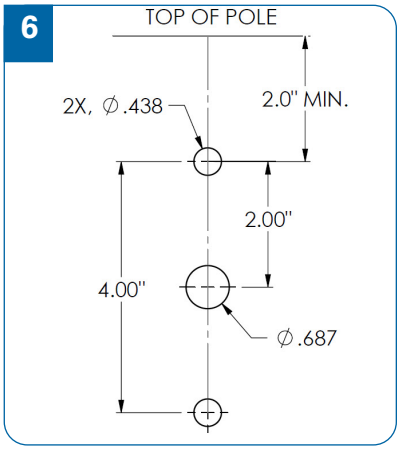
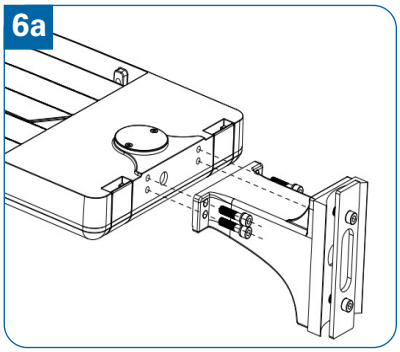
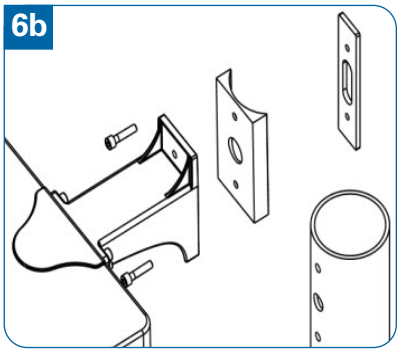
Universal Pole Mount Installation (EXT-IAHP-UPM)

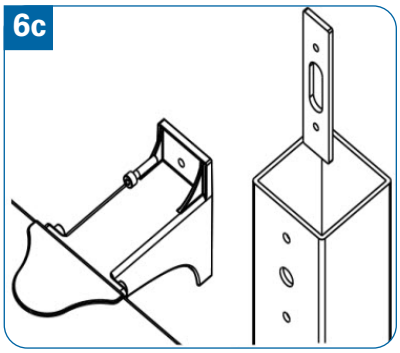
Note: This mounting kit can adapt to 4"- 6" round or min. 3" square poles.

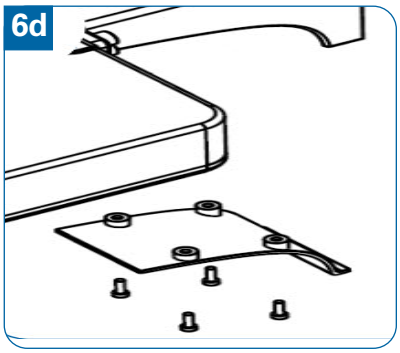
1. Mark pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 6. Remove wiring access cover plate on bracket.
2. Assemble fixture bracket onto fixture using the M8 bolts (4 bolts provided). Torque each bolt to 70 in-lb. (See Fig. 6a)
3. Place back plate inside pole. For round pole also use bracket adapter. (See Fig. 6b)
4. Insert M8 bolts (2 bolts provided) through bracket and tighten into back plate. Torque each bolt to 70 in-lb. (See Fig. 6b or 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. (See Fig. 6d)











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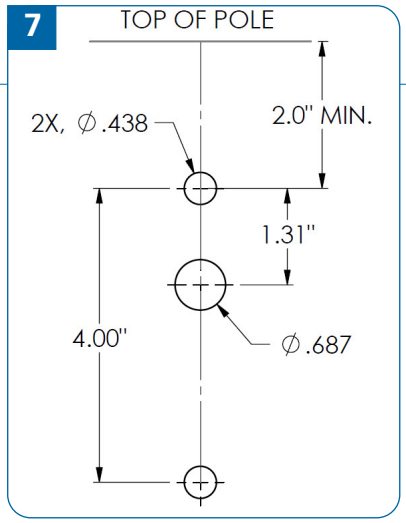
LED Area Light

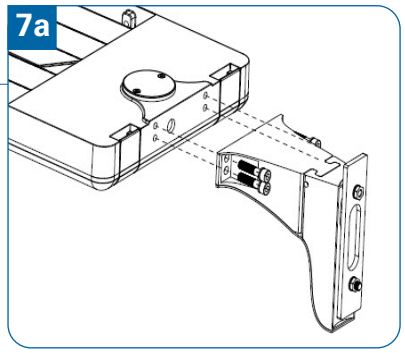
Instruction Number: P-INT-X-484
Product Series: ISON® IAHP2

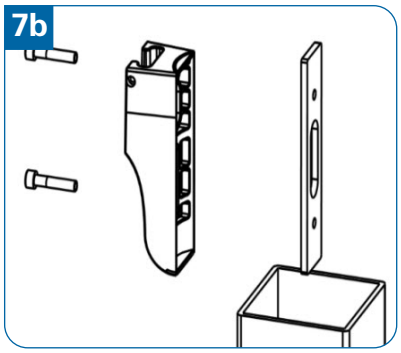
Slide and Lock Installation (EXT-IAHP-SLM)

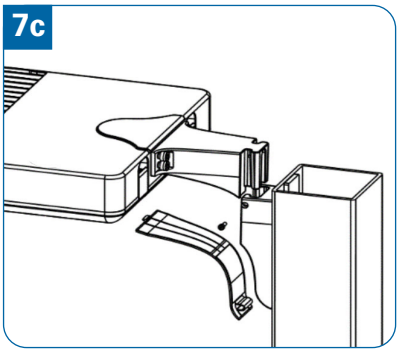
Note: This mounting kit can adapt to 3"-4" round or min. 3" square poles.

1. Mark pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 7. 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. 7a)
3. Place back plate inside pole. For round pole remove the bracket adapter. (See Fig. 7b)
4. Insert M8 bolts (2 bolts provided) through bracket and tighten into back plate. Torque each bolt to 70 in-lb. (See Fig. 7b)
5. Slide fixture assembly onto bracket and lock in place using M4 screw (1 screw provided). Torque to 11 in-lbs. (Fig. 7c)
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. 7c)





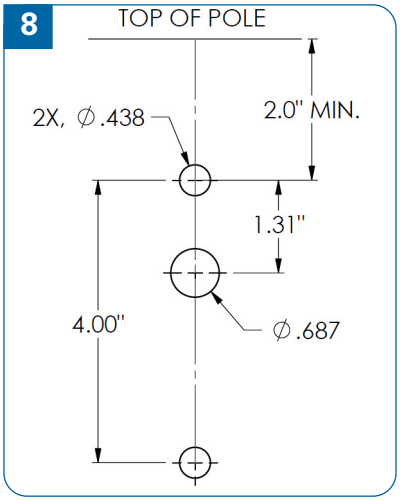


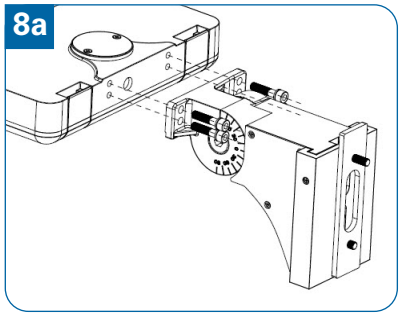


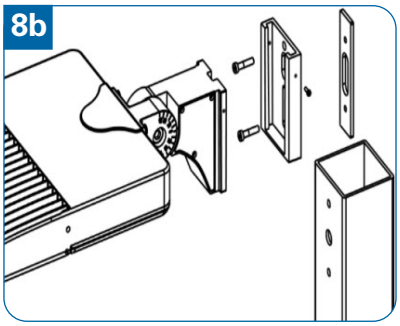
Adjustable Arm Mount Installation (EXT-IAHP-ADJ)

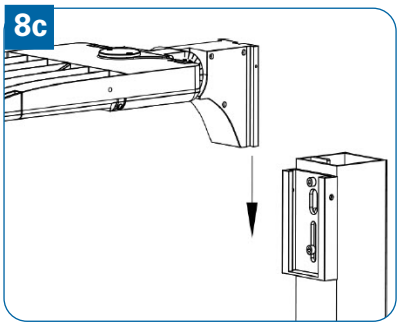
Note: This arm can only adapt to min. 4" square poles.

1. Mark pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 8. 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. 8a)
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.-lbs. (See Fig. 8b)
4. Slide fixture assembly onto bracket and lock in place using M4 screw (1 screw provided). Torque to 11 in.-lbs. (See Fig. 8c)
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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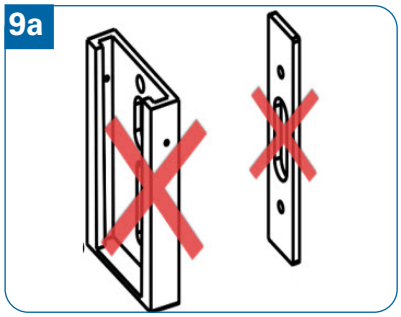
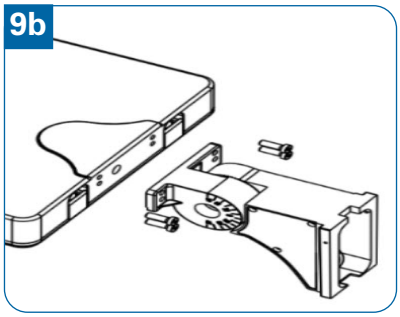
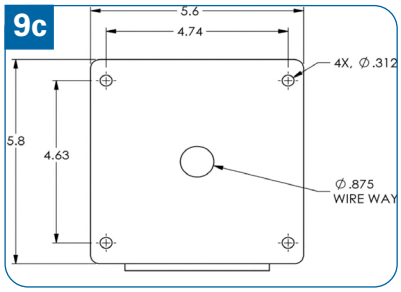
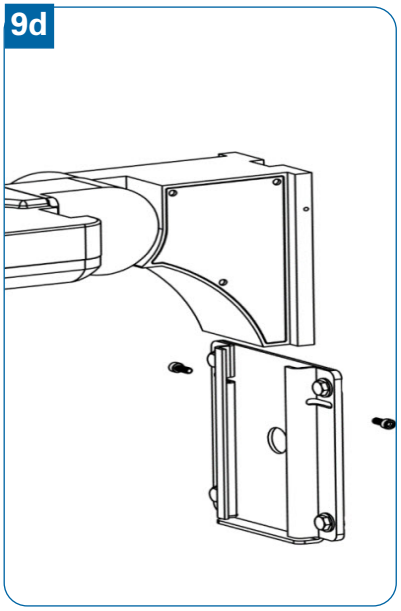
Adjustable Wall Mount Installation (EXT-IAHP-WMA)

1. Discard pole bracket and pole plate provided with adjustable bracket. (See Fig. 9a)
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. 9b)
3. Mark pole drilling locations on mounting surface and pre-drill, dimensions can be seen in Fig. 9c.
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 11in.-lb. (See Fig. 9d)
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.









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LED Area Light Lens Kit

Instruction Number: P-INT-X-484.1
Product Series: ISON® IAHP2

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

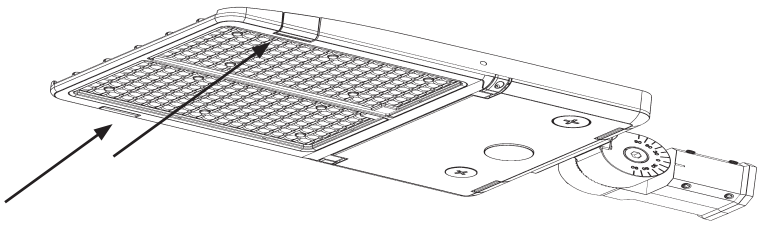
1. Field installers are responsible for recognizing specific site requirements and making adjustment to assure a complete, functional installation.
2. Electrical connections must be made by a qualified electrician and in accordance with NEC and local codes.
3. Make all power connections using UL listed components.
4. Make sure the supply voltage is the same as the rated voltage of the luminaire.
5. Do not install in a hazardous environment.
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.
11. Do not install aiming up . Not for up light application. Maximum tilt up to 70 deg from horizontal.

Lens Kits Options	
ROL-IAHP2-S-T3-1	Type III Distribution – IAHP2 A1 B1
ROL-IAHP2-S-T4-1	Type IV Distribution – IAHP2 A1 B1
ROL-IAHP2-S-T5-1	Type V Distribution – IAHP2 A1 B1
ROL-IAHP2-L-T3-1	Type III Distribution – IAHP2 C1 D1
ROL-IAHP2-L-T4-1	Type IV Distribution – IAHP2 C1 D1
ROL-IAHP2-L-T5-1	Type V Distribution – IAHP2 C1 D1

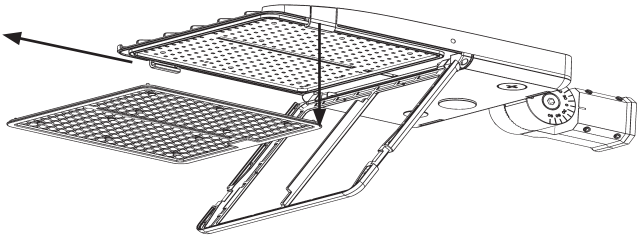
Lens Replacement

1. Turn off power supply before installation.
2. Open both lens frame latches (See Fig. 1).
3. Open lens frame and remove lens carefully. Do not pull or damage gasket (See Fig 2). Inspect gasket to make sure it is placed inside gasket channel.
4. Take new lens and align with the lens arrow pointing toward the front. Insert new lens with tabs inside locating grooves.
5. Verify the lens is flush on top of gasket. Close the lens frame (See Fig. 2).
6. Close both lens latches and ensure the latches are flush with fixture housing side surface (See Fig. 1).
7. Restore power.

1



2



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