

# INSTALLATION INSTRUCTIONS

## E-AL Series

Document:	LPN00269X0001A4_A	Date:	2016-04-20
Created By:	TMT	ECO#:	006036



### CAUTIONS

#### IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

#### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

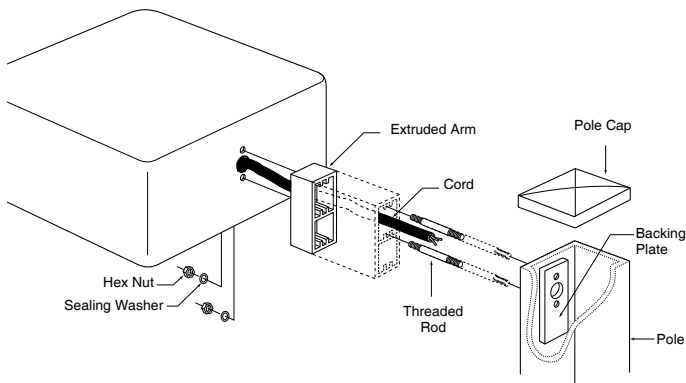
- DANGER**- Risk of shock- Disconnect power before installation.  
**DANGER – Risque de choc – Couper l'alimentation avant l'installation.**
- This luminaire must be installed in accordance with the NEC or your local electrical code. If you are not familiar with these codes and requirements, consult a qualified electrician.  
*Ce produit doit être installé conformément à NEC ou votre code électrique local. Si vous n'êtes pas familier avec ces codes et ces exigences, veuillez contacter un électricien qualifié.*
- Proper grounding is required to ensure personal safety.

#### SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

#### Notes:

- Strain relief is required for electrical connections on 2" (51 mm) adjustable fitter mounts at heights of 25' (7.6 m) and above. Tie a knot in the supply wires above the hole in the lower fitter wiring compartment to reduce the strain on the connections. Make sure knot will not slip through hole.
- Strain relief is required for electrical connections on direct mounts at heights of 25' (7.6 m) and above. Knot the supply wires from the pole with the fixture cord inside the pole.
- All wire connectors within the fixture must be rated for 90°C minimum.
- Fixture is only UL listed for downlight orientation. Can NOT be used as an uplight.
- Use this fixture installation sheet for installing, do NOT refer to mounting accessory sheet for installing.

FIGURE 1



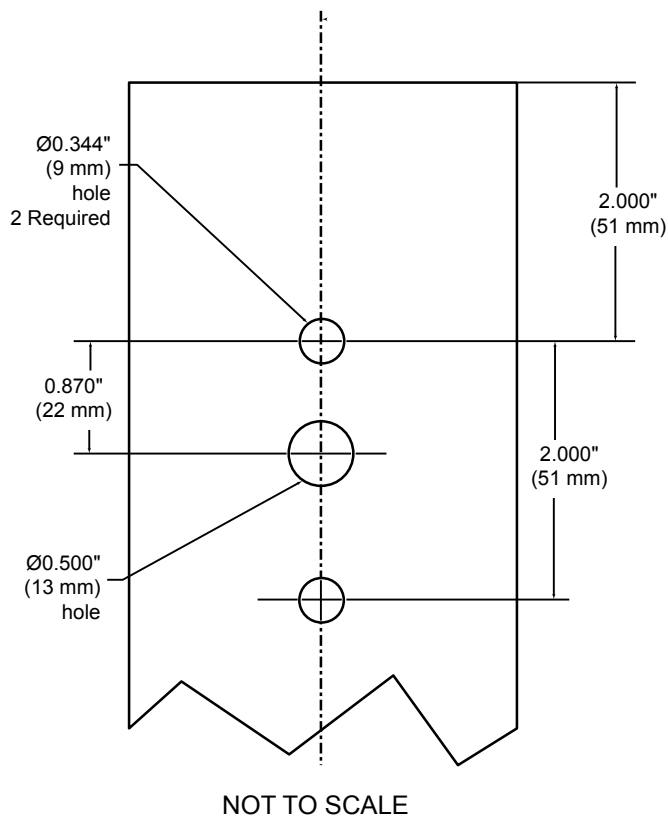
#### DIRECT MOUNTING

**NOTE:** Fixture is only UL listed for downlight orientation.

**NOTE:** Strain relief is required for electrical connections at heights of 25' (7.6 m) and above. Knot the supply wires from the pole with the fixture cord inside the pole.

- Use **Template 1** for dimensions on pole drilling if pole is not pre-drilled. **NOTE: Template is NOT to scale.**
- Screw threaded rods through holes in pole into backing plate inside pole until non-threaded section of rod contacts pole wall.
- Insert cord thru cord grip so that the leads with the ground lug extend from the threaded side of the cord grip by 4" or as needed to reach ground lug in fixture. Tighten cord grip firmly to cord.
- Open fixture by removing ribbed driver compartment cover.
- Insert cord into fixture and fasten cord grip to housing as shown in **Figure 1**.
- Connect cord ground wire to fixture ground. Connect cord white wire to driver common wire. Connect cord black wire to driver voltage wire.
- Feed cord through extrusion into pole and slide extrusion over threaded rods so that the rods rest in extrusion bosses
- Align mounting holes of fixture with exposed end of threaded rod and push fixture flush with extrusion.
- Install 5/16" sealing washers and nuts onto threaded rods inside fixture as shown (**Figure 1**), making sure the silicone sides (of the washers) are placed against the inside wall of housing.
- Torque 5/16" hex nuts to 132 in. lbs. (15 N-m).
- Make wire connections inside pole and install pole cap.

TEMPLATE 1

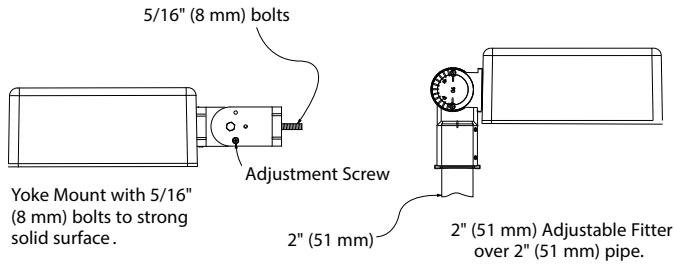


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FIGURE 2

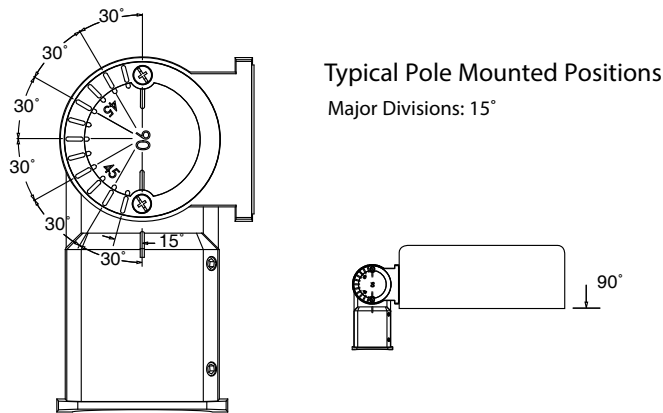


### 2" (51 MM) ADJUSTABLE FITTER MOUNTING

**NOTE:** Fixture is only UL listed for downlight orientation.

1. Install gasket on upper fitter by aligning the (2) holes in the gasket with the (2) threaded bolt holes in the upper fitter.
2. Open fixture by removing ribbed driver compartment cover.
3. Align (2) threaded bolt holes on the upper fitter with the (2) bolt holes in the side of the fixture.
4. Fasten upper fitter to the fixture using the (2) bolts and lock washers supplied with fitter. Tighten bolts to 132 in-lbs (15 Nm).
5. Remove splice compartment cover from lower fitter.
6. Route fixture ground wire, common wire, and voltage wire thru fixture and into the fitter.
7. Strain relief is required for electrical connections on 2" (51 mm) adjustable fitter mounts at heights of 25' (7.6 m) and above. Tie a knot in the supply wires above the hole in the lower fitter wiring compartment to reduce the strain on the connections. Make sure knot will not slip through hole.
8. Slip lower fitter over 2-3/8" (60 mm) o.d. heavy wall pipe or tenon and securely tighten two Allen head set screws with 3/16" Allen wrench to 140 in. lbs. (16 N•m). See **Figure 2**.
9. Make wire connections in splice compartment of adjustable fitter.
10. If photocell accessory is used, locate in cover of fitter splice compartment. See photocell installation sheet for details.
11. Tighten 3/8" bolt in fitter splice compartment to 19 ft. lbs. (25 N•m).

Figure 3 — 1/2" and 2" (51 mm) Adjustable Fitter Positions



### YOKE MOUNTING (U-BRACKET) E-ACU FOR USE WITH E-AL1L SERIES E-ACUH FOR USE WITH E-AL2L SERIES

**NOTE:** Fixture is only UL listed for downlight orientation.

1. Open fixture by removing ribbed driver compartment cover.
2. Insert the hex bolts with sealing washers through the housing and the U-bracket.
- IMPORTANT:** When installing sealing washers make sure the rubber side is facing the inside of the fixture housing wall.
3. Secure U-bracket to housing with (2) 5/16" hex nuts and lockwashers (as shown in **Figure 4**). Tighten to 132 in. lbs (15 Nm).
4. Insert cord thru cord grip so that the leads with the ground lug extend from the threaded side of the cord grip by 4" or as needed to reach ground lug in fixture. Tighten cord grip firmly to cord.
5. Insert cord into fixture and fasten cord grip to housing as shown in **Figure 4**.
6. Connect cord ground wire to fixture ground. Connect cord white wire to driver common wire. Connect cord black wire to driver voltage wire.
7. Reattach driver cover.
8. Mount fixture using two 3/8" (10 mm) bolts appropriate for mounting surface. See **Figure 5**.
9. Complete wiring to power source and ground.
10. Use the locking screw provided to secure the U-bracket in a fixed position, being sure to line up a set of locking holes in both brackets. Securely tighten both bolts on sides of U-bracket.

Figure 4 — Yoke Mounting (U-Bracket)

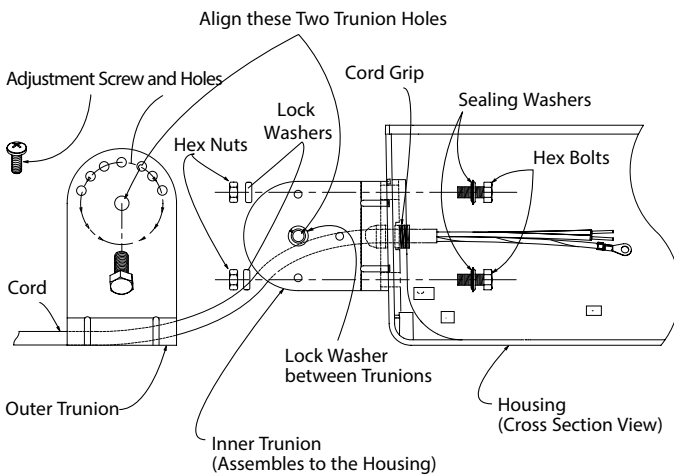
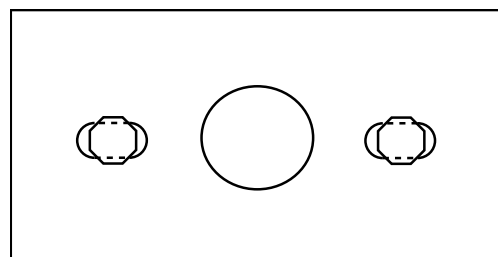


Figure 5 — Mounting to Surface



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### BOX MOUNT

1. Remove the back box from the fixture by removing (5) hex bolts and mount the back box using one of the following three methods:

#### Junction Box

- Remove appropriate mounting screw and wireway knockouts from the back box to match the junction box.  
**NOTE:** Always secure the back box to the mounting surface with fasteners in four corners in addition to the mounting screws on the junction box.

#### Conduit from Behind

- Remove center conduit entry knockout and mounting screw knockouts.

#### Surface Conduit

- Remove appropriate conduit plug from the back box and feed customer supplied conduit through. Ensure to use a sealing compound on the threads of the conduit.

2. Mount the back box to mounting surface using customer supplied hardware. Apply waterproof silicone between mounting surface and perimeter of back box
3. Locate the wire cable inside of the back box and attach the wire cable to the fixture hook as shown in **Figure 6**. Carefully let the fixture hang down.
4. Connect incoming ground lead to fixture ground. Connect incoming white lead to fixture common (white) lead. Connect black incoming lead to fixture voltage (black) lead.
5. Unhook the wire cable from the fixture. Place the fixture onto the back box by hooking the Support Hinged Bracket on the fixture over the top groove on the back box. See **Figure 7**.
6. Secure the fixture to the back box by using (5) bolts that were removed in Step 1.

Figure 7

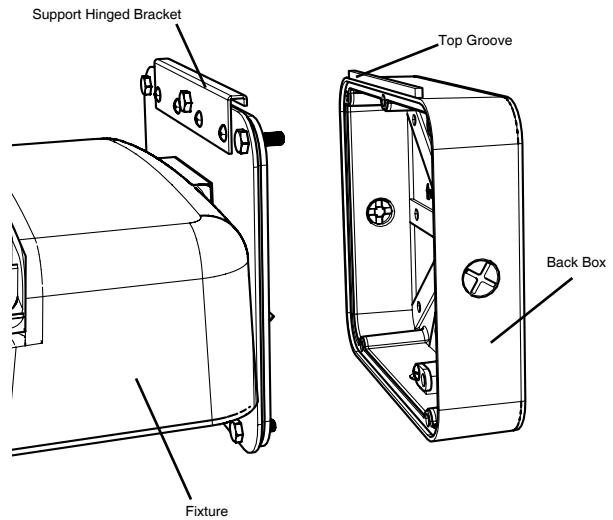


Figure 6

