

INSTALLATION INSTRUCTIONS

C-AR-A-2LD AND C-AR-A-4LD Series

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Created By: TMT	



CAUTIONS

IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

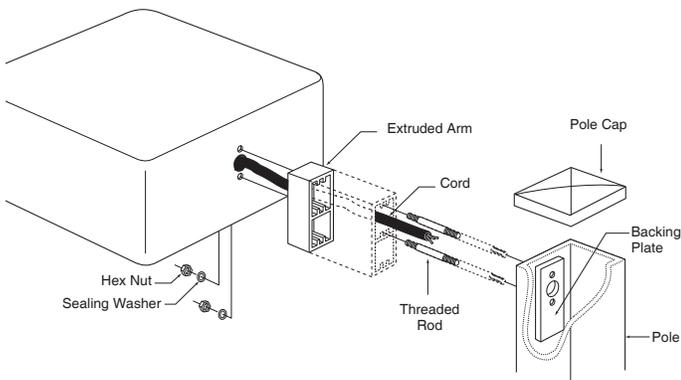
- DANGER**- Risk of shock- Disconnect power before installation.
DANGER – Risque de choc – Couper l'alimentation avant l'installation.
- This luminaire must be installed in accordance with the NEC or your local electrical code. If you are not familiar with these codes and requirements, consult a qualified 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



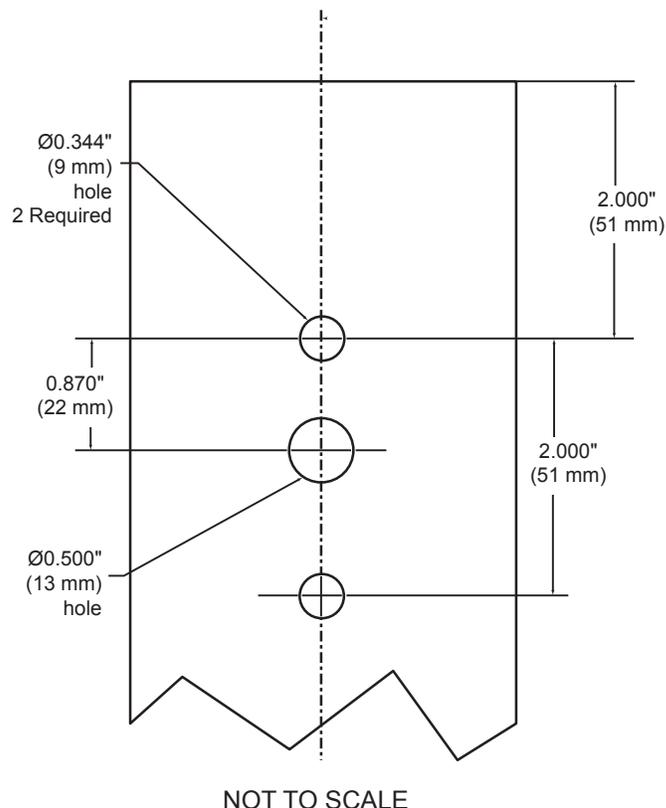
DIRECT MOUNTING

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).
- Replace ribbed driver compartment cover that was removed in Step 4 above.
- Make wire connections inside pole. See **Fixture Wiring** section.
- Install pole cap.

TEMPLATE 1



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FIGURE 2

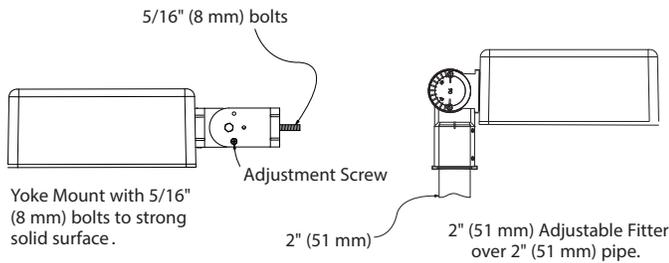


Figure 3 — 2" (51 mm) Adjustable Fitter Positions

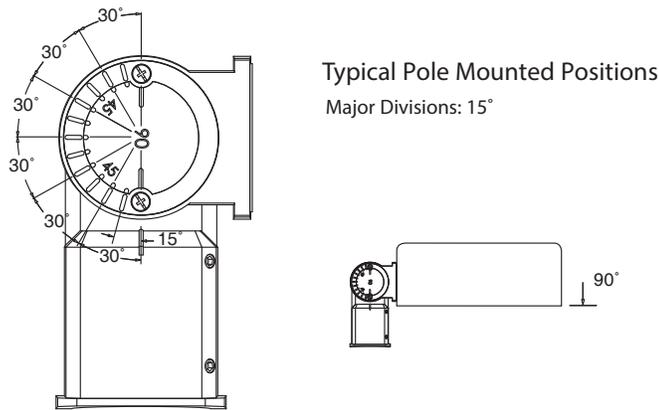
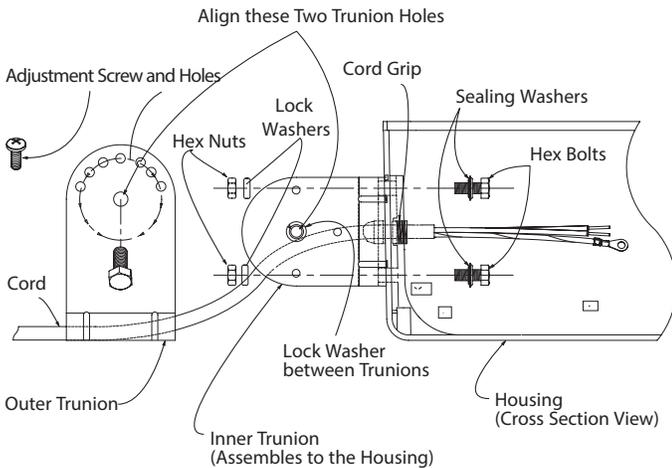


Figure 4 — Yoke Mounting (U-Bracket)



- Remove splice compartment cover from upper fitter.
- Route fixture ground wire, common wire, and voltage wire thru fixture and into the fitter.
- Replace ribbed driver compartment cover that was removed in Step 2 above.
- 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 upper fitter wiring compartment to reduce the strain on the connections. Make sure knot will not slip through hole.
- 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**.
- Complete electrical connection in splice compartment. See **Fixture Wiring** section.
- If photocell accessory is used, locate in cover of fitter splice compartment. See photocell installation sheet for details.
- Tighten 3/8" bolt in fitter splice compartment to 19 ft. lbs. (25 N•m).
- Replace splice compartment cover.

YOKE MOUNTING (U-BRACKET)

C-ACC-A-AUB-2X5X6-DB FOR USE WITH C-AR-A-2LD SERIES

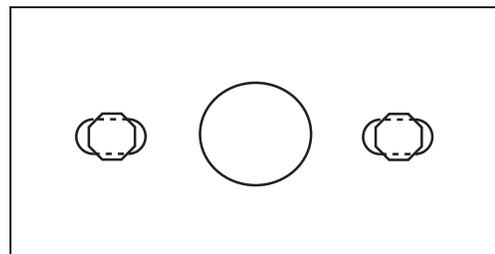
C-ACC-A-AUB-3X5X5-DB FOR USE WITH C-AR-A-4LD SERIES

NOTE: Fixture is only UL listed for downlight orientation.

- Open fixture by removing ribbed driver compartment cover.
- 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.
- Secure U-bracket to housing with (2) 5/16" hex nuts and lock washers (as shown in **Figure 4**). Tighten to 132 in. lbs (15 Nm).
- 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.
- Insert cord into fixture and fasten cord grip to housing as shown in **Figure 4**.
- Connect cord ground wire to fixture ground. Connect cord white wire to driver common wire. Connect cord black wire to driver voltage wire.
- Reattach ribbed driver cover removed in Step 1.
- Mount fixture using two 3/8" (10 mm) bolts appropriate for mounting surface. See **Figure 5**.
- Complete wiring to power source as indicated under **Fixture Wiring** section.
- 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 5 — Mounting to Surface



2" (51 MM) ADJUSTABLE FITTER MOUNTING

NOTE: Fixture is only UL listed for downlight orientation.

- Install gasket on upper fitter by aligning the (2) holes in the gasket with the (2) threaded bolt holes in the upper fitter.
- Open fixture by removing ribbed driver compartment cover.
- Align (2) threaded bolt holes on the upper fitter with the (2) bolt holes in the side of the fixture.
- Fasten upper fitter to the fixture using the (2) bolts and lock washers supplied with fitter. Tighten bolts to 132 in-lbs (15 Nm).

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BOX MOUNT

1. Remove the cover from the back box by removing (5) hex bolts. Preparation of the back box for mounting is based on the power supply configuration to be used. See below for options:

4" Octagonal Junction Box

Remove appropriate mounting screw knockouts on back box to match the junction box along with the 2" diameter wireway knockout in the center of the back box. Pull supply leads from junction box through the center opening in the back box.

NOTE: Always secure the back box to the mounting surface with fasteners in all four corners of the back box in addition to the mounting screws on the junction box.

Conduit from Behind

Remove the center conduit entry knockout on back box and mounting screw knockouts. Position back box over conduit.

Surface Conduit

Remove appropriate 1/2" conduit plug from side of back box and attach customer supplied conduit. Use a sealing compound on the threads to prevent leakage.

2. Mount the back box to the mounting surface using customer supplied hardware. Apply waterproof silicone between housing surface and perimeter of back box.
3. Open fixture by removing (8) screws on ribbed driver compartment cover.
4. Place gasket supplied with back box over nipple on back box cover. See **Figure 6**.
5. Insert nipple on cover through center hole in wall of fixture. See **Figure 7**.
NOTE: Make sure support hinged bracket on top edge of cover is positioned toward the top of the fixture, away from the lighted side of fixture.
6. Align (2) threaded holes in the cover with the (2) bolt holes in the side of the fixture and fasten cover to fixture using the (2) bolts and (2) ceiling washers provided with the back box. Tighten bolts to 132 in lbs (15 Nm).
NOTE: When installing the ceiling washers, make sure the rubber side is facing the inside of the fixture housing wall.
7. Route fixture ground wire, common wire, and voltage wire through hole in wall of fixture/back box cover.
8. Locate the wire cable inside the back box and attach the wire cable to the fixture hook as shown in **Figure 8**. Carefully let the fixture hang down.
9. Complete electrical connections. See **Fixture Wiring** section.
10. 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 9**.
11. Secure the fixture to the back box by using (5) bolts that were removed in Step 1. Tighten bolts to 132 in lbs (15 Nm).

Figure 6

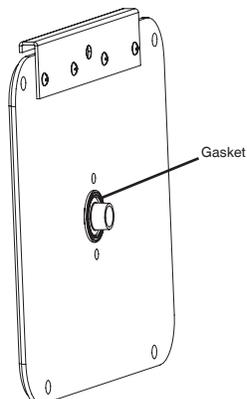


Figure 7

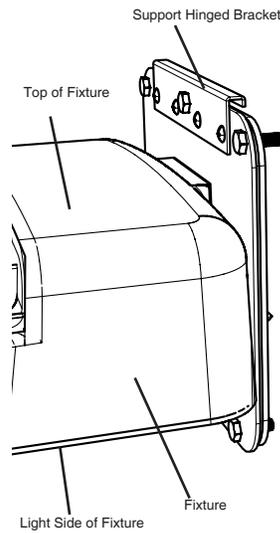


Figure 8

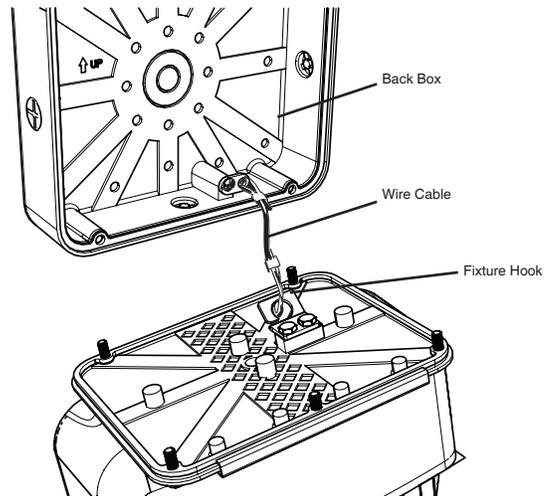
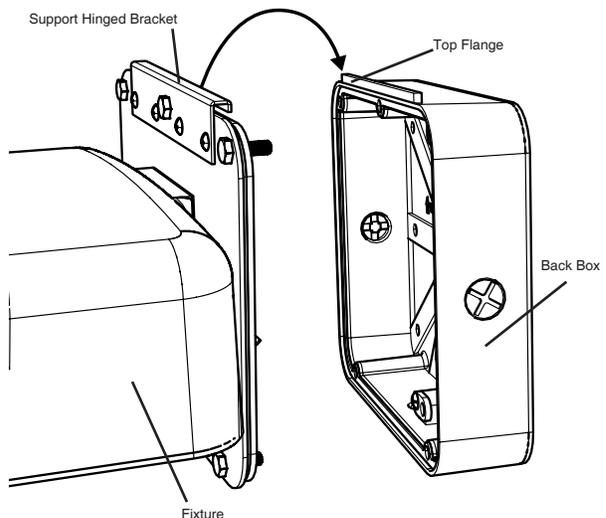


Figure 9



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FIXTURE WIRING

Fixture is equipped with universal volt driver 120-277V
(ie. 120V, 208V, 240V or 277V)

PHASE TO NEUTRAL WIRING 120/277V

1. Connect supply ground to fixture ground (green) lead.
2. Connect supply common to fixture neutral (white) lead.
3. Connect supply Vin to fixture hot (black) lead.

Tuck all wires carefully into wiring chamber ensuring that no wires are pinched.

PHASE TO PHASE WIRING 208/240V

1. Connect supply ground to fixture ground (green) lead.
2. Connect supply L1 (Hot) to fixture neutral (white) lead.
3. Connect supply L2 (Hot) to fixture hot (black) lead.

Tuck all wires carefully into wiring chamber ensuring that no wires are pinched.

FCC NOTICE

CAUTION: Changes or modifications not expressly approved could void your authority to use this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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