

**READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION**

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a **qualified licensed electrician**.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in above manner, replacing damaged gaskets as necessary.
- **DO NOT INSTALL DAMAGED PRODUCT!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- Recycle: For information on how to recycle LED electronic products, please visit www.epa.gov.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to Acuity Brands Lighting, Inc.



**WARNING
RISK OF ELECTRIC SHOCK**

- ✓ Disconnect or turn off power before installation or servicing.
- ✓ Verify that supply voltage is correct by comparing it with the luminaire label information.
- ✓ Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- ✓ All wiring connections should be capped with UL approved recognized wire connectors.



**WARNING
RISK OF BURN**

- ✓ Allow lamp/fixture to cool before handling. Do not touch enclosure or light source.
- ✓ Do not exceed maximum wattage marked on luminaire label.
- ✓ Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/methods, replacement and recycling.



**CAUTION
RISK OF INJURY**

- ✓ Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- ✓ Avoid direct eye exposure to the light source while it is on.



**CAUTION
RISK OF FIRE**

- ✓ Keep combustible and other materials that can burn, away from lamp/lens.
- ✓ Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.

LED IMPORTANT SAFETY INSTRUCTIONS



CAUTION: RISK OF PRODUCT DAMAGE

- ✓ Never connect components under load.
- ✓ Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- ✓ Unless individual product specifications deem otherwise: Never connect an LED product directly to dimmer packs, occupancy sensors, timing devices, or other related control devices. LED fixtures must be powered directly off a switched circuit.
- ✓ Unless individual product specifications deem otherwise: Do not restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- ✓ Unless individual product specifications deem otherwise: Do not exceed fixtures maximum ambient temperature.
- ✓ Only use fixture in its intended location.
- ✓ LED products are Polarity Sensitive. Ensure proper Polarity before installation.
- ✓ Electrostatic Discharge (ESD): ESD can damage LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.
- ✓ Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- ✓ Some components inside the fixture may not be serviceable. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative for assistance.
- ✓ Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.

Please see product specific installation instructions for additional warnings or any applicable FCC or other regulatory statements.

Failure to follow any of these instructions could void product warranties. For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com.

Our Brands	Indoor/Outdoor Lithonia Lighting Carandini Holophane RELOC	Indoor Lighting Gotham Mark Architectural Lighting Peerless Renaissance Lighting Winona Lighting	Outdoor Lighting American Electric Lighting Antique Street Lamps Hydrel Tersen	Controls DARK TO LIGHT Lighting Control & Design ROAM Sensor Switch Synergy
-------------------	---	--	---	---

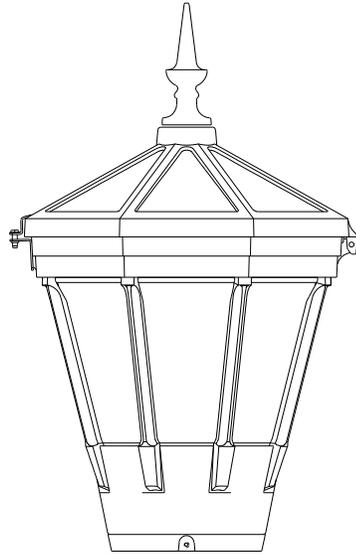
Acuity Brands Lighting, Inc. assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

ABL LED General Warnings, Form No. 503.203

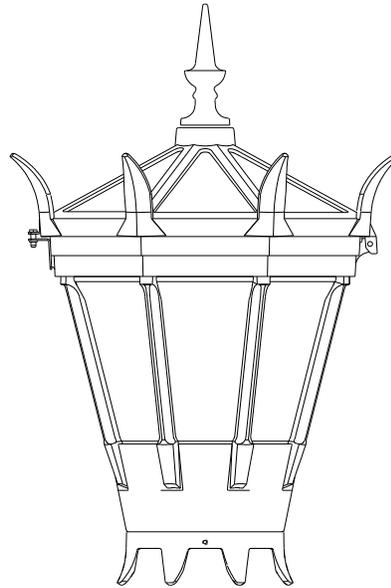
© 2011 Acuity Brands Lighting, Inc. All rights reserved. 3/15/11

HOLOPHANE® Arlington® and Jefferson® LED 2 Non-Utility Housing Retrofit Kit

Installation and Maintenance Manual



Arlington® (ARE2RETRO)



Jefferson® (JFE2RETRO)

GR1960 and GR1961

1. INTRODUCTION: THIS RETROFIT INSTRUCTION APPLIES TO ARE AND JFE LEGACY LUMINAIRES

1.1 Product Description.

This post top luminaire LED retrofit kit is designed with LED's which have long life and minimize maintenance.

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.

1.2 Alternate Information Sources.

Holophane
Field Service Department
P.O. Box 3004
Newark, OH 43058-3004
(866) 759-1577

2. INSTALLATION

2.1 Tools and Material Required.

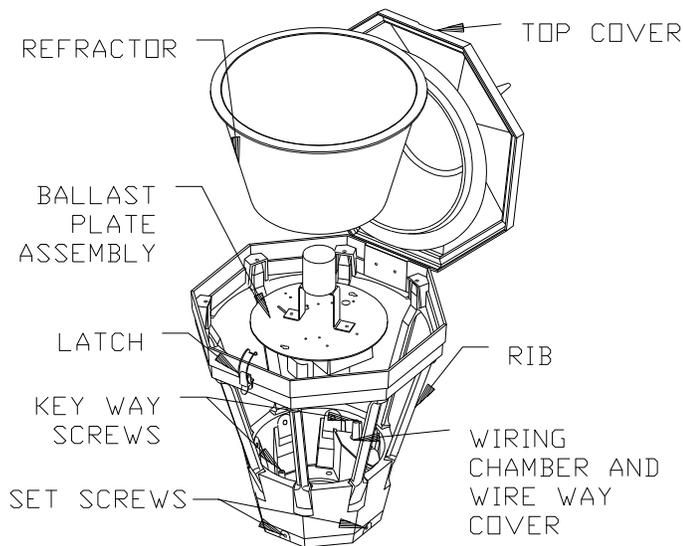
Table 1. Installation Tools and Materials

DESCRIPTION	USE
Flat-end Screwdriver	Installation of electrical wiring tray
1/4" Nut driver	Electrical tray and reflector screws
1/8" Allen Wrench	Set screws (Mounting)
Torque Wrench	Set screws

OPTICS ORIENTATION NOTES

Some of the fixtures in this series are equipped with optical components that produce distributions of light that are not symmetric and are intended to be aimed by orienting the prismatic refractor a specific direction. There is a molded-in "Street Side" marking on the glass or plastic refractor, align this with the Street Side" marking on the LED casting and point this side toward the street. See figure 6 for aiming details.

Figure 1



GR206

2.2 Luminaire LED Retrofit.

2.2.1 This retrofit kit is provided in three main parts; the electrical tray, upper heat sink casting assembly and the reflector assembly

2.2.2 Insure that power is off to the pole and light fixture. It is recommended that the fixture to be retrofitted be removed from its current mounting, and taken to a place where the new parts can be laid out, and where the existing fixture can be disassembled easily. Place the fixture on a clean, dry, flat surface.

2.2.3 Wipe off exterior dirt and debris from the surfaces using a soft, clean cloth.

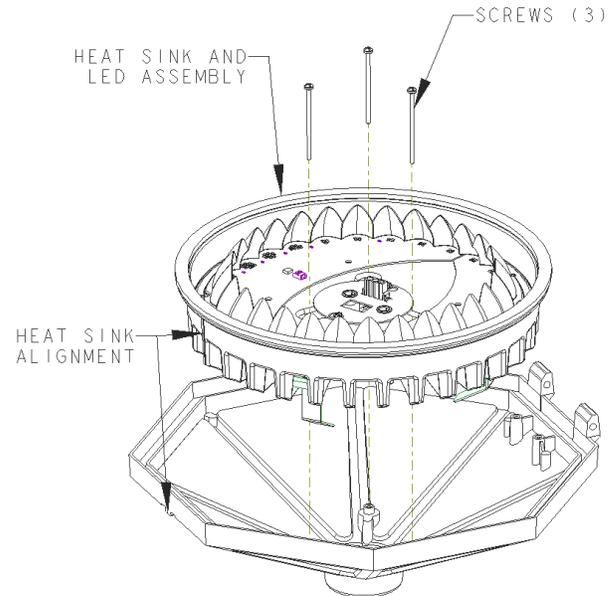
CAUTION

DO NOT USE ABRASIVE CLEANSERS ON OPTICAL SURFACES. THEIR USE MAY RESULT IN THE LOSS OF OPTICAL EFFICIENCY.

2.2.4 Unlatch the top cover assembly. Remove the cotter pins and hinge pins from the top cover hinge section. (Save these parts; they will be reused). Place the top cover assembly to the side.

2.2.5 Remove the refractor (glass or plastic optic); it will be reused later so place it in an area where it won't be damaged. Remove the ballast plate assembly; discard this assembly in a safe manner.

Figure 2



GR2666

2.2.6 Next, remove the existing reflector, reflector springs and screws from the cover portion of the luminaire & discard these parts. Figure 2 shows how the new heat sink portion will assemble to the cover. Use the (3) 10-24 screws (provided in the parts bag) to secure to the bosses.

NOTE: There is an orientation to this heat sink assembly. Insure the vertical molded-in line (on the side of this part) is pointing to the latch of the luminaire.

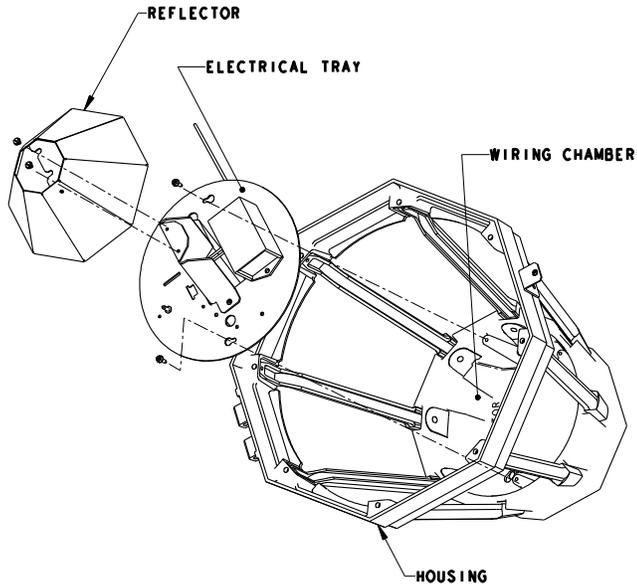
2.2.7 If the luminaire is returned to its mounting for final electrical connections; insure that it has been leveled and the set screws have been alternately tightened to 60 in-lbs.

2.2.8 Insert the electrical supply wiring into the luminaires wiring chamber through the center slot in gasket provided. See Figure 3.

2.2.9 Wire incoming leads to electrical tray accordingly. Connect incoming ground wire to ground wire attached to inside of wiring chamber and to the green ground wire of the electrical tray. Carefully place connections in wiring chamber for future access.

2.2.10 Replace electrical tray on keyway slots, twist clock-wise and tighten screws.

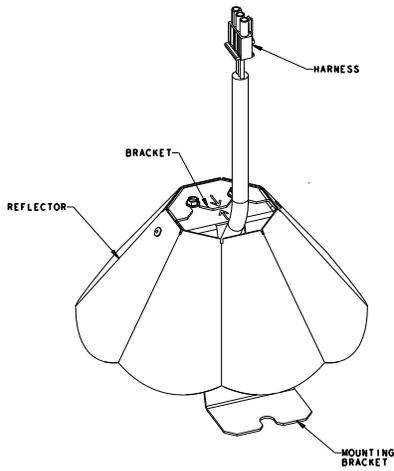
Figure 3



GR1962

2.2.11 Fig. 4 shows an example of how the main harness from the electrical tray shall be routed.

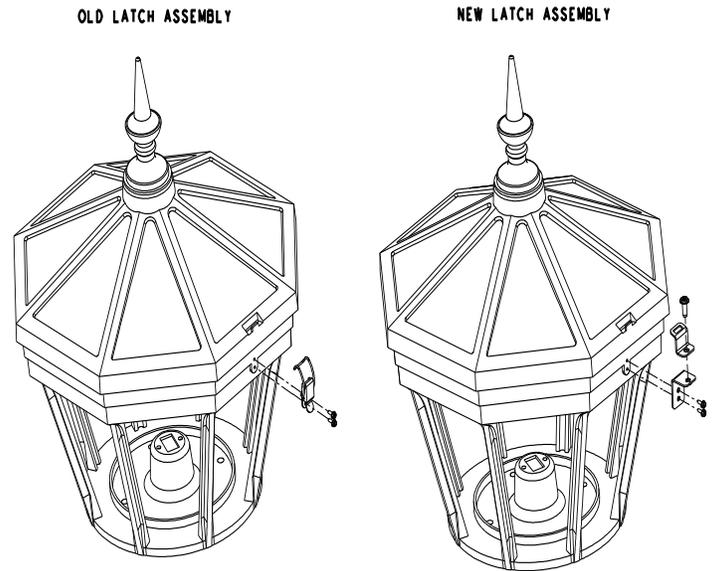
Figure 4



GR2057

2.2.12 Remove the plastic protective film from the reflector. Keep oil, grease, dirt or other contaminants from touching this surface.

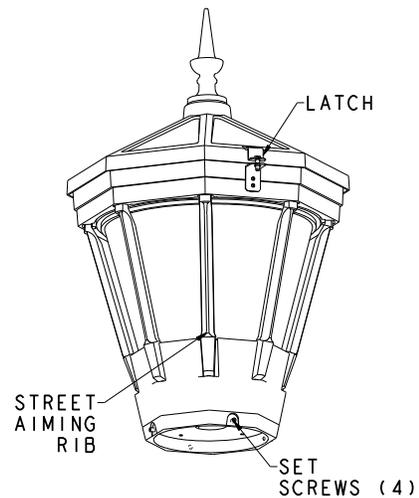
Figure 5



GR2058

2.2.13 Remove the existing latch (shown in Fig 1.) and discard this latch and its screws. Replace using the parts included. Follow Figure 5 for an example of the assembly. Tighten the screws to lower latch to 10-15 in-lbs.

Figure 6



GR1969

2.2.14 Make the final harness connection to the heat sink LED assembly as you close the cover. Close cover and tighten main 1/4-20 screw to 20 in-lbs.

HARNES NOTE

Any slack in the harnesses should neatly be pushed through the center opening in the lower reflector as the cover is closed.

2.2.15 Energize the unit and check for proper operation.

3. MAINTENANCE

3.1 Cleaning

- 3.1.1 Make sure the unit is de-energized.
- 3.1.2 Wipe off exterior dirt and debris using a soft, clean cloth.

CAUTION

DO NOT USE ABRASIVE CLEANSERS ON OPTICAL SURFACES. THEIR USE MAY RESULT IN THE LOSS OF OPTICAL EFFICIENCY.

3.2 Electrical Component Replacement

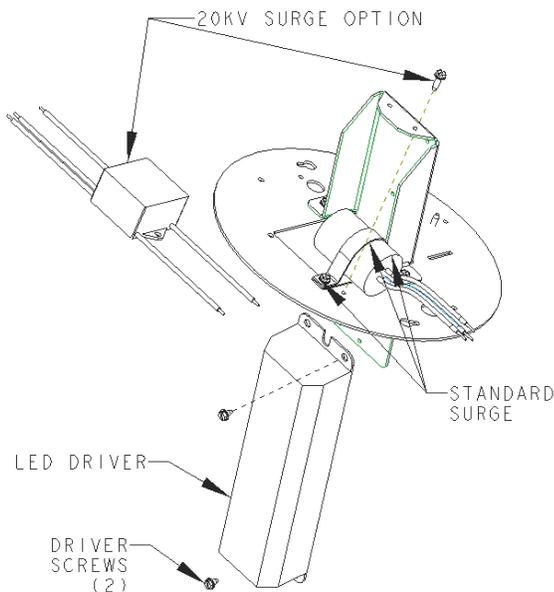
3.2.1 To replace photocontrol. (If provided) Make sure the unit is de-energized. Twist counterclockwise and remove. Replace with equivalent photocontrol.

3.2.2 For all other electrical parts- Make sure the unit is de-energized. Open housing by unscrewing and removing latch and latch screw (Fig 1). Disconnect main power quick disconnect and photo control disconnect (if applicable) and secure LED cover assembly in a way to prevent falling and/ or shock. (Or remove and place on a solid horizontal work bench).

Remove the reflector by loosening (2) screws. (See Fig 3).

3.2.3 To replace LED driver. Make sure the unit is de-energized. Loosen and remove electrical tray to access parts. Disconnect input and output via quick disconnects and remove (2) mounting screws. Replace with Holophane approved driver. See Figure 4. If no other components are to be replaced go to Section 3.2.6.

Figure 4



GR1964

compartment. Remove SPD SCREW connecting the surge protector to the plate; retain screws for re-installation.

3.2.5 For standard surge units, remove the screw from mounting bracket and slide surge protector through opening in mounting bracket. Replace with Holophane approved device. See Figure 4.

3.2.6 Bundle and secure the wiring in a manner similar to the way it was originally secured to avoid pinching of wires when re-installing the module into the housing.

3.2.7 Replace electrical tray on keyway slots, twist clock-wise and tighten screws.

3.2.8 Replace reflector (See Fig 3) and reconnect wiring harness(s), LED cover, latch and latch screw.

HARNES NOTES

Any slack in the harnesses should neatly be pushed through the center opening in the lower reflector as the cover is closed.

3.2.9 Energize the unit and check for proper operation.

4. LIMITED WARRANTY AND LIMITATION OF LIABILITY

The Holophane limited warranty and limitation of liability is available on our web site www.Holophane.com.

It is also available from your local Holophane sales representative.



An Acuity Brands Company
Acuity Brands Lighting, Inc.
3825 Columbus Rd SW, Granville, OH 43023

IM-335, 3/19/12 ©2012 Acuity Brands Lighting Inc.,
All Rights Reserved

Visit our web site at www.holophane.com

Printed in USA

3.2.4 Replacement of surge protector. Disconnect quick disconnect plug coming from terminal and quick disconnect going to optical