

**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](http://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.
- ✓ 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.



**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 a 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.
- ✓ 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](http://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**

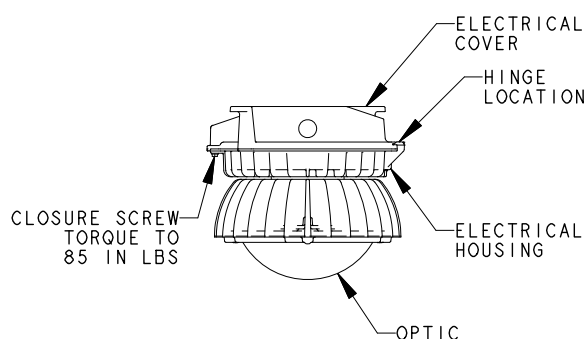
DARK TO LIGHT  
Lighting Control & Design  
ROAM  
Sensor Switch  
Synergy

**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

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Figure 1



GR1925A

## 1 Introduction

**1.1 Product Description.** Light Emitting Diode (LED) luminaire.

### 1.2 Alternate Information Sources.

Holophane  
Field Service Department  
P.O. Box 3004  
Newark, OH 43058-3004  
(740) 345-9631

## 2 Installation

### 2.1 Tools and Materials Required.

TABLE 1. Installation Tools and Materials

DESCRIPTION	USE
1/4" socket	Pendant Set Screw
5/16" socket	Mounting Bracket Cover
3/8" socket	Closure Screw
1/2" drive ratchet	3/4" & 1" Plugs
3/4" square drive, socket extension	1 1/2" Plug (Universal & Stanchion Mount)
soap-thickened mineral oil	thread lubricant

### 2.2 Luminaire Mounting

**2.2.1** Disconnect power to luminaire location.

**2.2.2** Provide and install a suitable mounting structure.

**2.2.2.1** A suitable mounting structure must be provided that supports the full weight of the luminaire in accordance with local codes.

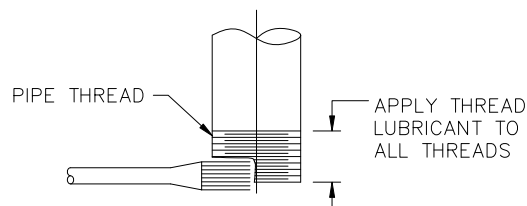
### 2.3 Condensation Inside Conduit

**2.3.1** CABLE GLANDS NOT SUITABLE FOR USE IN HAZARDOUS LOCATIONS

## 3 Applying Thread Lubricant (Figures 2 and 3)

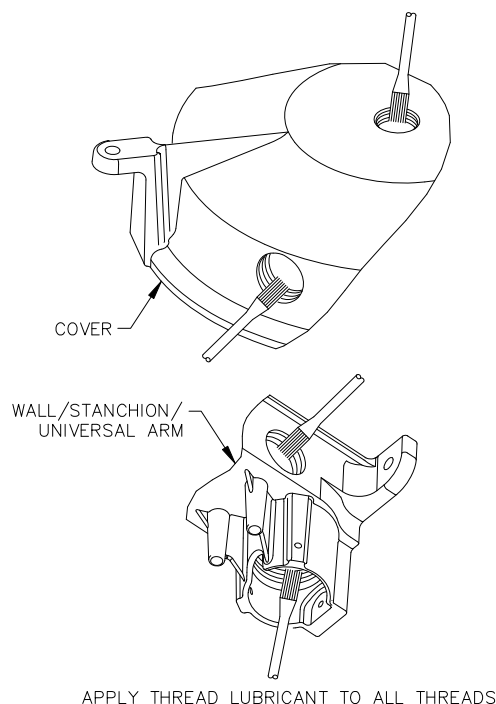
**3.1** Apply petrolatum or soap thickened mineral oil to all used and unused entries. On unused entries, remove plug and apply petrolatum or soap thickened mineral oil to plug and entry threads, then reinstall plug and wipe off any excess.

Figure 2



GR1932A

Figure 3



GR1933A

## 4 Pendant Luminaire Installations (Figure 4)

### 4.1 Mounting

4.1.1 Loosen closure screw and open electrical housing. (See Figure 1)

4.1.2 Un-hinge electrical cover from luminaire.

4.1.3 Remove plastic cover over wiring chamber inside the electrical cover.

4.1.4 Back out the pendant set screw far enough to insure that it will not interfere with the pipe threads.

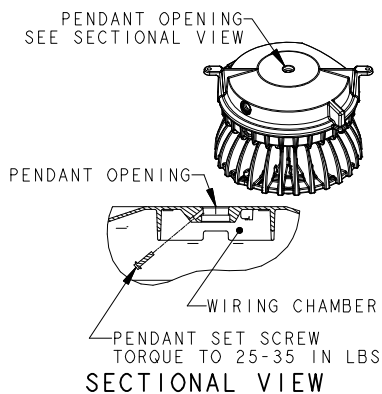
4.1.5 Remove clear dust cover from pendant entry on the outside of the electrical cover.

4.1.6 Pull supply wires through pendant entry and thread electrical cover onto pipe at least (5) full turns until secure. Mounting structure shall support the full weight of the luminaire in accordance with local codes.

4.1.7 Tighten pendant set screw, per torque specified in Figure 4.

4.1.8 Proceed to Section 4.2

Figure 4 – Pendant Mount



GR1926

### 4.2 Wiring

4.2.1 Route supply wires through pendant entry and into electrical cover wiring chamber.

4.2.2 Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

4.2.3 Re-attach plastic cover over wiring chamber inside the electrical cover.

4.2.4 Re-attach luminaire to electrical cover and tighten closure screw to torque specified in Figure 1.

## 5 Ceiling Luminaire Installations (Figure 5)

### 5.1 Mounting

5.1.1 Loosen closure screw and open electrical housing. (See Figure 1)

5.1.2 Un-hinge electrical cover from luminaire.

5.1.3 Remove plastic cover over wiring chamber inside the electrical cover.

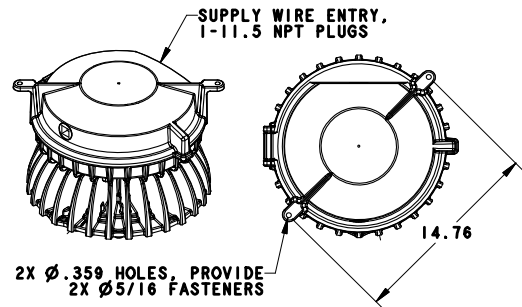
5.1.4 Remove 1-11.5 NPT plugs as needed for supply wire access.

5.1.5 Provide 2X 5/16 diameter fasteners suitable for supporting the luminaire and install electrical cover to suitable structure.

5.1.6 Re-attach luminaire to electrical cover.

5.1.7 Proceed to Section 5.2

Figure 5 – Ceiling Mount



GR1928

### 5.2 Wiring

5.2.1 Route supply wires through pipe entries and into electrical cover wiring chamber. Use wire ties rated 90°C minimum to secure the supply wires to the electrical cover such that they cannot touch any components.

5.2.2 Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

5.2.3 Re-attach plastic cover over wiring chamber inside the electrical cover.

5.2.4 Close luminaire and tighten closure screw to torque specified in Figure 1.

## 6 Wall Luminaire Installations (Figure 6)

### 6.1 Mounting

6.1.1 Loosen closure screw and open electrical housing. (See Figure 1)

6.1.2 Un-hinge electrical cover with mounting bracket from luminaire.

6.1.3 Provide 2X 5/16 diameter fasteners suitable for supporting the luminaire and install the electrical cover with mounting bracket to the structure.

6.1.4 Remove plastic cover over wiring chamber inside the electrical cover.

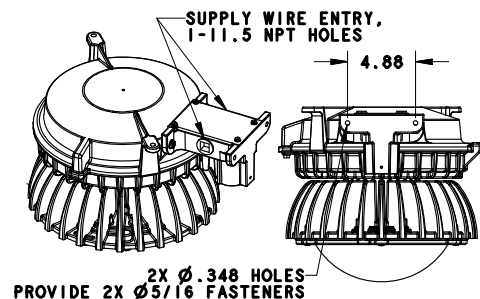
6.1.5 Remove 1-11.5 NPT plugs from the mounting bracket as needed for supply wires.

6.1.6 Remove mounting bracket plate. (See Figure 9)

6.1.7 Re-attach luminaire to electrical cover.

6.1.8 Proceed to Section 6.2.

Figure 6 – Wall Mount



GR1930

## 6.2 Wiring

**6.2.1** Feed supply wires and mounting bracket ground lead from the mounting bracket through the entry hole of the electrical cover and into the wiring chamber. Use wire ties rated 90°C minimum to secure the supply wires to the electrical cover such that they cannot touch any components. Re-attach mounting bracket plate with 4 screws provided, per torque specified in Figure 9.

**6.2.2** Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

**6.2.3** Re-attach plastic cover over wiring chamber inside the electrical cover.

**6.2.4** Close luminaire and tighten closure screw to torque specified in Figure 1.

## 7 Stanchion Luminaire Installations (Figure 7)

### 7.1 Mounting

**7.1.1** Loosen closure screw and open electrical housing. (See Figure 1)

**7.1.2** Un-hinge electrical cover with mounting bracket from luminaire.

**7.1.3** Remove plastic cover over wiring chamber inside the electrical cover.

**7.1.4** Remove mounting bracket plate. (See Figure 9)

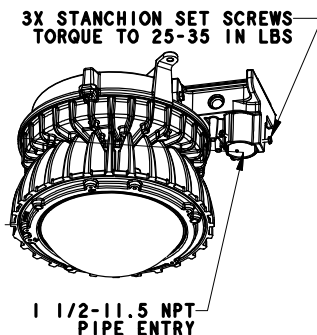
**7.1.5** Feed supply wires through the stanchion opening and into the mounting bracket.

**7.1.6** Thread mounting bracket with electrical cover onto stanchion pipe.

**7.1.7** Rotate cover to desired orientation then tighten (3) stanchion set screws, per torque specified in Figure 7.

**7.1.8** Proceed To Section 7.2

Figure 7 – Stanchion Mount



GR1931

## 7.2 Wiring

**7.2.1** Feed supply wires and mounting bracket ground lead from the mounting bracket through the entry hole of the electrical cover and into the wiring chamber. Use wire ties rated 90°C minimum to secure the supply wires to the electrical cover such that they cannot touch any components. Re-attach mounting bracket plate with 4 screws provided, per torque specified in Figure 9.

**7.2.2** Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

**7.2.3** Re-attach plastic cover over wiring chamber inside the electrical cover.

**7.2.4** Close luminaire and tighten closure screw to torque specified in Figure 1.

## 8 Universal Luminaire Installations, Mounted as Pendant or Ceiling (Figure 8)

### 8.1 Pendant Mounting

**8.1.1** Loosen closure screw and open electrical housing. (See Figure 1)

**8.1.2** Un-hinge electrical cover from luminaire.

**8.1.3** Remove plastic cover over wiring chamber inside the electrical cover.

**8.1.4** Back out the pendant set screw far enough to insure that it will not interfere with the pipe threads.

**8.1.5** Remove plug from pendant entry on the outside of the electrical cover.

**8.1.6** Pull supply wires through pendant entry and thread electrical cover onto pipe at least (5) full turns until secure. Mounting structure shall support the full weight of the luminaire in accordance with local codes.

**8.1.7** Tighten pendant set screw, per torque specified in Figure 4.

**8.1.8** Route supply wires through pendant entry and into electrical cover wiring chamber.

**8.1.9** Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

**8.1.10** Re-attach plastic cover over wiring chamber inside the electrical cover.

**8.1.11** Re-attach luminaire to electrical cover and tighten closure screw to torque specified in Figure 1.

### 8.2 Ceiling Mounting

**8.2.1** Loosen closure screw and open electrical housing. (See Figure 1)

**8.2.2** Un-hinge electrical cover from luminaire.

**8.2.3** Remove plastic cover over wiring chamber inside the electrical cover.

**8.2.4** Remove 1-11.5 NPT plugs as needed for supply wire access.

**8.2.5** Provide 2X 5/16 diameter fasteners suitable for supporting the luminaire and install electrical cover to suitable structure.

**8.2.6** Re-attach luminaire to electrical cover.

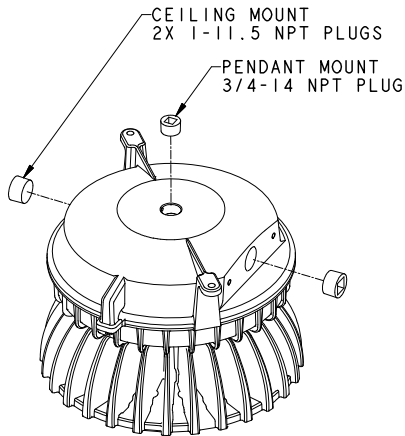
**8.2.7** Route supply wires through pipe entries and into electrical cover wiring chamber. Use wire ties rated 90°C minimum to secure the supply wires to the electrical cover such that they cannot touch any components.

**8.2.8** Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

**8.2.9** Re-attach plastic cover over wiring chamber inside the electrical cover.

**8.2.10** Close luminaire and tighten closure screw to torque specified in Figure 1.

**Figure 8 – Universal Mounted As Pendant or Ceiling**



GR2079

## 9 Universal Luminaire Installations, Mounted as Wall or Stanchion (Figure 9)

### 9.1 Wall Mounting

**9.1.1** Loosen closure screw and open electrical housing. (See Figure 1)

**9.1.2** Un-hinge electrical cover with mounting bracket from luminaire.

**9.1.3** Provide 2X 5/16 diameter fasteners suitable for supporting the luminaire and install the electrical cover with mounting bracket to the structure.

**9.1.4** Remove plastic cover over wiring chamber inside the electrical cover.

**9.1.5** Remove 1-11.5 NPT plugs from the mounting bracket as needed for supply wires.

**9.1.6** Remove mounting bracket plate.

**9.1.7** Re-attach luminaire to electrical cover.

**9.1.8** Feed supply wires and mounting bracket ground lead from the mounting bracket through the entry hole of the electrical cover and into the wiring chamber. Use wire ties rated 90°C minimum to secure the supply wires to the electrical cover such that they cannot touch any components. Re-attach mounting bracket plate with 4 screws provided, per torque specified in Figure 9.

**9.1.9** Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

**9.1.10** Re-attach plastic cover over wiring chamber inside the electrical cover.

**9.1.11** Close luminaire and tighten closure screw to torque specified in Figure 1.

### 9.2 Stanchion Mounting

**9.2.1** Loosen closure screw and open electrical housing. (See Figure 1)

**9.2.2** Un-hinge electrical cover with mounting bracket from luminaire.

**9.2.3** Remove plastic cover over wiring chamber inside the electrical cover.

**9.2.4** Remove mounting bracket plate.

**9.2.5** Feed supply wires through the stanchion opening and into the mounting bracket.

**9.2.6** Thread mounting bracket with electrical cover onto stanchion pipe.

**9.2.7** Rotate cover to desired orientation then tighten (3) stanchion set screws, per torque specified in Figure 7.

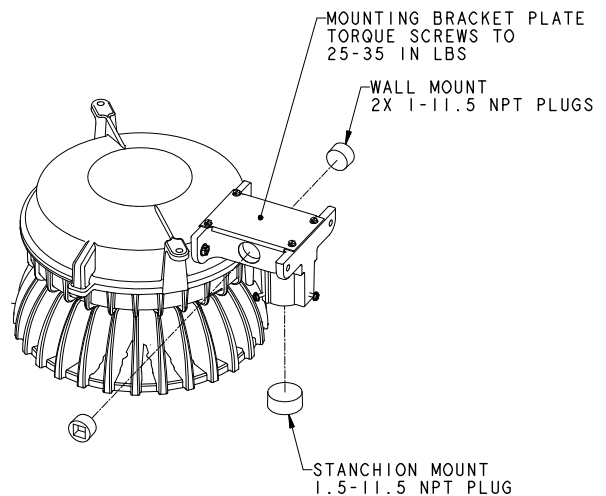
**9.2.8** Feed supply wires and mounting bracket ground lead from the mounting bracket through the entry hole of the electrical cover and into the wiring chamber. Use wire ties rated 90°C minimum to secure the supply wires to the electrical cover such that they cannot touch any components. Re-attach mounting bracket plate with 4 screws provided, per torque specified in Figure 9.

**9.2.9** Make appropriate supply and ground connections to the luminaire wires in accordance with local codes.

**9.2.10** Re-attach plastic cover over wiring chamber inside the electrical cover.

**9.2.11** Close luminaire and tighten closure screw to torque specified in Figure 1.

**Figure 9 – Universal Mounted As Wall or Stanchion**



GR2080

## 10 Dimming Option (See Figure 10)

### 10.1 Dimming Option

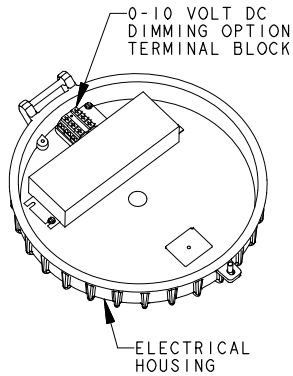
**10.1.1** Remove un-used NPT plug and provide and install separate conduit and water tight connection to luminaire for dimming supply wires.

**10.1.2** Route 0-10V DC dimming supply wires, rated 90°C minimum, to the luminaire for the dimming option. Use wire ties rated 90°C minimum to secure the supply wires to the electrical cover such that they cannot touch any components.

**10.1.3** Connect DC supply wires to terminal block located between the electrical housing hinge and the electronic driver.

**10.1.4** Close luminaire and tighten closure screw to torque specified in Figure 1.

Figure 10 – Dimming Option



GR1935A

## 11 Energize Luminaire

11.1 Energize luminaire and check for correct operation.

11.1.2 A few second delay before the LED's turn on is typical for this luminaire.

## 12 Maintenance

### 12.1 Gasket Joint Surfaces

12.1.1 Check the condition of gaskets and gasket joint surfaces. Gaskets that show signs of damage or wear and gasket joint surfaces that have debris may affect seal integrity.

CONTACT YOUR LOCAL HOLOPHANE REPRESENTATIVE FOR HOLOPHANE APPROVED REPLACEMENT PARTS

### 12.2 Cleaning

12.2.1 Disconnect power to the unit prior to opening and performing any maintenance.

12.2.2 Wipe off exterior dirt and debris using a soft clean cloth. A mild detergent and water may be used if necessary.

### CAUTION

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

## 12.3 Optic and Optic Joint

### CAUTION

THE GLASS OPTIC ASSEMBLY IS A NON-ACCESSIBLE JOINT FOR LED PETROLUX USED IN HAZARDOUS LISTED LOCATIONS (HPLD) AND SHALL NOT BE OPENED. REPLACE WITH NEW, SUB-ASSEMBLY BELOW ELECTRICAL COVER.

CONTACT YOUR LOCAL HOLOPHANE REPRESENTATIVE FOR HOLOPHANE APPROVED REPLACEMENT PARTS

## 12.4 Electrical Component Replacement

CONTACT YOUR LOCAL HOLOPHANE REPRESENTATIVE FOR HOLOPHANE APPROVED REPLACEMENT PARTS

12.4.1 Disconnect power to the luminaire location before maintenance. Loosen closure screw and open electrical housing. See Figure 1.

12.4.2 Tag leads before disconnecting.

12.4.3 Replace components using Holophane approved replacement parts.

12.4.4 Examine the condition of electrical cover gasket and gasket joint surfaces. See Section 12.1

12.4.5 Re-connect electrical components

12.4.6 Close luminaire and tighten closure screw to torque specified in Figure 1.

## 13 Limited Warranty and Limitation of Liability

The Holophane limited warranty and limitation of liability is published in the "Terms and Conditions" document at <http://www.holophane.com/>.



Acuity Brands Lighting, Inc.  
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