

### 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.



### 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.



### 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 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.
- Never connect an LED product to an unapproved dimmer pack. Contact ABL directly for any dimmers not specifically recommended for the product.
- Unless individual product specifications deem otherwise: 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: Maximum ambient temperature is 90°C. Do not operate fixture at temperatures higher than this.
- Unless individual product specifications deem otherwise: Never mount in places where fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.
- 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.
- There are no user serviceable parts inside the unit. Do not rewire, reconfigure, or modify the unit or attempt any repairs yourself. Additionally, field replacement of the LED assembly or lamps is not allowed by UL standards at this time. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative.

All luminaires that contain electronic devices that generate frequencies above 9kHz from any component within the luminaire comply with one of the following Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This device complies with Part 18 of the FCC Rules but may cause interference with cordless and cell phones, radios, televisions, and other electronic devices. To correct the problem move the device away from the luminaire or plug into a different outlet. This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communications equipment operating between 0.45-30MHz.

**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  
© 2010 Acuity Brands Lighting, Inc. All rights reserved. 12/01/10

Prior to installing the fixture, disconnect ALL power supplies to the unit. This module may be installed in TYPE IC or NON-IC installations. For TYPE NON-IC INSTALLATION ONLY: No insulation may be placed over the top of or within 3" (76mm) of the fixture.

**INSTALLATION INSTRUCTIONS FOR 6BPMW LED AND 5BPMW LED**

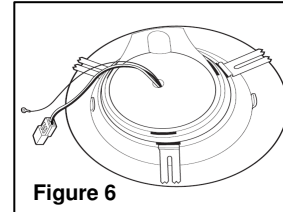
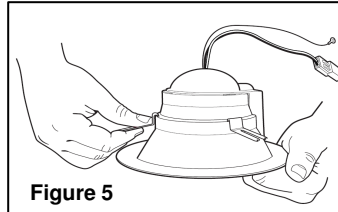
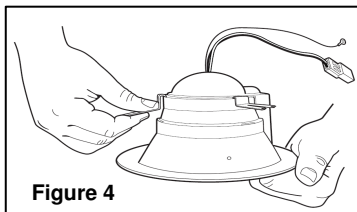
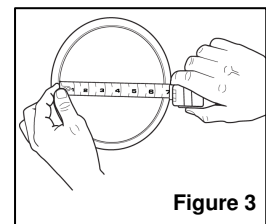
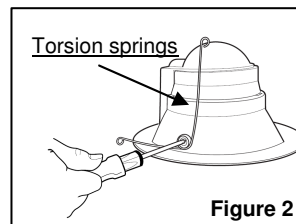
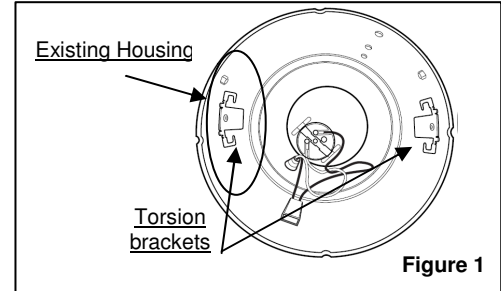
**Step 1: 6BPMW LED - Determine Mounting Method**

A. Housing with torsion brackets (see Figure 1); use torsion springs to install LED module.

- Go to Step 2 – Grounding Wire

B. Housing without torsion brackets; use retention clips to install LED module.

1. Remove the springs (see Figure 2).
2. Select retention clip position (Figure 3).
  - Housing inside diameter 6.20" or less; use upper clip slots (Figure 4). Insert clips at the upper three slots (Figure 6).
  - Housing inside diameter 6.20" or more; use lower clip slots (Figure 5). Insert clips at the lower three slots (Figure 6).
3. Go to Step 2 – Grounding Wire



- If the retention clips are in the bottom position (see Figure 4), make sure there are no obstructions that will interfere with the clips 1" from the bottom of the recessed housing.
- If the retention clips are in the top position (see Figure 5), make sure there are no obstructions that will interfere with the clips within 2-1/4" from the bottom of the recessed housing

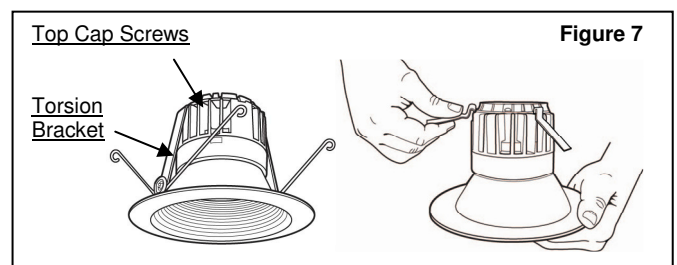
**Step 1: 5BPMW LED - Determine Mounting Method**

A. Housing with torsion brackets (see Figure 1); use torsion springs to install LED module.

- Go to Step 2 – Grounding Wire

B. Housing without torsion brackets (see Figure 7); use retention clips to install LED module.

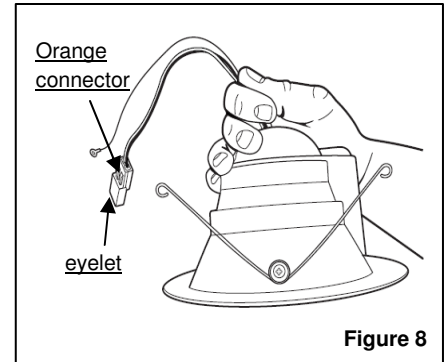
1. Remove top cap screws and discard the torsion spring brackets.
2. Insert three clips into upper slots.
3. Go to Step 2 – Grounding Wire



**Step 2: Grounding Wire**

**NOTE – DO NOT LET THE MODULE HANG UNSUPPORTED BY THE ORANGE CONNECTOR (Figure 8)**

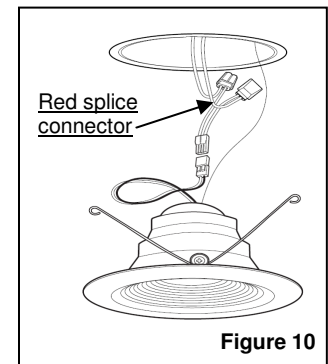
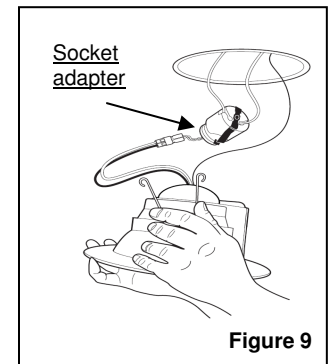
- A. Recessed housing with grounding wire:
  1. Cut off the grounding wire eyelet from the LED module.
  2. Pair the LED module's bare copper grounding wire with the grounding wire from the recessed housing and secure with a wire nut.
- B. Recessed housing without grounding wire:
  1. Install the grounding wire eyelet into a 8-18 x 3/8" screw (Lithonia Lighting housings). Or,
  2. Install the eyelet through an 8-18 or equivalent self-tapping screw and secure into the housing wall.



**Step 3: Determine Wiring Method (Select one wiring method)**

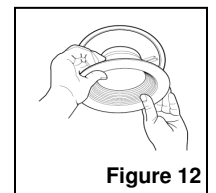
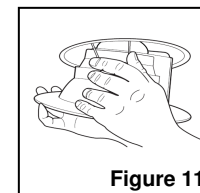
- A. E26 Socket Adapter:
  1. Screw E26 socket adapter into the base socket inside the housing.
  2. Plug the orange connector of E26 socket adapter into the LED module's mating orange connector (see Figure 9). Or,
- B. LED Connector:
  1. Plug orange connector from the module into the mating orange connector in the recessed housing. -This type of connection complies with Title 24 (permanent LED installation). Or,
- C. Hard Wire Connection Kit:
  1. Cut existing socket wires inside the recessed housing close to the socket (discard socket).
  2. Cut the E26 socket adapter wires close to the screw base (discard screw base).
  3. Match wires from socket adaptor and housing by color and insert each wire into red splice connector openings until fully seated.
  4. Using pliers, firmly squeeze the metal U-shaped insert into the wires.
  5. Flip the cover closed to secure the connection. (see Figure 10)
  6. Plug orange connector from the module into the mating orange connector in the recessed housing.

Like option B, this is for permanent LED installation (where required), and meets regulations such as Title 24.



**Step 4: Installation of the module into the recessed housing**

- A. Torsion springs: Squeeze each torsion spring together and seat them inside the housing torsion brackets. Release springs, and gently push module into housing until flush with ceiling. (Figure 11)
- B. Spring retention clips: Center the LED module in the housing opening and gently push the module up into the housing evenly on all sides until flush with ceiling (Figure 12).



**NOTE:**

- Align the three retention clips with the recessed housing avoiding interference with anything protruding from the housing walls.
- For removal of a recessed LED module with retention clips, pull down and rotate back and forth until free. Use two standard flat blade screw drivers to pry the module apart from the recessed housing. This will aid in the removal process.

## INSTALLATION INSTRUCTIONS FOR 4BPMW LED

### Retrofit 4" Installation with Socket Adaptor into Existing or New Construction Recessed Can:

1. Remove the existing lamp and reflector, leaving the socket hanging freely by the wires.
2. Securely screw socket adapter into socket inside the can. While supporting the LED module, plug the orange connector of socket adapter into the LED module's mating orange connector.

DO NOT LET THE MODULE HANG UNSUPPORTED BY THE ORANGE CONNECTORS.

3. Once all connections are complete, gently push the LED trim into the recessed can opening until clips engage inside of can, and the trim is flush with the ceiling surface.

NOTE: If installing into a retrofit-style housing with internal ceiling support clips, be sure to offset the clips on the trim with the clips inside can.

4. INSTALLATION COMPLETE.

### Retrofit 4" Installation with Hardwire Connection Kit:

1. Remove the existing lamp and reflector, leaving the socket hanging freely by the wires
2. Cut existing socket wires inside the recessed can close to the socket, and discard the socket.
3. Remove the socket adapter from the box. Cut both adapter wires close to the socket adapter and away from the orange connector, and discard the socket. Remove the (2) red splice-connectors from the hardwire kit bag. Pair the housing and orange connector wires by color into each red connector. Firmly squeeze the metal U-shaped insert into the wires. Flip the cover closed to secure and insulate the connection.

4. While supporting the LED module, plug connector from the module into the mating connector just installed into the recessed can. Push the wires and mated connectors up into the recessed can. DO NOT LET THE MODULE HANG UNSUPPORTED BY THE ORANGE CONNECTORS.

5. Once all connections are complete, gently push the LED trim into the recessed can opening until clips engage inside of can, and the trim is flush with the ceiling surface.

NOTE: If installing into a remodeler-style recessed can with internal ceiling support clips, be sure to offset the trim clips away from the black clips inside can.

6. INSTALLATION COMPLETE.

---

**RECOMMENDED DIMMING SWITCHES:** The LED Modules are compatible with a multiple of standard residential dimmers. A list of recommended dimmers can be found at [www.lithonia.com](http://www.lithonia.com), keyword search 6BP. Exclusion from the list does not mean a dimmer will not work in conjunction with your LED module. Consult with your dimmer manufacturer regarding compatibility with LED modules/lamps.

**RECESSED CAN COMPATIBILITY:** Lithonia's 6" LED modules are tested to fit in a minimum enclosure of 6.0" diameter by 5.75" height, with a maximum flange diameter of 7.5". For a list of compatible housings go to [www.lithonialighting.com](http://www.lithonialighting.com), keyword search 6BP.

**LISTINGS:** CSA certified to US and Canadian safety standards; Energy Star qualified; California Title 24 compliant; damp location listed; and WSEC ASTM E283 for Air-Tight rated with IC housings. Minimum lamp compartment 6 inches (151 mm) diameters by 7 inches (179 mm) tall or minimum lamp compartment 198 IN3 (503cm3). Use only in open luminaires. Suitable for Type IC or Type Non-IC luminaires. The retrofit kit is accepted as a component of a luminaires where the suitability of the combination shall be determined by CSA or authorities having jurisdiction.

**PATENTS PENDING**



**INSTALLATION INSTRUCTIONS**  
**6BPMW LED (6" Baffle LED Module); 5BPMW LED (5" Baffle LED Module)**  
**4BPMW LED (4" Baffle LED Module)**

**FIVE YEAR LIMITED WARRANTY – INDOOR LED ENERGY STAR QUALIFIED RESIDENTIAL DOWNLIGHTING PRODUCTS**

Subject to the exclusions set forth below, Acuity Brands Lighting, Inc. ("Acuity") warrants this Energy Star® qualified Lithonia Lighting indoor light emitting diode (LED) residential downlighting product ("LED Product"), purchased from an authorized reseller, to be free from defects in material and workmanship (the "Limited LED Warranty") for a period of five (5) years from the date of purchase. The LED arrays in the LED Product will be considered defective in material or workmanship only if the LED Product fails to operate or if a total of 15% or more of the individual light emitting diodes in the LED Product fail to illuminate.

If the LED Product fails to comply with the terms of this Limited LED Warranty, Acuity will repair or replace the LED Product with the same or a functionally equivalent LED Product or component part. If it is not commercially practicable for Acuity to repair or replace the LED Product, Acuity will refund to you the purchase price paid by you for the LED Product. This Limited LED Warranty excludes labor required to remove and/or reinstall original or replacement LED Product or component parts. The repair or replacement of the LED Product or any component part is the sole and exclusive remedy for failure of the LED Product to comply with the terms of this Limited LED Warranty and does not extend the Limited LED Warranty period. Warranty claims regarding the LED Product may be made by contacting our Post Sale department at 1-800-315-4935 or [PSGDR01@acuitybrands.com](mailto:PSGDR01@acuitybrands.com) for a return authorization and shipping instructions. You must provide proof of purchase when making a warranty claim with us. Sales receipt or online registration at [lightahome.com](http://lightahome.com) are examples of acceptable proof of purchase. If we ask you to return the product to us for repair or replacement, you will be required to pay the cost of shipping the LED Product. In addition, you may also be able to make a warranty claim regarding the LED Product by returning the LED Product to your authorized reseller for replacement, refund or credit, in accordance with its applicable return policy.

This Limited LED Warranty extends only to the LED Product at the original installation location. This Limited LED Warranty applies only when the LED Product is installed in applications in which ambient temperatures are within the range of intended operating temperatures. Acuity will not be responsible under this Limited LED Warranty for any failure of the LED Product that is a result of external causes such as acts of nature; physical damage; environmental conditions; vandalism; fire; power failure, improper power supply, power surges or dips, or excessive switching; induced vibration; animal or insect activity; your fault or negligence or the fault or negligence of anyone hired by you; improper or unauthorized use, installation, handling, storage, alteration, maintenance or service or failure to comply with any applicable codes and/or recommendations, product specification sheets or instructions of Acuity; failure resulting from use with non-Acuity products, processes or materials; or any other occurrences beyond Acuity's reasonable control. This Limited LED Warranty does not apply to LED downlighting products sold for commercial purposes, indoor residential LED downlighting products that do not qualify for Energy Star ratings, or any other consumer or commercial products, all of which are governed by separate limited warranty terms.

EXCEPT AS EXPRESSLY PROVIDED IN THIS LIMITED LED WARRANTY, ACUITY MAKES NO WARRANTIES OF ANY KIND WITH RESPECT TO THIS PRODUCT, AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY LIMITED TO THE FIVE (5) YEAR DURATION OF THIS LIMITED WARRANTY. ACUITY'S TOTAL LIABILITY ARISING IN ANY MANNER IN CONNECTION WITH THIS LED PRODUCT SHALL BE LIMITED TO THE AMOUNT OF THE PURCHASE PRICE PAID BY YOU AND IN NO EVENT SHALL ACUITY BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS OR REVENUES OR LOSS OF USE OF THIS LED PRODUCT.

NOTE: This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.