**FRAXION4 SLIM**

**IC / NON-IC**

**RECESSED LED DOWNLIGHT HOUSINGS AND TRIMS**

**INSTALLATION**

Before beginning any DOWNLIGHT installation, disconnect electrical power at main switch or circuit breaker.

**A. CAUTION**

To reduce the risk of fire, electric shock, and potential damage to recessed housing assembly when electrical power is re-connected, DO NOT ATTEMPT TO CONNECT the following on branch circuit serving recessed downlight assembly:

- Motors
- Power tools
- Extension cords
- Appliances or similar electronics

Housings to be mounted in ceiling / plenum conditions **where ambient temperatures do not exceed 40°C**.

Lucifer Lighting LEDX housings must be used with Lucifer Lighting LEDX downlights.

Ensure AC input voltage is protected against surges & load shifts prior to power supply input.

**B. SAFETY INSTRUCTIONS**

1. Read installation instructions completely before attempting installation.
2. Failure to follow instructions may result in improper installation and void warranty.
3. Contact Lucifer Lighting Company with any questions or concerns before beginning any installation.
4. Ensure qualified electrician will perform all electrical procedures.
5. Disconnect electrical power circuit before attempting to install recessed downlight housing or trim, or if adding to or changing configuration of downlight housing or trim assembly.
6. Install/mount recessed downlight housing on structurally sound surface.
7. Recessed downlight housings may be installed in dry or damp locations only.
8. Do not install recessed downlight assembly closer than 6” (152mm) from curtains, exotic veneers, or similar combustible or heat-sensitive materials.
9. **IC housing requires:**
   - Direct contact with polycell spray-in foam insulation having max R-Value of 60 allowed on all sides and top of housing.
10. **Non-IC housing requires:**
    - Minimum 1/2” (13mm) setback from combustible materials on all sides and top of housing.
    - Minimum 3” (76mm) setback from insulation material having max R-value of 60 on all sides and top of housing.
    - Minimum 6” (152mm) from polycell spray-in foam insulation having max R-Value of 60 on all sides and top of housing.
11. **High Flux Non-IC housing requires:**
    - Use with 80C58B and 90C50B lumen packages only.
    - Minimum 1/2” (13mm) setback from combustible materials on all sides and top of housing.
    - Minimum 3” (76mm) setback from insulation material having max R-value of 60 on all sides and top of housing.
    - Minimum 6” (152mm) from polycell spray-in foam insulation having max R-Value of 60 on all sides and top of housing.
12. **Consult factory for spacing requirements for any installations exceeding R-Value of 60.**
C. HOUSING INSTALLATION
1. KEY HOUSING COMPONENTS

**Note:** Housing aperture is equipped with a disposable foam plug to minimize dust/paint invasion. Remove after final finish is applied to ceiling.

**WARNING:** Do not energize housing with foam installed.

Become familiar with the wiring compartment access points, hanger bar assemblies, and housing collar features associated with the IC and non-IC housing platforms.

IC and Non-IC housings provide access to splice compartment through housing neck for servicing from below. Grasp tab on splice compartment door, pulling forward to expose wiring ([Fig.1]). See Section G for instructions on removing fixture trim for servicing access through housing neck.

**Note:** Housing lid is not removable in the field.

Housings also provides access to splice compartment from ceiling side via cover plate retained with screws ([Fig.2]). IC housing features gasket on cover plate to maintain airtight seal.

Housings outfitted with fixed-depth collar, preset to 0.46” [12mm] for round and square fixtures; deep regress housings feature 0.50” [12.5mm] collar. Collar for square fixtures can be rotated up to 45° to ensure proper alignment. Secure collar to prevent rotation using set screw on bottom of housing ([Fig.3]).

2. HANGAR BAR ASSEMBLIES

Hanger bars extend from 14” [356mm] to 24” [610mm] centers and mount to short axis of housing. To install hanger bars on housing, slide mating halves together, joining through mounting bracket on housing sides. Secure position with locking screws ([Fig.4]).

**Note:** For Deep Regress housings specified for .5”-.75” ceiling thickness, hanger bars extend below housing ([Fig.5]).
3. MOUNT HOUSING
Follow steps to ensure successful installation.

**Note:** For trimless applications, the trim with integral appliqué must be installed after sheetrock and before the mudding process. Plan and secure accordingly to maintain construction schedules.

**General Housing Mounting Notes:**
Recessed downlight housings installed in accessible and non-accessible ceilings shall be supported from the structural members of the building. Do not support housings by lay-in ceiling tile or support T-bars only, unless deemed suitable by NEC national and/or local code authority.

Recessed downlight housings are thermally protected, as required by Underwriters Laboratories (UL). Cycling fixture may indicate improper housing installation, inadequate plenum space surrounding housing, or incompatible higher-wattage LED for specified housing. Verify that insulation spacing complies with required setbacks (see Section B) and that LED’s wattage is suitable for housing.

Determine specified fixture location, ensuring that sufficient space exists to accommodate housing while maintaining factory-established setbacks from construction materials and insulation (see Section B).

With hanger bars properly affixed to housing (see Section C-2), attach hanger bars to selected framing member.

**Wallwash Housing:**
Housing shipped with LED module angled away from splice compartment and may be rotated up to 90° ([Fig.6](#)). LED module may also be removed and repositioned.

To rotate LED module: through housing aperture loosen two Phillips screws ([Fig.7](#)), rotate LED as shown below and tighten screws.

To reposition LED module: through housing aperture remove two phillips screws ([Fig.7](#)), rotate LED module and replace screws.

**WARNING:** Do not overtighten. Never tighten LED screws using a powered screwdriver.

**Note:** If LED module is removed and repositioned, the LED module may need to be removed to service power supply.

**Note:** Do not remove disposable foam plug until plaster and paint has dried and baffle is ready to be installed.

**Fig.6**

**Fig.7**

**WARNING:** Do not energize housing before removing disposable plug.
**Wood or Metal Studs:**
Position reference tab of hanger bar foot to underside of stud [Fig.8]. If wood, use integral nailing tab and suitable customer-supplied nail or screw to secure. If metal, use suitable customer-supplied screws [Fig.9].

**Note:** Must use two nails or screws at each of four hanger bar feet.

**T-Bar Frame:**
Slide hanger bar over appropriately supported T-bar frame. Lock in place using customer-supplied #8 self-tapping screw in hanger bar foot [Fig.10].

**Note:** See Section C-5 for additional instructions regarding installation of ceiling tiles.

**Furring Channel:**
Bracket accommodates 1 1/2” depth furring channel as shipped. If using 7/8” depth furring channel, fold at break line and remove extension tab. Install bracket by latching it over the flanges of the channel. Fold tabs toward channel to lock bracket in place. Secure hanger bar to bracket using supplied screws [Fig.8].

Verify correct housing aperture position using laser or string line, referencing edges of housing [Fig.12].

Tighten hanger bar locking screw to set lateral movement, and ensure all mounting screws are securely tightened (see Section C-2).

**Important:** Collar must not protrude beyond ceiling plane [Fig.13].
4. WIRE HOUSING

**Note:** Consult Safety Instructions in Section B prior to commencing wiring or servicing.

**General Wiring Notes:**
The housing assembly should be installed by a registered electrician and shall comply with National Electric Code (NEC) and local codes and ordinances.

The installer of the housing assembly is responsible for furnishing proper electrical equipment and materials for the installations of the housings as intended by these installation instructions.

Metal conduit shall be used if required by applicable codes. Wire insulation must feature the appropriate temperature rating as specified on the label for each Lucifer Lighting Company downlight housing.

The ground wire at the service junction box shall be secured to a ground screw. No part of the secondary circuit shall be grounded.

For systems that will be dimmed, consult controls manufacturer to verify control compatibility, and for proper installation procedures and parameters.

**Important:**
Install housings in a manner to permit access to components and splice connections which may require future service. **Customer-supplied feed wires** within splice compartment should be provided in **minimum lengths of 8” (203mm)** to accommodate future servicing.

**Wiring Installation Process:**
Splice compartment provides three (3) wires for connection to the line voltage: black, white and green *(Fig.14).*

**Note:** Consult wiring diagrams on page 13, wiring housing in accordance with the applicable driver type and proper selection of control voltage wires. Supplied internal wiring is 18-gauge with 600V-rated insulation.

Remove splice compartment cover plate, gaining access to wiring of housing *(Fig.15).*

**Note:** If using IC housing, ensure that cover plate gasket is undamaged.

Use appropriate raceway, connectors, wire, and strain reliefs as required, installing same through knockout in housing splice compartment.

Join structured building wires to corresponding housing wires with suitable customer-supplied wire connecting device *(Fig.14).*

**Note:** Ensure that wires are firmly joined together prior to moving to the next step.

Push all wires and wire connections into splice compartment, and reinstall splice compartment cover plate, ensuring that no wires are pinched by cover.

**Important:** Verify that required minimum 8” wire lengths exist in splice compartment. Confirm that housing is still in the preferred position.

---

**Fig.14**

**Fig.15**
4.1 REMOTE POWER SUPPLY
Determine preferred mounting location, verifying that fixture falls within maximum allowed wiring distance [Fig.16].

Run adequately sized two-pair wire between remote driver and housing, following installation guidelines for terminating as needed.

**Note:** Secondary wiring is polarized (+/-) and must be terminated correctly at both ends for proper operation. It is recommended to use Red (+) and Black (-) wires to avoid confusion. No ground wire necessary on secondary side.

Ensure proper polarity is observed as reversed polarity may damage the unit and may void the warranty.

Access splice compartment by removing retaining screws, then tilting cover slightly back and away from base [Fig.17].

Mount power supply back plate assembly to suitable substrate using customer-supplied screws [Fig.18].

Insert line voltage wiring/conduit into line side of splice compartment and secondary voltage wiring/conduit into secondary side of splice compartment, utilizing appropriate strain relief or connector.

**Note:** Consult wiring diagrams on page 13 for applicable driver type.

Join structured building wires to corresponding driver wires with suitable customer-supplied wire connecting device.

Push all wires and wire connections into splice compartment and reinstall splice compartment cover by aligning tab and slot, ensuring that no wires are pinched by cover. Install retaining screws.

**Important:** Ensure foam aperture insert is in place prior to commencing ceiling installation. Failure to comply may result in damage to the LED or optic.

**Lutron Drivers:** “L23” & “LH1”

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**Philips Drivers:** “TR2” & “AN4”

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**eldoLED Drivers:** “ED1”, “LD1”, “LA2”, “EA2”, “DD1”, “DG1” & “DL1”

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**Min. 8” feed wires in splice compartment**

**Hole locations may vary**
5. CEILING SUBSTRATE AND FINISH OUT

5.1 CEILING THICKNESS
Compatible with .625” (16mm) to 1.0” (25mm) ceilings. Deep regress fixtures specified to accommodate either .5” (13mm) to .75” (19mm) or .76” (19mm) to 1.0” (25mm) ceilings.

5.2 CEILING CUT-OUTS
Factory recommends use of properly sized hole saw for cut-outs. Correct size and quality of hole is critical. Many trims have minimal ceiling overlay of trim flange.

Make proper hole cut-out, referencing measurements from adjacent walls to housing neck / aperture centerline.

IC & NON-IC HOUSINGS CEILING CUT-OUTS
4.625” (117mm) dia. for round fixtures
4.625” x 4.625” (117mm) for square fixtures

5.3. JA8-2016 TITLE 24 INSTALLATIONS
Once the ceiling is installed, using a caulk suitable for the site conditions and associated materials, apply a bead of caulk between housing collar and ceiling substrate to create an airtight seal, in accordance with CEC instructions and guidelines (Fig.19) (Fig.20).

5.4 GYPSUM BOARD
Install drywall in typical fashion. Oversized hole cut-outs must be filled in with mud or plaster, utilizing appropriate tape in accordance with industry standards.

Trimless: For trimless installations, see Section E-2. Trim adaptor with attached appliqué must be installed prior to mudding or finishing of ceiling. Failure to follow these instructions will lead to failed expectations and added expense.

Sand, prime, and apply finish coat to ceiling.

5.5 WOOD CEILING
Install wood in accordance with local and national building codes, employing suitable fire barriers as required. Hole cut-outs should be clean and precise. Sand, stain and apply finish seal coat prior to installing trim.

Important: Trimless installations are not compatible with wood ceiling applications.
5.6 T-GRID LAY-IN TILE CEILING
Install tiles in accordance with manufacturer’s recommendations. Housings must be fully supported by T-grid or framing structure above and not solely by decorative ceiling tile.

**Note:** See General Housing Mounting Notes in Section C-3.

**Important:** Trimless installations are not compatible with lay-in tile ceiling applications.

### D. DRIVER INSTALLATION

**Note:** Driver ships installed in Fraxion4 Slim housings, this step is only required for driver replacement.

1. DRIVER INSTALLATION

Join 6-pin quick-connector \(\text{[Fig.20]}\) to connector within housing. For Tunable White fixtures join 9-pin quick-connector \(\text{[Fig.20]}\) to connector within housing.

Raise driver sled assembly into housing through housing collar, making sure to lead with driver sled and not sleeved wires \(\text{[Fig.21]}\).

Leave sleeved wire with 2-pin quick-connector \(\text{[Fig.20]}\) to dangle from ceiling through housing collar. For Tunable White fixtures Leave sleeved wire with 4-pin quick-connector \(\text{[Fig.20]}\) to dangle from ceiling through housing collar.

Rest driver sled on bottom surface of housing and slide to back side, pressing firmly until Velcro engages to retain sled in place \(\text{[Fig.22]}\).

Join 2-pin quick-connector or 4-pin quick connector for Tunable White \(\text{[Fig.20]}\) from driver to LED and push wires and connector to side of housing.

For completed sled installation in housing, see \(\text{Fig.22}\).
E. TRIM INSTALLATION
Ensure ceiling is finished before beginning trim installation. For trimless installations refer to section E.2.

Remove disposable foam plug.

WARNING: Do not energize housing before removing disposable foam plug.

1. MICROFLANGE & FLANGE TRIMS
Important: Before installing trim in ceiling, ensure that LED module is properly secured in place and the optic is aligned and locked into LED module. Secure optic to LED module by aligning two locking tabs and twisting clockwise [Fig.23]. See Section G for LED module and optic installation.

Raise trim flange into housing collar, making sure that the retaining clamps are pointed inward into aperture. Once seated in housing, begin tightening clamping screws, ensuring clamps swing out and then down to engage top of housing collar lip [Fig.24].

Important: For square fixture installations, fixture requires final alignment. Utilize string line or laser level to obtain uniform or desired alignment between multiple fixtures or in relation to parallel planes.

Hand-tighten clamping screws, not exceeding 5 in-lbs (0.565 N-m), ensuring that trim flange seats uniformly flush with finished ceiling plane [Fig.25].

WARNING: Do not overtighten. Never tighten clamping screws using a powered screwdriver.

Raise baffle with attached lens / film into trim aperture, and push up until baffle locks into place [Fig.25].

Wallwash Fixtures: Baffle requires alignment to achieve proper wallwashing. Ensure that the baffle and trim are oriented to direct light perpendicular to the washed wall [Fig.26].
2. TRIMLESS

Remove and discard disposable foam plug.

**Important:** Trim adaptor with attached appliqué must be installed prior to mudding or finishing of ceiling. Failure to follow these instructions will lead to failed expectations and added expense.

Raise trimless appliqué assembly into housing collar until applique is flush with substrate. Using factory supplied screws, secure applique to substrate ([Fig.27]).

**Important:** For square fixture installations, fixture requires final alignment. Utilize string line or laser level to obtain uniform or desired alignment between multiple fixtures or in relation to parallel planes.

Hand-tighten screws, ensuring that appliqué seats uniformly flush with finished ceiling plane ([Fig.27]).

**WARNING:** Do not overtighten. Never tighten screws using a powered screwdriver.

After fixture is secured, install plaster plug ([Fig.28]). Apply tape over finger pull to protect optic and LED. Do not remove plug until all plaster and paint work is complete.

Use floating knife to apply first pass of drywall compound and float area up to slightly below edge of appliqué / plaster stop. Float out as far as necessary to hide perforated appliqué and allow first pass of joint compound to dry ([Fig.29]).

Apply second coat of drywall compound level with screed edge, feathering compound as you move away from appliqué to give appearance of a perfectly flat ceiling ([Fig.30]). Allow drywall compound to dry fully and cure.
Gently use block sanding screen to sand surface *(Fig.31)* until desired level of smoothness is achieved. **WARNING:** An unsatisfactory installation will occur if drywall compound is not sufficiently sanded and the flange / plaster stop is at all receded into the ceiling plane.

Once cured, the ceiling may be painted. After paint is dry, remove plaster plug. Check for any drywall compound or paint that may have seeped beneath plug and carefully scrape if necessary. **Important:** Any foreign material left in or on recessed appliqué surface may prevent proper baffle installation and satisfactory trimless appearance.

Raise baffle with attached lens / film into trim aperture, and push up until baffle locks into place *(Fig.25).*

**F. ADJUSTABLE FIXTURES**

1. ADJUSTABLE TRIMS

Hot-aimable tilt and rotation adjustment is accessed by removing fixture’s baffle, revealing adjustment mechanisms *(Fig.32).*

With baffle removed, snip zip tie that secures whip from LED engine to heat sink before making adjustments. Adjustments to fixture tilt and rotation are most effective when made after installing fixture into ceiling.

**Tilt:** Pull on spring pin towards center of housing aperture and rotate down to lock pin in tilting position. Use heat sink handle to adjust angle. Rotate pin up and release spring pin to reengage locking mechanism *(Fig.33).*

**Rotation:** Locate thumb screw and loosen by turning counter-clockwise. Use heat sink handle to rotate assembly. Turn thumb screw clockwise to secure *(Fig.33).* **DO NOT OVER-TIGHTEN.**

**Note:** Fixture may need to be in a tilted position to allow full 365° rotation.

Complete installation by replacing baffle into fixture aperture.
G. SERVICING FIXTURE

**Important:** Before servicing or maintaining fixture, disconnect electrical power at main switch or circuit breaker. Additionally, review notes in Sections A and B and refer to figures in main installation instructions when necessary.

1. EXCHANGING OPTIC / EFFECTS DEVICES
   A. To begin installing, changing, or rearranging optic or effects devices, remove baffle by pulling down from mounting plane.
   B. To change optic, carefully grab and twist counter-clockwise to remove and clockwise to secure. Ensure that both feet of optic properly engage LED base.
   C. To change lens / film, remove lens retainer by loosening and removing screws. Insert preferred lens / film with textured side up if applicable, securing with lens retainer and replacing and tightening screws.
   D. Reinsert baffle to locked position by pushing up into trim aperture.

2. REPLACING LED ASSEMBLY
   A. Remove LED module from housing using following techniques:
      • Grasp baffle using soft gloves or with clean soft cloth and remove by pulling down from mounting plane.
      • Remove optic from LED assembly by twisting counter-clockwise.
      • Using standard Phillips-head screwdriver, remove 2 screws from LED assembly to detach from mounting surface. Example show in fig.7 on page 3.
   B. Release LED assembly from wiring harness, separating male / female connectors by pulling apart. For remodel trims equipped with flexible conduit, locking latch on conduit quick-connector will first need to be dislodged.
   C. Replace with new OEM LED assembly sourced through Lucifer Lighting, reversing order of preceding steps.
   D. Reattach optic by twisting clockwise into LED assembly and reinsert baffle.

3. DRIVER REPLACEMENT
   To remove driver from housing, remove baffle by pulling down from mounting plane. Pull sleeved wires to release driver from Velcro, and uncouple 6- or 9-pin quick-connector. Note: Wallwash housings may require removal of LED assembly before removing driver. See “Replacing LED assembly” above. Adjustable housings requires fixture to be tilted and aimed towards power supply.
   Replace with OEM driver sourced through Lucifer Lighting, and see Section D-1 or reverse preceding steps to reinstall driver into housing.

4. FIELD PAINTING OF TRIM
   Though we strongly recommend custom paint be applied by factory during manufacturing, trim and baffle may be field painted without impacting factory mechanical warranty using following guidelines:
   • Recommend specifying RMP-F4R (round) or RMP-F4S (square) aperture plug.
   • Select paint suitable for application and location of trim, recognizing that Lucifer Lighting Company fixtures are tested not to exceed temperatures of 90° Celsius. Typical operating temperature of faceplate is 46° Celsius nominal.
   • Trim plate surface must be properly prepped in accordance with paint manufacturer’s instructions. Paint supplied and furnished by customer.
   • Apply paint to trim flange and interior of baffle only. Minimal tolerance exists between baffle and flange. Excess paint buildup may interfere with baffle installation.
H. DRIVER WIRING DETAIL

WIRING DIAGRAM FOR LINE DIMMING

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<tbody>
<tr>
<td>“TR2” Forward &amp; Reverse Phase Driver</td>
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<td>“L23” Lutron Hi-Lume A Series Forward Phase Driver</td>
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WIRING DIAGRAM FOR ECOSYSTEM AND DIGITAL CONTROL

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WIRING DIAGRAM FOR ANALOG CONTROL

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<td>“EA2” eldo SOLOdrive 0-10 Volt Driver</td>
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<tr>
<td>“LA2” eldo SOLOdrive 0-10 Volt Driver</td>
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</table>

NOTE: Control must switch primary for full off.
WIRING DIAGRAM FOR TUNABLE WHITE ANALOG CONTROL

Hot / Black
Neutral / White
Ground / Green
CCT [-] / Blue
CCT [+] / Orange
Intensity [+] / Purple
Intensity [-] / Grey

To 0-10V Dimmer

Lucifer Lighting
Power Supply

"DG1" eldo DUALdrive
0-10 Volt Driver

"DL1" eldo DUALdrive
0-10 Volt Driver

Wiring Supplied by Others

Red [+]  
Black [-]  
Blue [+]  
Grey [-]  

WIRING DIAGRAM FOR TUNABLE WHITE DALI CONTROL

Hot / Black
Neutral / White
Ground / Green
DALI [+] / Purple
DALI [-] / Grey

To DALI Digital Bus

Lucifer Lighting
Power Supply

"DD1" eldo DUALdrive
DALI Driver

Red [+]  
Black [-]  
Blue [+]  
Grey [-]

Wiring Supplied by Others

DALI (+) / Purple
DALI (-) / Grey

Intensity (+) / Purple
Intensity (-) / Grey
LUCIFER LIGHTING COMPANY (Seller) warrants that for a period of one (1) year from date of sale to the first non-retail purchaser, Seller will repair or replace, at the Seller’s sole option, free of charge, any defective products purchased from Seller provided that prior authorization is obtained from the Seller and the products are sent prepaid to the Seller’s manufacturing facility. Lamps are not warranted or guaranteed in any manner for any length of time, except LED lamp modules and power supplies used in Seller’s recessed, surface mount and exterior lighting fixtures, are warranted to operate with 70% lumen maintenance from the date of sale by Seller for five (5) years. LED MR-16 style lamps supplied by Seller are only warranted as provided by their original maker. Please refer to the following limiting conditions.

1. The Citizen, Bridgelux, Xicato, Sharp and Lumenetix LED lamp modules provided by Seller are only suitable for use in ceiling or plenum conditions where the maximum operating temperature of the module does not exceed 90°C (194°F) and/or the ambient temperature does not exceed 40°C (104°F) or lower threshold as featured on Seller’s product specification literature.
2. These terms only cover the power supply (if purchased from Seller) and Citizen, Bridgelux, Xicato, Sharp, and Lumenetix LED modules.
3. If installed outdoors, the power supply must always be shielded from direct sunlight. The power supply cannot be installed in areas where liquids may pool.
4. The end user must ensure that the AC input voltage has measures in place to prevent lightning strike surges and that large load shift surges are reduced or eliminated prior to the input of the power supply. Power supplies returned with this type of damage are not covered under Seller’s Limited Warranty.
5. Seller reserves the right to physically evaluate the LED module and driver supplied by Seller for compliance with these conditions. An end user’s refusal to return such fixture articles shall void Seller’s Limited Warranty.
6. The LED module will be considered in working condition and therefore not warrantable if it meets or exceeds 70% of its original flux and remains within a range of 3 duv.
7. The color temperature of the Citizen, Bridgelux, Xicato, Sharp and Lumenetix LED module is guaranteed to remain within a range of 3 duv for a period of five (5) years from date of sale by Seller.
8. Any tampering or disassembly of the LED module or LED heat-sink assembly without Seller’s prior written consent will immediately void the warranty.

Where Seller’s fixtures are used in conjunction with drivers/power supplies sourced by others and/or where POE (power over ethernet) systems are present, Seller’s warranty will only apply to the Seller supplied lighting fixtures. In all instances where drivers/power supplies and/or POE are by others, the responsibility to confirm the selected power supply(s) conforms to operating parameters of Seller’s fixtures shall be the responsibility of others. Approved parameters (involving voltage, current, and power quality for the selected fixtures and outputs) will be provided by Seller upon request, however the parameters should not be considered exhaustive for the purpose of the warranty and represents a good faith effort by Seller to support its customers. All warranty claims are subject to Seller’s review and if Seller determines the root cause of the issue involves supplied power supply(s) by others, Seller’s warranty shall not be applicable. Further, in such events of supplied power supply(s) by others, Seller makes no guarantee as to fixture operating performance (startup time, flicker, shimer, pop-on/pop-off, dimming, etc.). In no event shall Seller’s obligations under this warranty extend beyond the initial cost of the products and, accordingly, consequential damages arising out of any claimed product defect are expressly excluded. This Warranty does not cover the costs, if any, in re-installation of products serviced under this Warranty. This Warranty does not cover damage or failure caused by acts of God, abuse, misuse, abnormal usage, or use in violation of any applicable standard, code or instructions for use in installations including those contained in the latest National Electrical Code (NEC), the standards for safety of Underwriters Laboratory, Inc. (UL), standards for the American National Standards Institute (ANSI) or, in Canada, the Canadian Standards Association (CSA), or, in the European Union, the Conformité Européenne (CE Marking), faulty installation, or any repairs or modifications other than those made by the Seller. This Warranty does not cover damage or failure caused by abnormal spikes in power, dirty power, and light fixtures used with power supplies or other products not supplied by Seller, nor shall it apply to defects for which written notice thereof is not received by Seller.

In the event that any of the terms of this Warranty are in conflict with any rule of law or statutory provision or otherwise unenforceable under the laws or regulations of any government or subdivision thereof, such terms shall be deemed stricken from this Warranty, but such invalidity or unenforceability shall not invalidate any of the other terms of this Warranty and this Warranty shall continue in force.

EXCEPT AS TO SELLER’S WARRANTY OF REPAIR OR REPLACEMENT SET FORTH ABOVE, THERE ARE NO UNDERSTANDINGS, AGREEMENTS, REPRESENTATIONS, OR WARRANTIES, EXPRESS OR IMPLIED INCLUDING ANY REGARDING THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT, AND ANY WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, RESPECTING LUCIFER LIGHTING COMPANY PRODUCTS. THIS WARRANTY IS THE PURCHASER’S SOLE AND EXCLUSIVE REMEDY AGAINST THE SELLER FOR THE REPAIR OR REPLACEMENT AT SELLER’S OPTION OF DEFECTIVE LUCIFER LIGHTING PRODUCTS. UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THE PRODUCTS SOLD HEREUNDER.

For service under this warranty, please provide the original date of sale and nature of difficulty being experienced. All service matters should be directed to:

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