



# CRUSX / CRUSXS STANDARD INSTALL

## Installation and Assembly Instructions



### WARNING

#### Risk of fire, electric shock, injury, or property damage

Risk of electric shock - Disconnect power to equipment before installing or servicing.

This equipment must be installed according to all applicable codes & ordinances. Installation and service of this equipment must be performed by qualified service personnel. Do not install damaged equipment.

Read these instructions before installing, servicing, or maintaining this equipment.

Save these instructions for maintaining and servicing.

### CAUTION

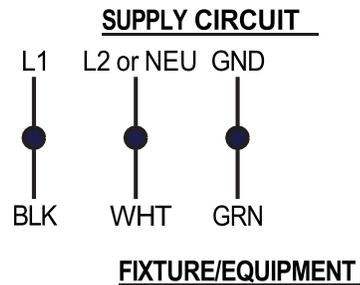
Failure to follow instructions or altering equipment could result in damage and void warranty.

Edges may cut - wear gloves while handling or servicing this equipment.

Inspect equipment for damage from shipping and handling.

### WIRING INFORMATION

#### FIELD WIRING CONNECTIONS



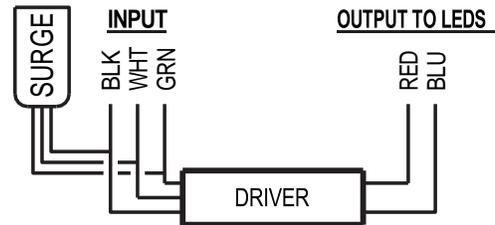
#### Integral Bluetooth Mesh Motion and Daylight Sensor Option

The CRUSX fixture has available an optional, integrated sensor capable of wireless Bluetooth Mesh Lighting Control communication allowing for optimized energy savings, code compliancy and enhanced safety & security for Canopy light fixture applications. The AirLink Blue system allows for the grouping of multiple fixtures and sensors as well as scheduling time-based events by zone. The AirLink Blue Sensor is factory installed into the fixture and can be programmed at the factory or post installation in the field. To determine if your fixtures have the integrated AirLink Blue Sensor, please review model # and look for "ALBMR1" in the nomenclature. If "ALBMR1" appears in the nomenclature, then your fixtures have the integrated sensor installed. Scan the QR code below to download the App for programming the fixtures.

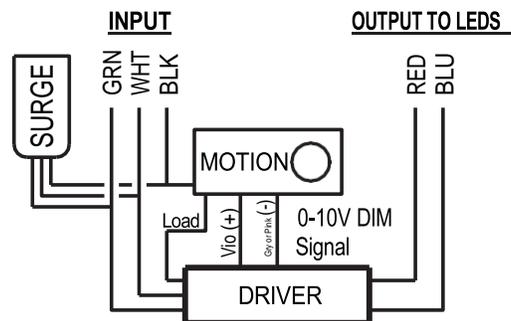


AirLink Blue App

#### STANDARD FIXTURE/EQUIPMENT SCHEMATIC



#### FIXTURE/EQUIPMENT w/MOTION OPTION





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**WARNING!** Disregarding this information could result in electrical shock and/or possible injury to individual installing or servicing this luminaire. Before Installation, read as follows:

**Delivery:**

Upon receipt of Luminaire, REDiMount and Locking Collar (packed individually), inspect thoroughly for any damage or missing parts. Make sure that the catalogue nomenclature on packing slip matches the product label.

**WARNING!** Do not install damaged product. Any damaged or broken component during or after assembly should be replaced.

- Place locking collar aside for later assembly.

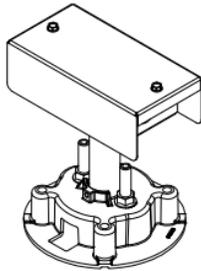
### Tools Required:

- 5/16" socket
- Drive extension (recommended)

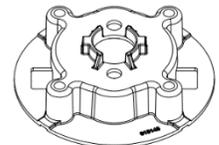
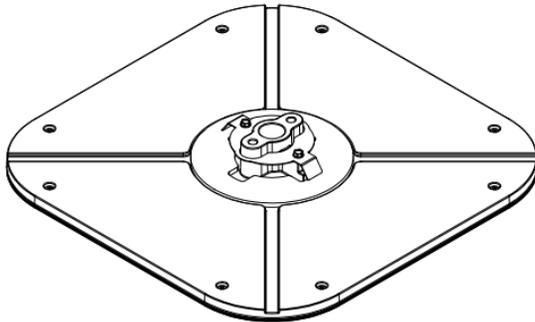
### STEP 1: UNPACK LUMINAIRE

- Remove luminaire from carton and make sure to review luminaire labels and electrical data.
- Make sure the input voltage rating matches the available supply voltage.
- Make sure supply power is turned OFF prior to Installation. Installing with live supply voltage can damage electronics and void fixture warranty.

Standard Install



Luminaire



Locking Collar



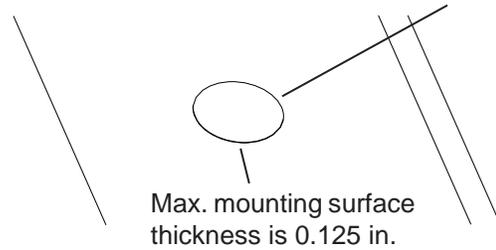


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## Installation and Assembly Instructions

### STEP 2: PREPARATION BELOW CANOPY

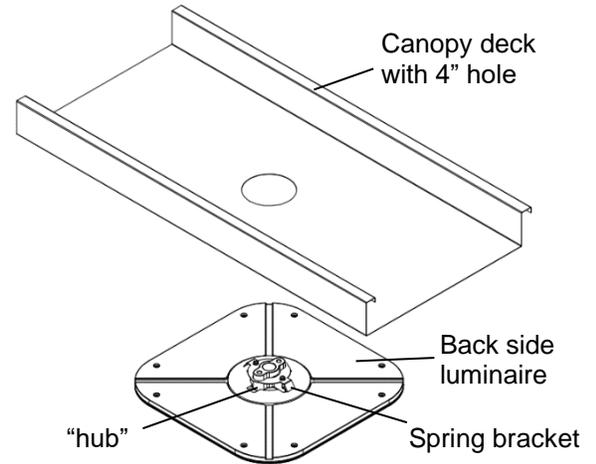
- Create 4in. access hole with appropriate hole saw in canopy deck. Make sure hole edges are free of burrs.
- Maximum allowable mounting surface thickness is 0.125 inch.
- **WARNING!** Do not cut rectangular/square access openings. REDiMount will not install into square or rectangular opening.



### STEP 3: INSTALL LUMINAIRE INTO CANOPY

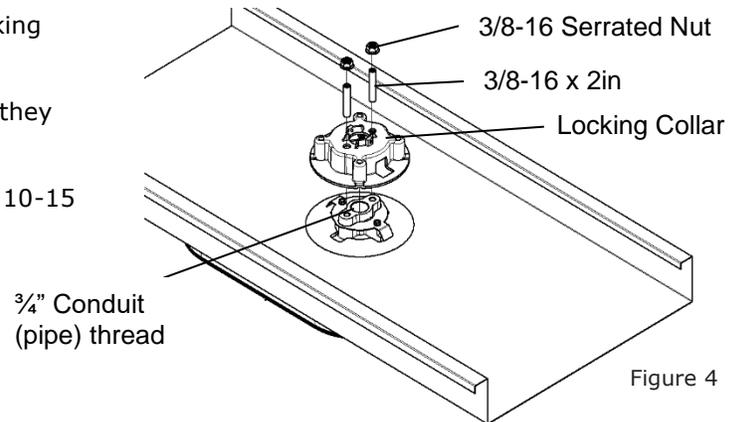
- Hold the back side of luminaire assembly up to canopy deck. Feed wire through 4" hole. Push luminaire assembly "hub" through 4" hole such that spring bracket compresses, then snaps back on the other side to support luminaire.
- Ensure all fastener penetrations above canopy deck are sealed with suitable sealant/caulking (provided by others). LSI recommends the use of Manus Bond 75-AM, Henry 212, or OSI Quad adhesive/sealant.

\*Suitability, strength, and installation workmanship of fasteners for any canopy/surface is the ultimate responsibility of the installing contractor. Other suitable fasteners may be required-provided by others.



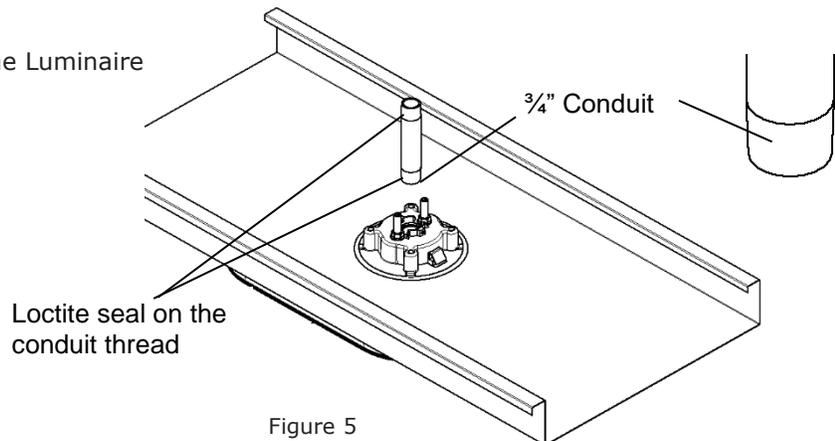
### STEP 4: INSTALL LOCKING COLLAR INTO LUMINAIRE

- On the back of canopy deck on the luminaire fasten the Locking Collar to luminaire using (2) fasteners provided. Fig 4
- Use 3/16in Hex key to thread the two 3/8-16 x 2in set until they bottom in the luminaire assembly.
- Install two 3/8in serrated nuts on the threads and torque to 10-15 ft-lbs. or hand tighten plus two full turns.



### STEP 5: INSTALL CONDUIT INTO LUMINAIRE

- Feed wires through Conduit
- Insert conduit through locking collar and thread into the Luminaire Tighten the conduit. Fig 5



### INSTALLATION QUESTIONS

Call LSI Field Service Dept.  
800-436-7800 ext. 3300





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### STEP 6: INSTALLATION OF JUNCTION BOX

- Assemble the (1x) locking nut to the conduit pipe as shown in Fig 6a. Tighten the locking nut.
- Place the wet location Junction box bottom bracket (which includes surge and ground wire) on to the locking nut and conduit pipe as shown in Fig 6a.
- Assemble the (2x) locking nut on the conduit pipe to secure the Junction box bottom bracket. Tighten the locking nut. Fig 6a
- Connect the wires in parallel from conduit pipe and surge including ground wire.
- Secure the connected wires inside the Junction box.
- Secure the junction box top bracket on to the Junction box bottom bracket using (2) #10 hex-head screws. Fig 6b

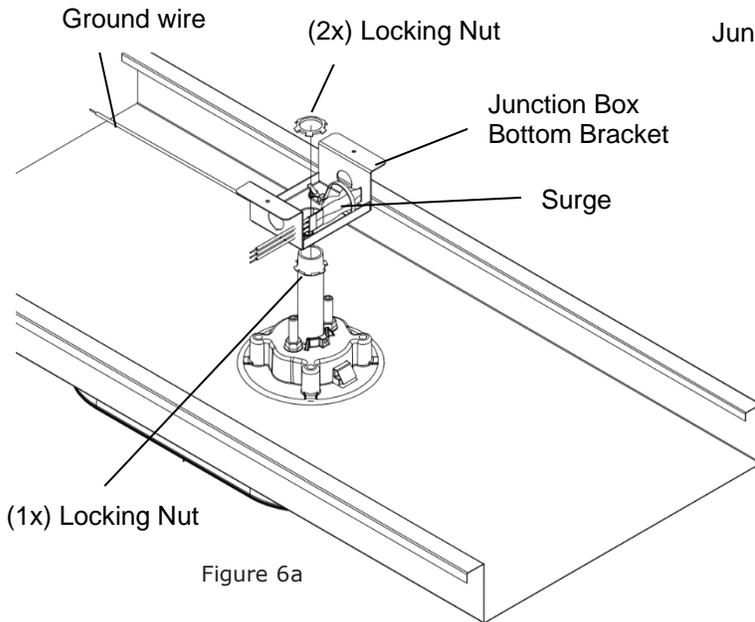


Figure 6a

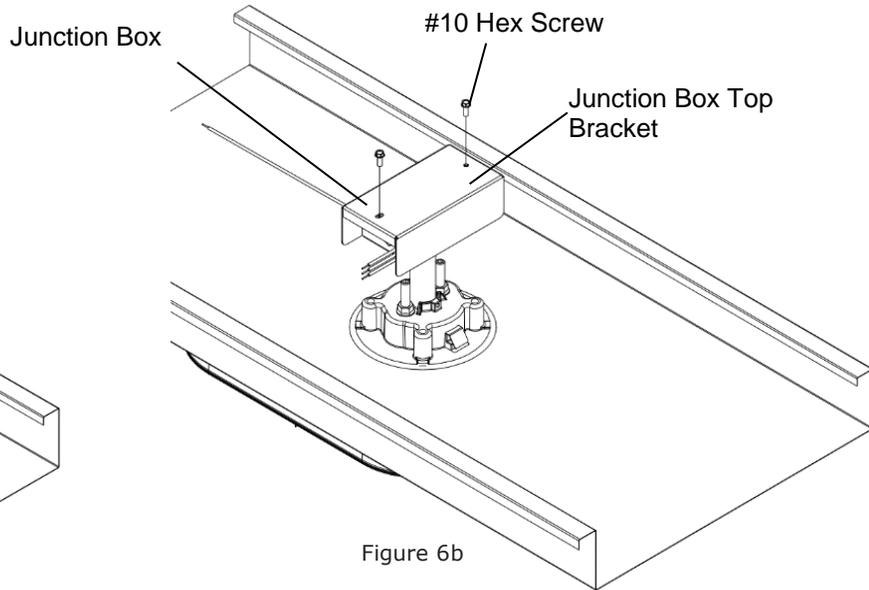


Figure 6b

### STEP 7: BRANCH CIRCUIT CONNECTION

- Use the integrated Junction Box for branch circuit connections.
- For access to branch terminations, remove (2) #10 hex-head fasteners (Fig. 7).
- Perform Electrical make-up per Local NEC Codes. Conduit connections shall be suitable for Wet Locations.
- Re-install Junction Box top cover with (2) #10 hex-head fasteners.

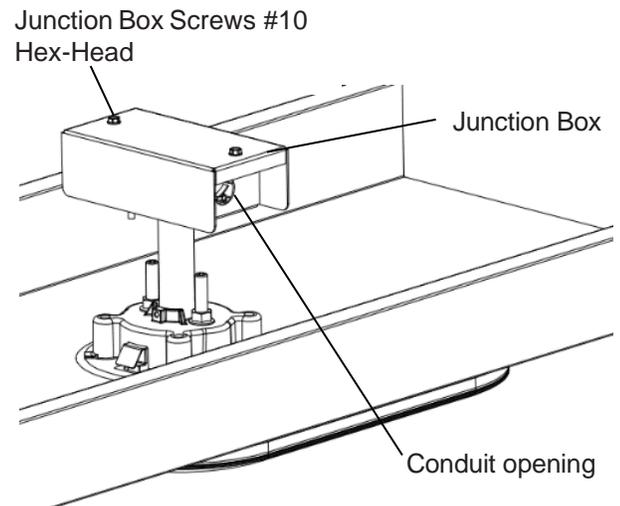


Figure 7

