

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

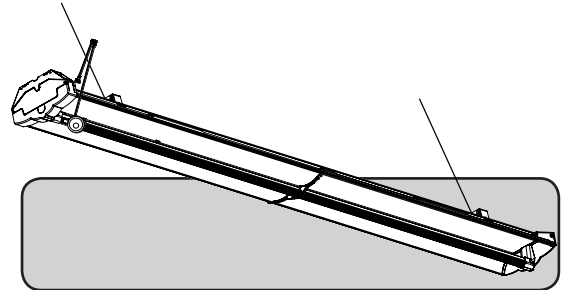
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- DANGER**- Risk of shock- Disconnect power before installation.
DANGER – Risque de choc – Couper l'alimentation avant l'installation.
- This luminaire must be installed in accordance with the NEC or your local electrical code. If you are not familiar with these codes and requirements, consult a qualified electrician.
Ce produit doit être installé conformément à NEC ou votre code électrique local. Si vous n'êtes pas familier avec ces codes et ces exigences, veuillez contacter un électricien qualifié.
- Check to make sure that all the fixture connections have been properly made and the fixture is grounded to avoid potential electrical shocks.
- Do not handle energized module with wet hands or when standing on wet or damp surfaces, or in water.
- Suitable for damp locations.
Convient aux emplacements humides.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

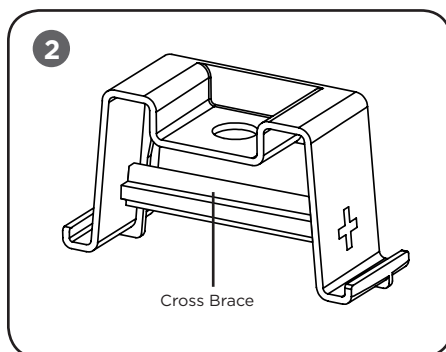
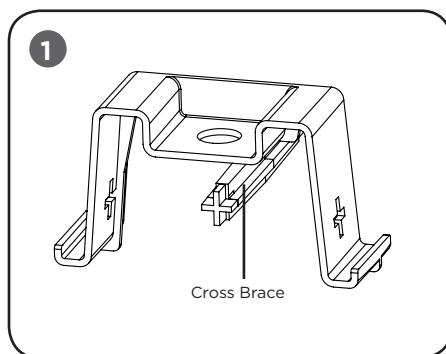
WARNING - Maximum connected load with a single power supply shall not exceed maximum ampacity rating of #12 AWG THHN through-wire conductors. Use only lighting controls with relay or FET-based outputs, or lighting controls with neutral connection. Reference www.cree.com/lighting for recommended dimming control options. Avoid handling LEDs directly. Not intended for use in environments containing airborne corrosive agents such as chemical solvents, cleaners, or cutting fluids

INSTALLATION INSTRUCTIONS INSTRUCTIONS D'INSTALLATION



- The CS Series LED linear luminaire is for suspended, with cable or threaded rod, or surface mount applications using appropriate tong hangers. Reference individual mounting accessory installation instructions for specific mounting types.
- Designed for use in 120–277V, 50-60 Hertz protected circuit (fuse box, circuit breaker) and supply wire shall be rated minimum 12AWG, 600V, 90 C rated).

TO INSTALL:



NOTE: When removing luminaire from packaging, keeping protective plastic wrap on fixture during installation and construction.

FOR PLASTIC TONG HANGERS (TM):

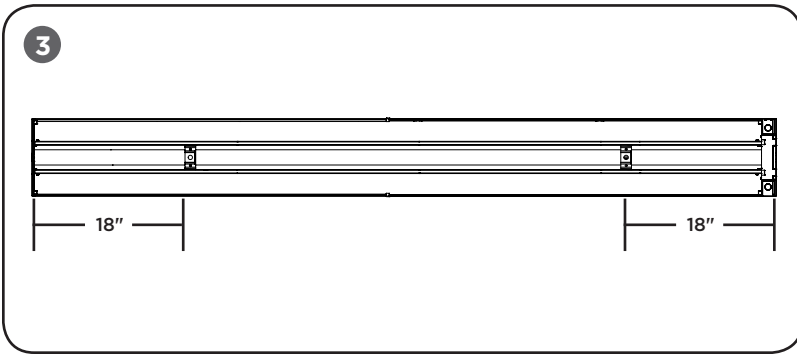
NOTE: Center hole can accommodate 1/2" diameter rod maximum.

STEP 1:

Remove cross brace and securely insert it into the "+" shaped openings in the plastic tong hanger. See **Figures 1 & 2**. For single units or end row fixtures, place the plastic tong hanger assembly into center spine no more than 18" from each end of fixture and twist approximately 45 degrees until the plastic tong hanger assembly is securely in place and approximately 90 degrees to the length of fixture. See **Figure 3**.

STEP 2:

For continuous row installation, continue with next fixture using a minimum of one tong hanger per unit. Each bracket should be properly snug and be difficult to slide along the back spine.



FOR OPTIONAL METAL TONG HANGERS (TMM):

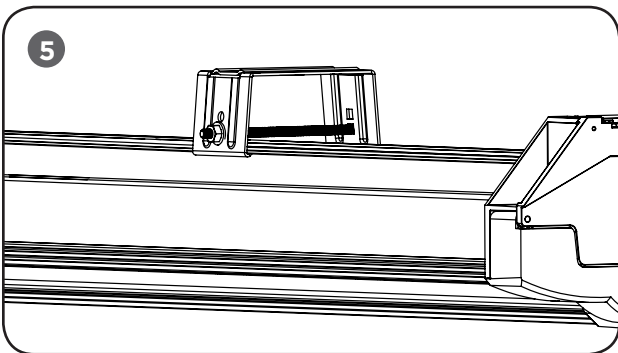
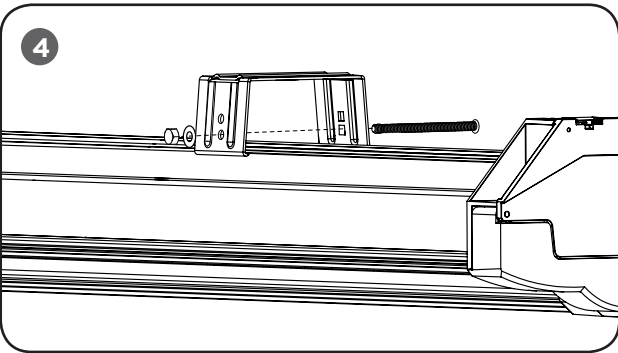
NOTE: Center hole can accommodate 3/8" diameter rod maximum. Recommended for surface mount installations.

STEP 1:

For single units or end row fixtures, place metal tongue hanger bracket over center spine no more than 18" from each end of fixture. See **Figure 3**. Insert supplied bolt through the metal tongue hanger and secure with lock washer and nut, tightening to secure spine to the metal tongue hanger. See **Figure 4 & 5**. Additional suspension points are optional depending on field conditions.

STEP 2:

For continuous row installation, continue with next fixture using a minimum of one tongue hanger per unit. Each bracket should be properly snug and be difficult to slide along the back spine.



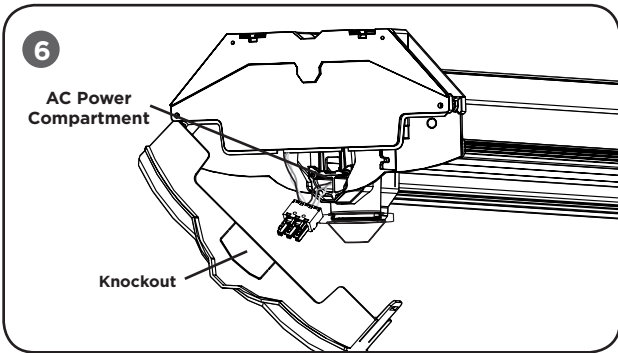
FOR SUSPENDED MOUNTING:

STEP 1:

For suspended individual mount luminaires, one Power Feed with Cable Support and one Cable Support is required.

STEP 2:

For continuous row installation, begin row (luminaire #1) with one Power Feed with Cable Support and one Cable Support. Each subsequent luminaire, one Cable Support is required; not to exceed 18" from end of luminaire. For environments that do not allow proper spacing of cable support, Unistrut may be required, supplied by others.



ELECTRICAL CONNECTIONS

STEP 1:

For powering the fixture(s), open wiring compartment swing door on end of the luminaire and extend wiring in preparation for connections. See **Figure 6**.

STEP 2:

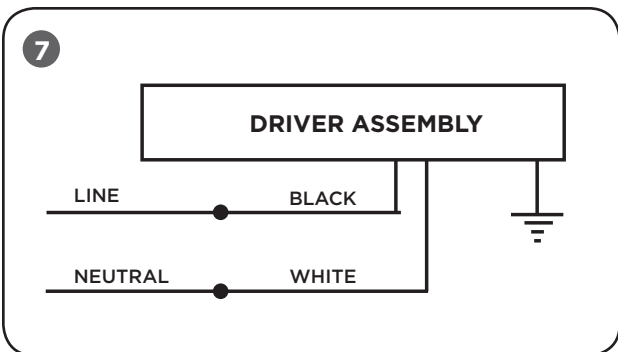
Bring AC feed into wiring compartment through conduit hole on left side. Remove black connector and terminate leads according to local codes.

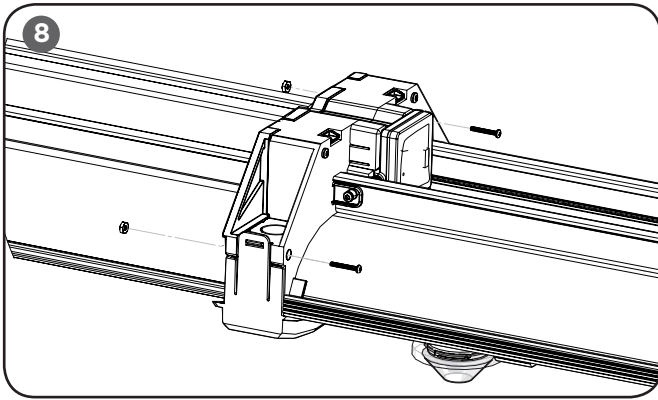
STEP 3:

Make electrical connections referring to **Figure 7**.

STEP 4:

Close swing door assuring no leads are pinched. See **Figure 6**.





ELECTRICAL CONNECTIONS FOR CONNECTING MULTIPLE LUMINAIRES TOGETHER:

STEP 1:

Attach two fixtures together with screws & nuts provided. See **Figure 8**.

STEP 2:

Remove endcap cover of first fixture to reveal through-wiring plug. Open swing door of connecting fixture and remove knockout and extend wiring in preparation for connections. See **Figure 9**.

STEP 3:

Carefully feed AC and dimming plugs into wiring compartment through knockout opening. Remove black connector and terminate leads according to local codes.

STEP 4:

Connect male and female AC connectors. See **Figure 10**.

STEP 5:

Tuck lead ferrite into far AC wiring compartment as shown in **Figure 10**.

STEP 6:

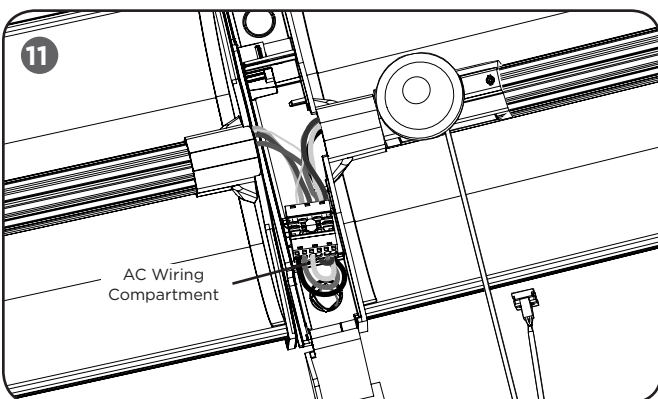
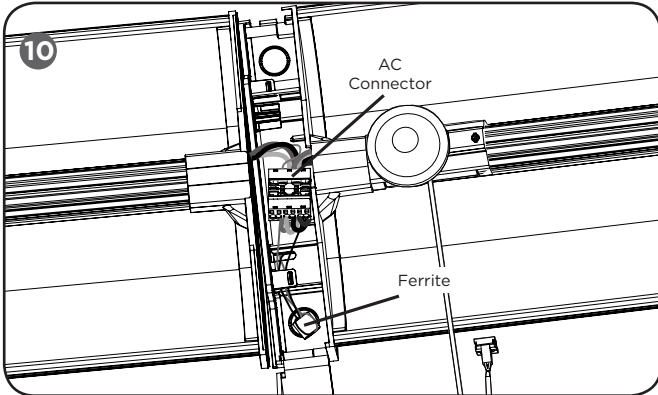
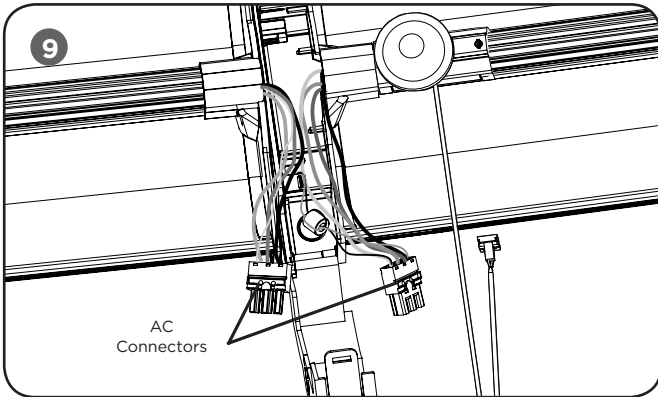
Place AC connector assembly flat into AC wiring compartment as shown in **Figure 11**.

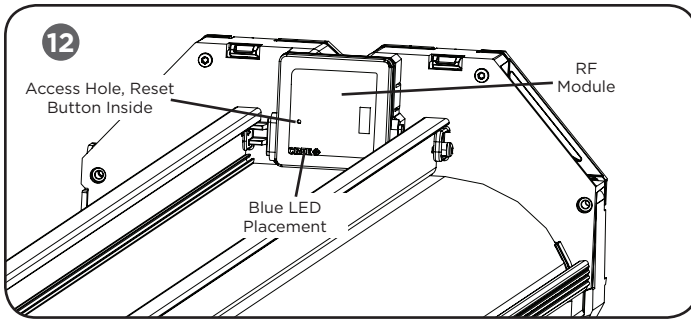
STEP 7:

Close swing door assuring no leads are pinched. Continue powering fixtures until entire row is complete.

STEP 8:

Remove protective plastic wrap and wire tie from center stiffener.





RESET RF MODULE

NOTE: The Blue LED is located behind the CREE logo on the RF Module. The CREE logo will illuminate blue when the Blue LED is active.

STEP 1:

Actuate RESET button through the access hole. Push and hold until LED on RF Module begins blinking rapidly (approximately 6-7 seconds). See **Figure 12**.

STEP 2:

Release for 1 sec.

STEP 3:

Press/Hold RESET button for 0.5 sec. Light will turn off for a few seconds then go to full bright and the Blue LED on the RF Module should begin a 2 blink sequence. See **Figure 12**.

LED LUMINAIRE MAINTENANCE

Cleaning Instructions:

Regular cleaning of the light LED fixture is required to keep the LED fixture operating at optimal performance. Prior to cleaning fixtures, turn power OFF to the fixture. Dust fixture regularly with a hand held vacuum with a clean, non-lead, soft bristle brush to remove any dust accumulation on the LED source on the LED and reflector surfaces. Cleaning intervals to be no more than twelve months for clean category environments and more frequently for dirtier conditions. Care should be taken as to not damage the LED stick and/or the interior reflective surface as these components are critical for optimal performance. DO NOT use any type of cleaners or stiff brushes on the LED fixture.

TROUBLESHOOTING:

Out of the box, if the light does not turn on when power is applied:

- Check Wiring with power off
- If wired correctly, check to see if Blue LED blinking on the RF Module.
- If Blue LED is blinking, then perform a RESET (See RESET RF MODULE section).
- If Blue LED is on solid or off, call Cree Customer Service.
- If you have done a RESET, and the light is still off, call Cree Customer Service.

If light is unresponsive, use Cree Configuration Tool to verify configuration.

FCC NOTICE

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 5cm between the radiator & your body.

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved could void your authority to use this equipment.

This device complies with Part 15 of the FCC Rules. Operation 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

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the device is operated in a commercial environment. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this device in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The LED in the front of this device operates within Risk Group 1 levels per IEC 62471.

INDUSTRY CANADA STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. In addition, this device complies with ICES-003 of the Industry Canada (IC) Regulations.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.