

## IMPORTANT SAFEGUARDS

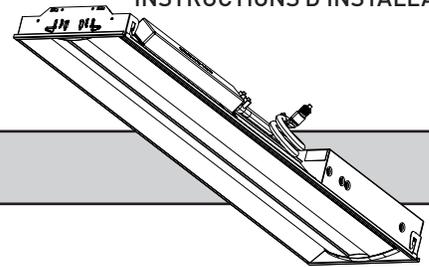
When using electrical equipment, basic safety precautions should always be followed including the following:

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

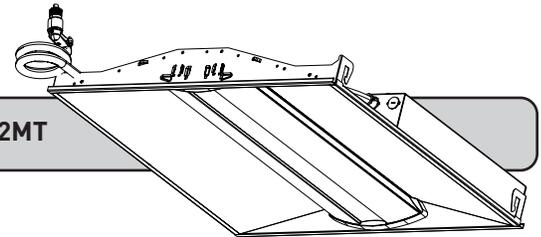
1. **DANGER**- Risk of shock- Disconnect power before installation.  
***DANGER - RISQUE DE CHOC - COUPER L'ALIMENTATION AVANT L'INSTALLATION***
2. **CAUTION** – Installation and servicing should be performed by qualified personnel only. De-energize before opening.  
***ATTENTION** – L'installation et l'entretien doivent être effectués par du personnel qualifié seulement. Mettre hors tension avant l'ouverture*
3. To reduce the risk of electric shock, disconnect both standard and emergency power supplies and converter connector of the emergency driver before servicing.  
*Pour réduire le risque de décharge électrique, vous devez déconnecter à la fois le disjoncteur divisionnaire ou les fusibles et les alimentations d'urgence avant l'entretien.*
4. Do not use outdoors.  
*Ne pas utiliser à l'extérieur.*
5. Do not let power supply cords touch hot surfaces.  
*Ne laissez pas les cordons d'alimentation toucher les surfaces chaudes.*
6. Do not mount near gas or electric heaters.  
*Ne montez PAS près des appareils de chauffage de gaz ou électriques.*
7. Do Not use this equipment for other than its intended use.  
*NE PAS utiliser cet équipement à d'autres fins que celle qui est prévue*
8. Equipment should be mounted in locations and heights where it will not readily be subjected to tampering by unauthorized personnel.  
*L'équipement doit être monté dans des endroits et à des hauteurs où il ne sera pas soumis à des altérations par des personnes non autorisées.*
9. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.  
*L'utilisation d'accessoires non recommandés par le fabricant peut causer une situation dangereuse.*
10. Suitable for suspended ceilings.
11. Max. mounting height: 15 ft.  
*Hauteur de montage max.: 15 pieds.*
12. Access above ceiling required. Do not install insulation within 3" (76mm) of any part of the luminaire.  
*Accès requis au-dessus du plafond. Ne pas mettre l'isolant à moins de 3 po (76 mm) de toute partie du luminaire*
13. Suitable for suspended ceilings.  
*Convient aux plafonds suspendus.*

### INSTALLATION INSTRUCTIONS INSTRUCTIONS D'INSTALLATION

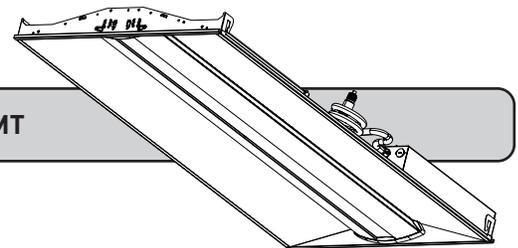
ZR14MT



ZR22MT



ZR24MT

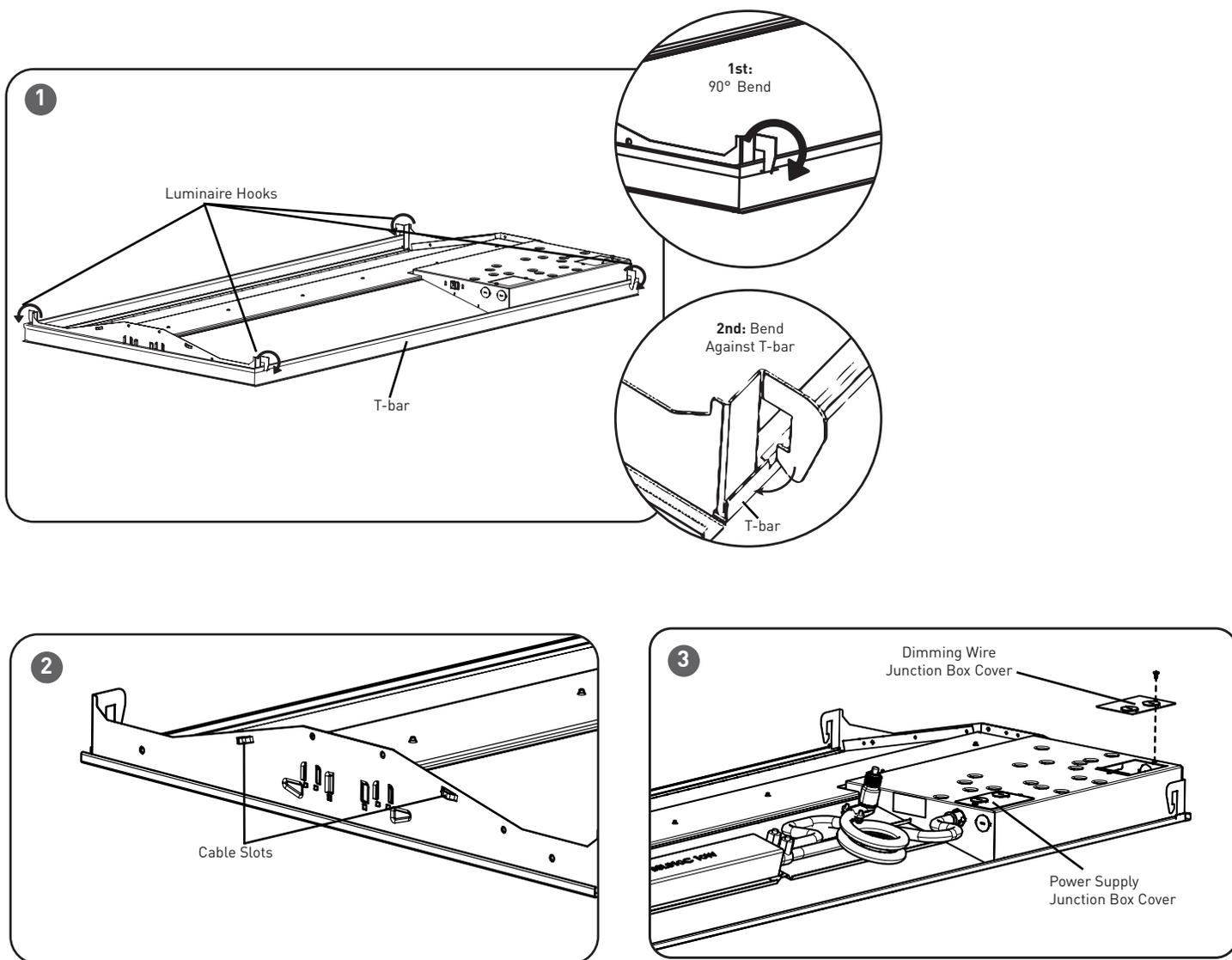


## SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

- The ZR-MT Series of specification troffers is for non-insulated ceiling applications using T-Bar ceiling grid, drywall grid adaptors, and suspended mount.
- Designed for use in 120-277V 50-60 Hz protected circuit (fuse box, circuit breaker). Supply wire sized as per NEC or governing code(s), 90C rated.
- Make sure to cap off all unused leads.



## TO INSTALL:



### T - BAR CEILING MOUNTING

#### STEP 1:

Bring the ZR-MT troffer up into the T-Bar grid.

#### STEP 2:

Locate the luminaire hooks and bend them out 90 degrees for installation. See **Figure 1**.

**NOTE:** The luminaire hooks ship bent in and need to be bent out for installation.

#### STEP 3:

Then bend the luminaire hooks against the T-Bar to secure the luminaire. See **Figure 1**.

### SUSPENDED MOUNTING

#### STEP 1:

Attach customer supplied cables to the [2] cable slots on each side of the housing. See **Figure 2**.

#### STEP 2:

Attach customer supplied cables to mounting surface using customer supplied hardware. Ensuring that mounting surface can support the luminaire.

### 0 - 10V DIMMING OPTION

#### STEP 1:

Remove the cover of the junction box and bring in appropriate power supply to the junction box using one of the knock-outs. See **Figure 3**.

#### STEP 2:

Remove the cover of the dimming junction box and bring dimming conduit into dimming wire compartment using the knock-out. See **Figure 3**.

#### STEP 3:

Wire luminaire per **"Electrical Connections"** section and push all leads into the junction box. Reattach junction box cover that was removed in Step 1, make sure no wires are pinched.

#### STEP 4:

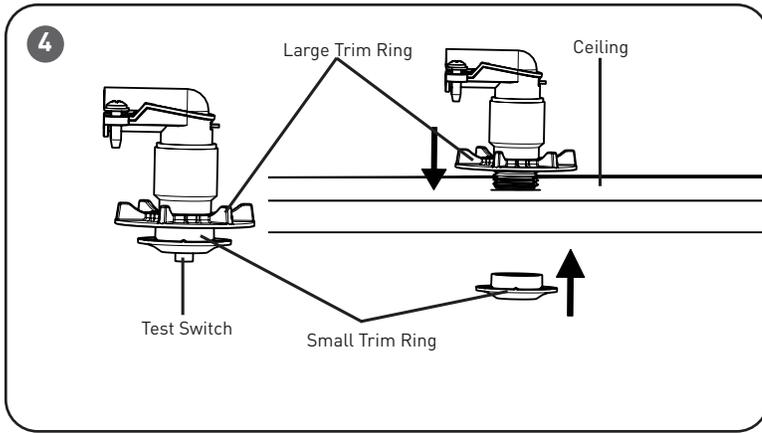
Install test switch assembly into ceiling by drilling a 1" hole into the ceiling.

#### STEP 5:

Unscrew the small trim ring and place test switch assembly through the ceiling. See **Figure 4**.

#### STEP 6:

Secure the test switch assembly by screwing the small trim ring removed in Step 5 back onto the test switch assembly. Tighten the larger trim ring above the ceiling until it is snugged tight against the ceiling. See **Figure 4 on the next page**.



## CLEANING LENS

### STEP 1:

Remove lens and endcap by pulling down gently on one end near endcap. See **Figure 5**.

### STEP 2:

Before installing lens, ensure that one endcap is already installed.

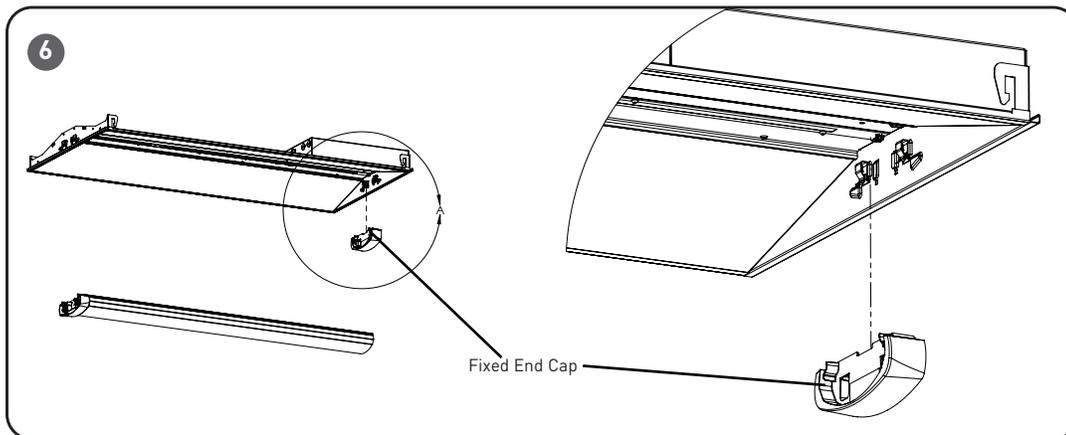
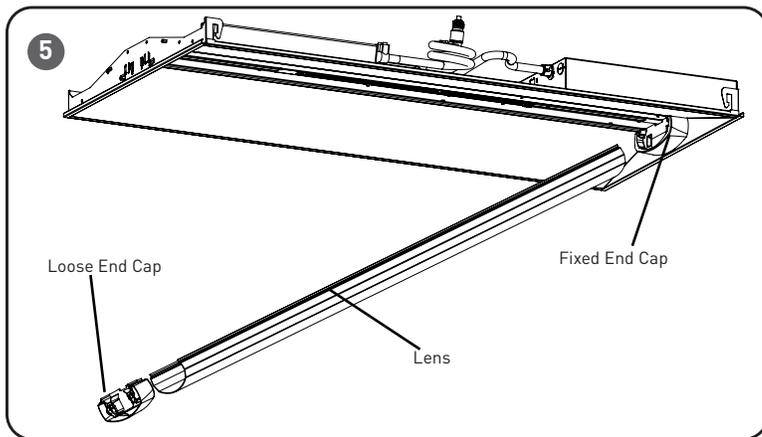
### STEP 3:

After cleaning is complete, place loose endcap back onto lens and angle lens into fixed endcap. After getting lens seated into fixed endcap, rotate upwards to engage loose endcap into position. See **Figure 5**. Lens may need to be squeezed together to help guide into pan.

### STEP 4:

Confirm there are no visible gaps along entire length of lens and around endcaps. If necessary, push endcaps against end panel or lens against luminaire to eliminate gaps

**NOTE:** If fixed endcap comes loose during removal, push upwards while using end panel as a stop to engage clips See **Figure 6**.



## EMERGENCY DRIVER CHECK

**NOTE:** For short-term testing of the emergency function, the battery must be charged for at least one hour. The emergency driver must be charged for at least 24 hours before conducting a long-term test.

### STEP 1:

When AC power is applied, the charging indicator light is illuminated, indicating the battery is being charged. When power fails, the emergency driver automatically switches to emergency power, operating the LED array. When AC power is restored, the emergency driver returns to the charging mode.

### STEP 2:

Although no routine maintenance is required to keep the emergency driver functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:

- Visually inspect the charging indicator light monthly. It should be illuminated.
- Test the emergency operation of the fixture at 30-day intervals for a minimum of 30 seconds. When the test switch is depressed, the LED array should operate.
- Conduct a 90-minute discharge test once a year. The LED array should operate for at least 90 minutes.

If the luminaire fails any of these checks, consult service personnel.

REFER ANY SERVICING INDICATED BY THESE CHECKS TO QUALIFIED PERSONNEL  
EMERGENCY DRIVER AND AC DRIVER MUST BE FED FROM THE SAME BRANCH CIRCUIT.

## FCC NOTICE

**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 is subject 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 equipment 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 equipment is operated in a commercial environment. This equipment 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 equipment 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.

CAN ICES-005 (A)/NMB-005 (A)

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.

## ELECTRICAL CONNECTIONS

**NOTE:** The emergency driver must be fed from the same branch as the AC Driver.

### STEP 1:

Using customer supplied 90°C minimum rated wire connectors, make the following electrical connections:

- Connect the black luminaire lead to the unswitched voltage supply lead.
- Connect the white/red luminaire lead to the switched supply switched.
- Connect white luminaire lead to the neutral supply lead.
- Connect ground bare or green/yellow wire lead to the supply ground lead.
- If 0/1-10V Dimming is used, connect the violet lead to the supply positive dimming lead. If dimming is not being used ensure to cap off the violet lead.
- If 0/1-10V Dimming is used, connect the gray lead to the supply negative dimming lead. If dimming is not being used ensure to cap off the gray lead.
- Secure incoming dimming leads to the existing strain relief, to prevent contact with primary wiring.

### STEP 2:

Locate the two red leads in the junction box and connect them using customer supplied connector.

