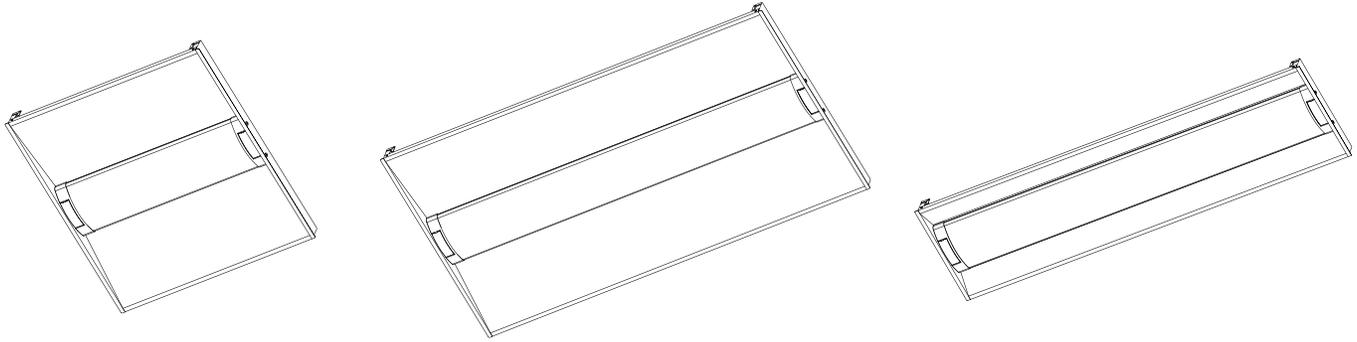


INSTRUCTIONS

CBT-14-LS-CS-UNV/CBT-22-LS-CS-UNV/CBT-24-LS-CS-UNV INSTALLATION



IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

The fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

RECESSED CEILING MOUNTING

The fixture is suitable only for indoor recessed ceiling application. Above ceiling access required.

To mount in an insulated or non-insulated ceiling - 9/16" or 15/16" exposed flat tee grid ceiling follow the steps below.

1. Firmly bend the pre-installed **Grid Clips** (out as shown in Fig. 1).
2. Rotate and slide the **Fixture** as required to fit through the **Tee-Grid Bar** and place it as indicated by the directional arrow as shown in Fig. 2. Secure the **Fixture** to the **Tee-Grid Bar**.
3. Support wires are required by installation Codes. Support the **Fixture** to the building structure by **Support Wires** (supplied by others) through the **Grid Clip Hole** as shown in Fig. 2.
4. Make sure that the orientation of the **Splice Box** and **Access Plate** faces an accessible tile to make electrical splices.
5. Loosen **Access Plate Screw** and remove the **Access Plate**. Knock out appropriate **Conduit Knockouts** on the **Access Plate** to route input conduit. Use appropriate conduit connectors as required by code (Fig. 3).
6. Connect wires as shown in wiring diagram (Fig. 5). Push all wires back into the **Splice Box**. Use appropriate UL approved wire connectors as required by code to complete wiring. Be careful not to pinch wires. **WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**
7. Replace **Access Plate** and tighten **Access Plate Screw**.

Fig: 1

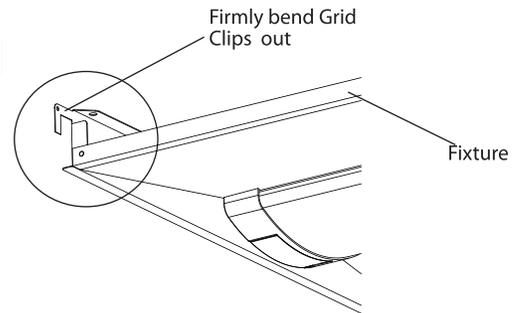


Fig: 2

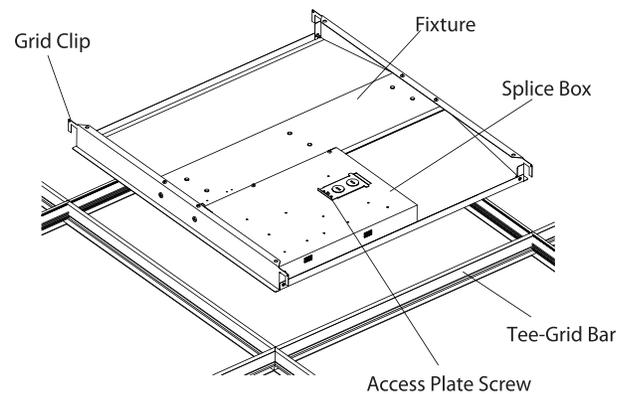
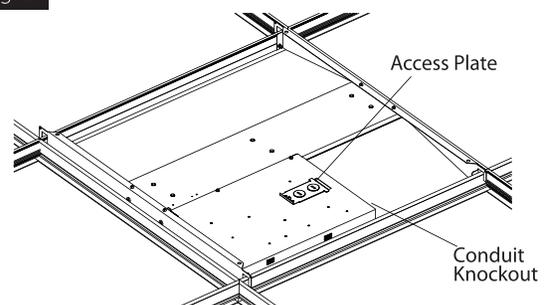


Fig: 3



INSTRUCTIONS



CBT-14-LS-CS-UNV/CBT-22-LS-CS-UNV/CBT-24-LS-CS-UNV INSTALLATION

FIELD ADJUSTMENT

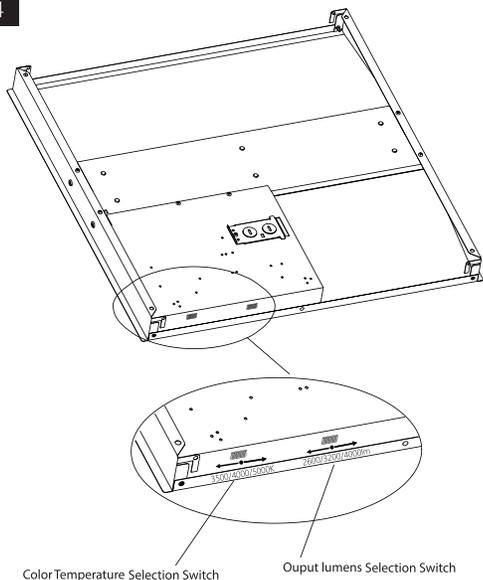
Follow instructions below to change the **Output lumens (lm)** and/or **Color Temperature (CCT)** from factory settings:

Factory Settings:

CBT-14-LS-CS-UNV	4000/3200/2600LM	4000LM/4000K
CBT-22-LS-CS-UNV	4000/3200/2600LM	4000LM/4000K
CBT-24-LS-CS-UNV	5000/4500/4000LM	5000LM/4000K

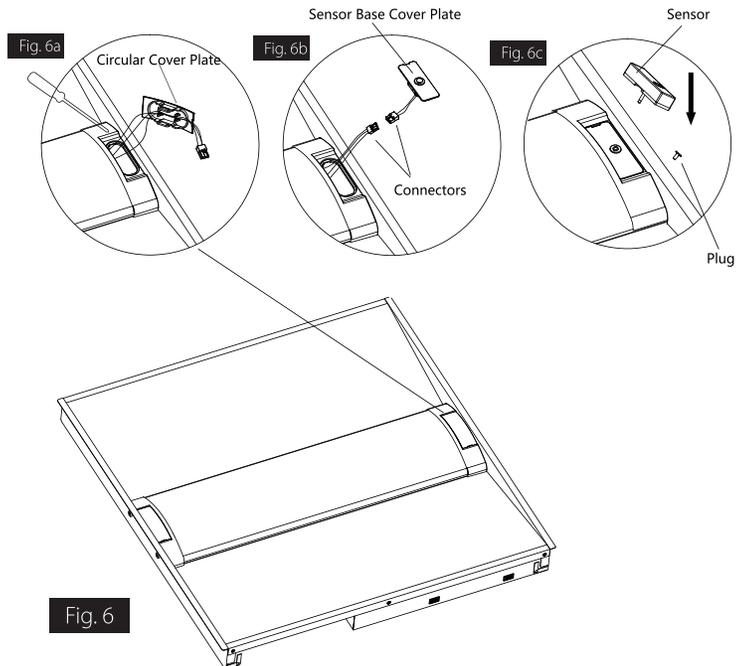
1. Locate the **Field Adjustable Switches** located on the back of the of **Fixture Housing** as shown in Fig. 4.
2. Select **Output lumens (lm) and/or Color Temperature (CCT)** by sliding respective switch to the desired value.

Fig: 4



SENSOR OPTIONAL

1. Lift the **Circular Cover Plate** up from the gap at one end with a suitable tool, and remove the wire from the clamp as shown in Fig. 6a.
2. Install the **Sensor Base Cover Plate** through connector.(Fig.6b)
3. Remove the **Plug** from the sensor base and insert the sensor, confirm it is securely secured.(Fig.6c)

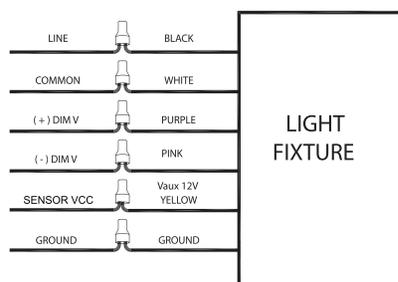


0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. For 0-10V Dimming, follow the wiring directions in Fig. 5.

1. Connect the black fixture lead to the LINE supply lead.
2. Connect the white fixture lead to the COMMON supply lead.
3. Connect the GROUND wire from fixture to supply ground.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the pink fixture lead to the (V-) DIM lead.
6. Cap the yellow fixture lead, if present. (use with sensor)

Fig. 5



SAFETY INSTRUCTIONS

WARNING: Risk of fire or electric shock. Suitable for Damp locations.

WARNING: Suitable for 9/16" or 15/16" Flat Tee Grid in both Insulated Ceilings and Non-Insulated Ceilings. Access above ceiling required.

WARNING: Do not handle energized fixture when hands are wet, when standing on wet or damp surfaces, or in water.

WARNING: Vapor barrier must be suitable for 90° C.

WARNING: Fixture to be independently supported to building structure.

CLEANING

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean polystyrene lens & fixture with non-abrasive cleaning solution.
2. Do not open fixture to clean the LEDs. Do not touch the LEDs.

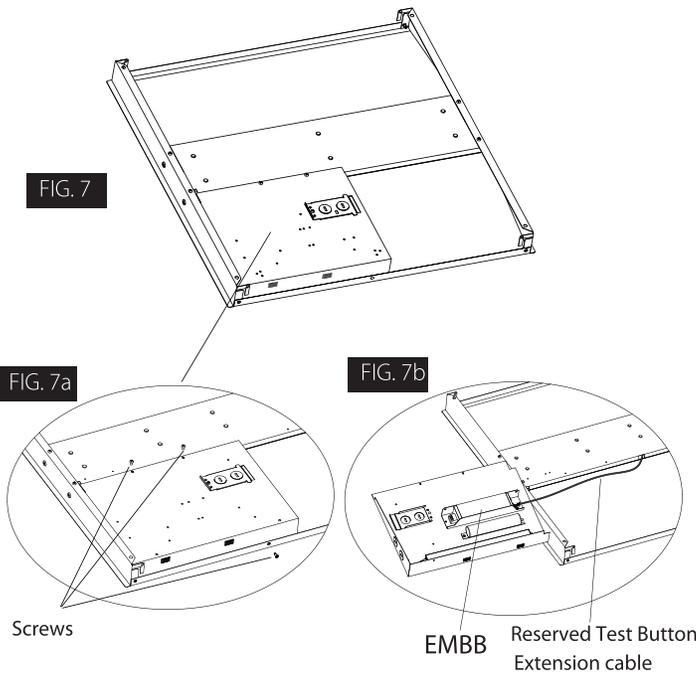
Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

CBT-14-LS-CS-UNV/CBT-22-LS-CS-UNV/CBT-24-LS-CS-UNV INSTALLATION

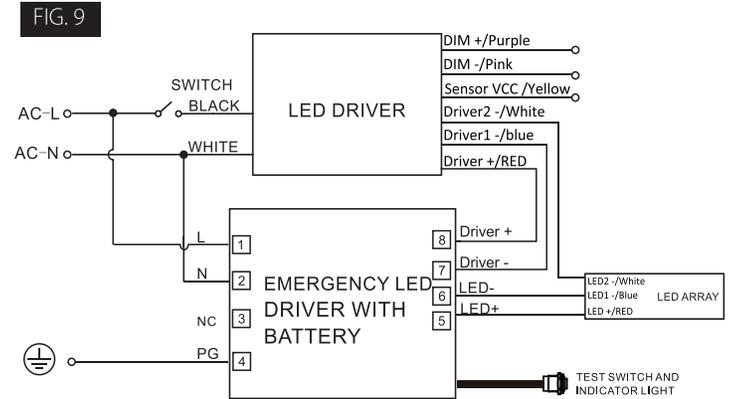
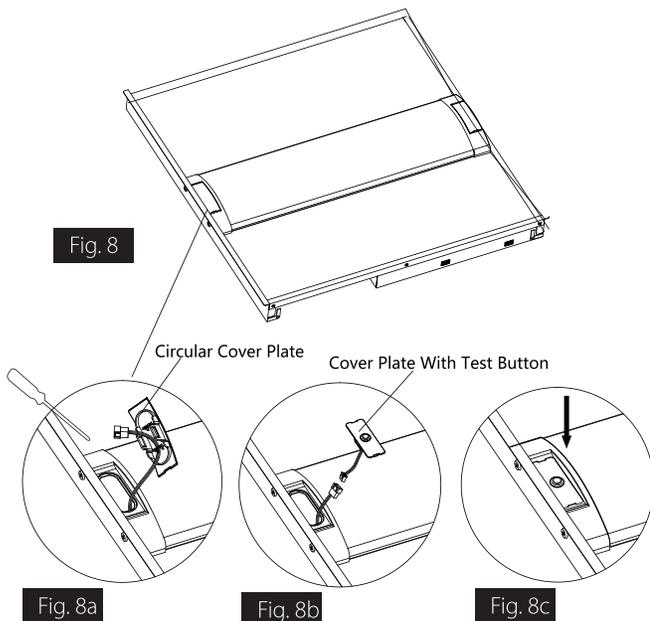
EMERGENCY BATTERY MODELS

WIRING WITH EMBB DRIVER

1. Loosen the three **Screws** on the driver box.(Fig.7a)
2. Install emergency battery in the drive box through the reserved holes.(Fig.7b)
3. Make electrical connections (Fig.9),Connect the reserved test button extension cable to the EMBB.
4. Secure the driver box back.



5. Lift the **Circular Cover Plate** up from the gap at one end with a suitable tool,and remove the wire from the clamp.(Fig.8a)
6. Install the test button through connector(Fig.8b)
7. Press the cover plate into the slot.(Fig.8c)



WIRING

NOTE: Make sure that the necessary branch circuit wiring is available. An **UNSWITCHED** AC source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver.

1. Connect **UNSWITCHED HOT** fixture lead to **HOT AC** supply line.
2. If using an **UNSWITCHED** circuit, connect **UNSWITCHED** and **SWITCHED** lines together.
3. If using a **SWITCHED** circuit, connect **SWITCHED HOT** AC fixture lead to the external.
4. For 0-10V dimming connect **DIM (+)** purple and **DIM (-)** pink leads to dimming circuit.
5. Cap the yellow fixture lead, if present. (use with sensor)
6. After installation is complete supply AC power to the fixture and connect the **BATTERY**.
7. When power is on the fixture should be on and the Charging Indicator Light should illuminate to indicate the battery is charging.
8. Once the **BATTERY** has charged for at least one hour a short duration test may be performed by pressing the test button.
9. After the battery has charged for 24 hours a long duration test.

