# INSTRUCTIONS
## FIELD-ADJUSTABLE C-WRAP™ INSTALLATION

RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com



CW2



CW4

## IMPORTANT

**READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**
RAB 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.**
**Suitable for damp locations**

## CEILING/SURFACE MOUNT

The fixture is suitable for indoor applications.

1. Carefully open the fixture by pressing the **Release Tabs** as shown in *(Fig. 1)*. **Tether Cable** *(Fig. 2)* will keep the **LED/LENS Tray Assembly** from separating from the **Housing**.
2. Pull supply wires from Junction Box *(by others)* through **Junction Box Knockout Location**. Secure the fixture **Housing** to the surface with appropriate fasteners *(by others)*, **Drill Locations** shown *(Fig. 2)*. The fixture can also be surface mounted directly to a junction box *(by others)* using the mounting provision provided through the **Housing**.
3. Use appropriate UL rated wire connectors as required by code to make electrical splices to fixture leads. Follow appropriate mounting and wiring instructions per code, see wiring diagram Fig. 7.
4. Bundle the wires in a tight group to be moved out of the way and secure the **LED/LENS Tray Assembly** by rotating and snapping closed as shown in Fig. 3.

   WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sharp objects.

Fig: 1

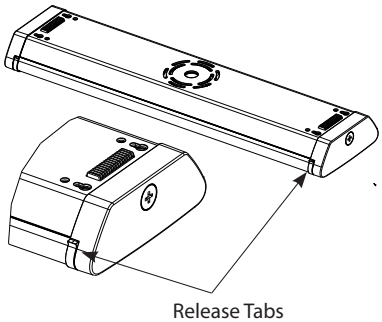



Fig: 2

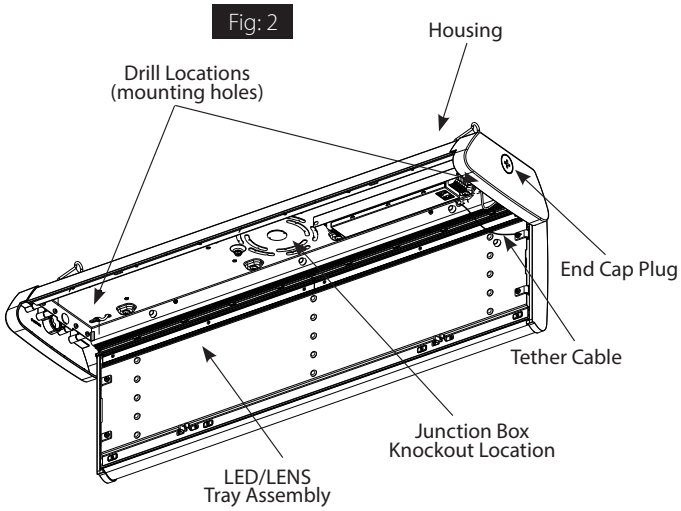
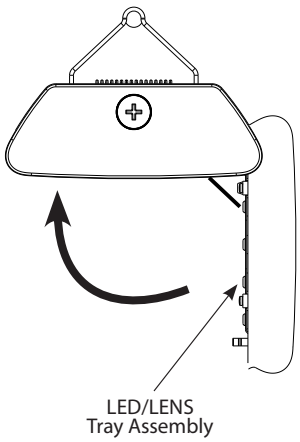



Fig: 3



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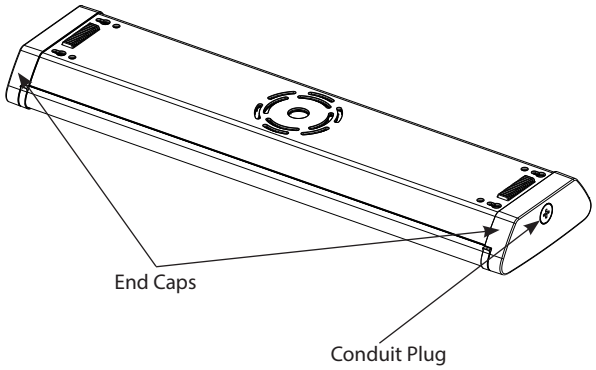
## CONDUIT MOUNTING

Housing can be mounted with 1/2" conduit on the **End Cap**.

1. Conduit mounting locations are located on the **End Cap** *(Fig. 4)*. Remove **End Cap Conduit Plug(***s)* then carefully open the fixture by pressing the **Release Tabs** as shown in Fig. 1.
2. Pull supply wire from conduit *(by others )* through **End Cap** into the housing.
3. Use appropriate UL rated wire connectors as required by code to make electrical splices to fixture leads. Follow appropriate mounting and wiring instructions per code.
4. Bundle the wires in a tight group to be moved out of the way and secure the **LED/LENS Tray Assembly** by rotating and snapping closed as shown in Fig. 3.

   **WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sharp objects.**

Fig: 4



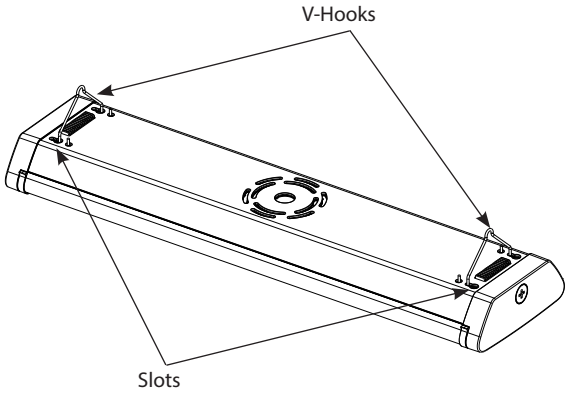

## V-HOOK MOUNTING

The fixture can be mounted using V-Hooks.

1. Mount *(2)* **V-Hooks** *(provided)* through the available **Slots** on the top of housing as shown *(Fig. 5)*. Use the appropriate mounting hardware for the mounting surface *(two V-Hooks are required)*.
2. Use appropriate UL rated wire connectors as required by code to make electrical splices to fixture leads. Follow appropriate mounting and wiring instructions per code.
3. Bundle the wires in a tight group to be moved out of the way and secure the **LED/LENS Tray Assembly** by rotating and snapping closed as shown in Fig. 3.

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Fig: 5



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## FIELD ADJUSTMENT

**Color Temperature *(CCT)* Selection:**
This product is equipped with 5000K, 4000K or 3500K CCT **Color Temperature** selection. For maximum light output use the 4000K **Color Temperature**.

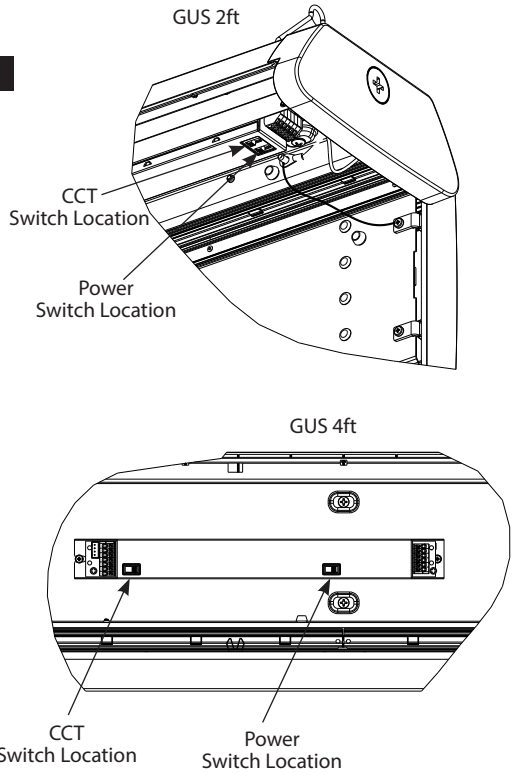
**Power *(%)* Selection:**
This product is equipped with 50%, 75% and 100% power output selection.

Follow instructions below to change **Color Temperature** *(CCT)* and/or **Power** *(%)* from factory settings.

**Factory Settings:** 100% Power, 4000K CCT

1. Locate the **Field-Adjustable Switches** in Fixture wiring compartment as shown in Fig. 6 for GUS 2ft, GUS 4ft.
2. Select **Color Temperature** *(CCT)* and/or **Power** *(%)* by sliding the respective switch to the desired value.
3. Secure the **LED/LENS Tray Assembly** by rotating and snapping closed as shown in Fig. 3.

Fig: 6



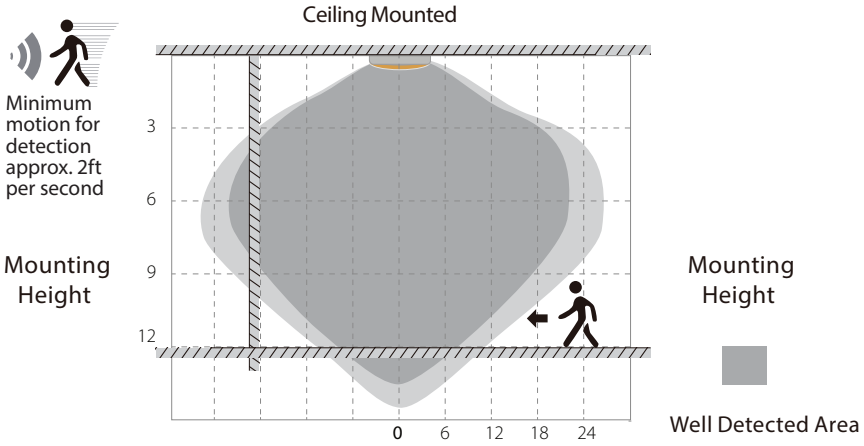

## MVS MODELS *(Internal)*

***Optional remote sold separately for custom settings, CAT# MSR1***

**Factory Settings:**

- Brightness: 100%
- Hold Time: 20 Minutes
- Daylight: Disabled
- Sensitivity: 100%
- Stand-by dimming level: 20%
- Standby-by time : 1 Minute

## MVS DETECTION PATTERN




Highest mounting height is: **14.5ft**

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

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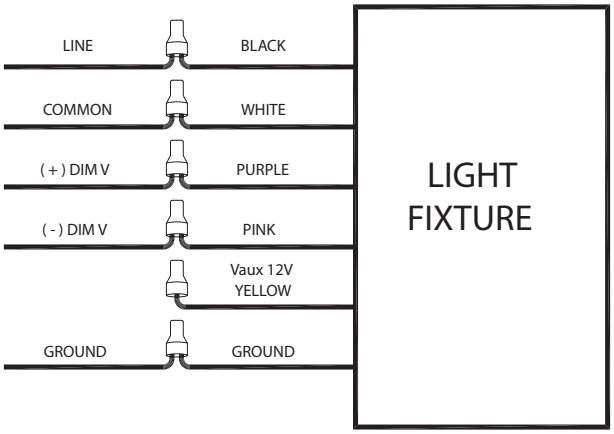
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## 0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. For 0-10V dimming, follow the wiring directions as shown in Fig. 7.

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. Do NOT connect.

Fig: 7




## TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?

## CLEANING & MAINTENANCE

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

1. Clean acrylic lens with non-abrasive cleaning solution.
2. Do not open the 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.*

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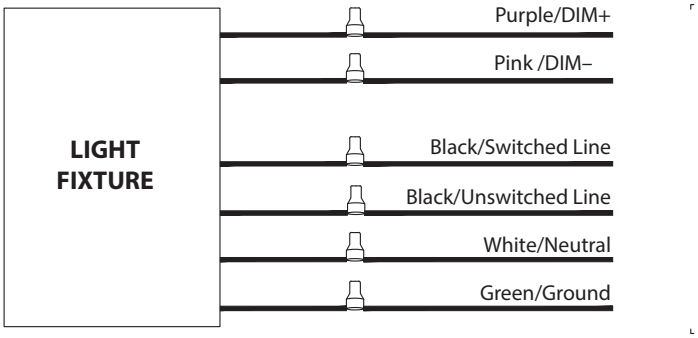
# BATTERY BACKUP MODELS

## 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 *(Fig. 8)*.
**CAUTION:** Do not use any supply voltage other than 120-277V 50/60 HZ.

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 0-10V dimming connection.
5. All unused leads must be capped and insulated.
6. When power is on, the fixture should be on and the Charging Indicator Light should illuminate to indicate the battery is charging.
7. Once the BATTERY has charged for at least one hour, a short duration test may be performed by pressing the **Test Button** *(Fig. 9)*.
8. After the battery has charged for 24 hours, a long duration test can be performed by shutting power to the fixture.

FIG. 8




## OPERATION

1. When AC power is applied, the charging indicator light is illuminated indicating that the **BATTERY** is being charged.
2. When power fails the standby power automatically switches to emergency power *(internal battery)* operating at reduced illumination. The emergency driver will operate in standby power for a minimum of 90 minutes.
3. When AC power is restored, the emergency driver automatically returns to charging mode.

## MAINTENANCE

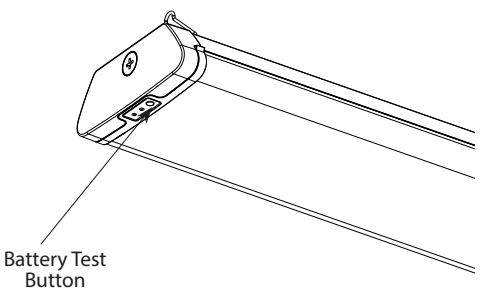
Although no routine maintenance is required to keep the emergency driver functional it should be checked periodically to ensure that it is working. The following schedule is recommended:

1. Visually inspect the charging indicator light monthly. It should be illuminated.
2. Test the emergency operation of the fixture at 30-day intervals for a minimum of 30 seconds.
3. Conduct a 90-minute discharge test once a year. Fixture would operate at reduced illumination for a minimum of 90 minutes.

## TROUBLESHOOTING

1. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing the **Test Button** *(Fig. 9)* check if battery is connected properly.

FIG. 9




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***RAB WARRANTY:*** *RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.*