

RAB Lighting C-WRAP Linear Wrap



RAB Lighting C-WRAP Linear Wrap Instruction Manual

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RAB®

RAB Lighting C-WRAP Linear Wrap



Product Information

The product is a field-adjustable C-Wrap™ LED lighting fixture designed for indoor applications. It is created by RAB Lighting, a company dedicated to providing high-quality, affordable, well-designed, and energy-efficient LED lighting and controls.

Specifications:

- Mounting: Ceiling/surface mount, conduit mount, or V-hook mount
- Application: Indoor
- Compatibility: Suitable for use with UL-rated wire connectors

Product Usage Instructions

Ceiling/Surface Mount Installation:

1. Carefully open the fixture by pressing the Release Tabs as shown in. The Tether Cable (Fig. 2) will keep the LED/LENS Tray Assembly from separating from the Housing.
2. Pull the supply wires from the Junction Box through the Junction Box Knockout Location. Secure the fixture Housing to the surface using appropriate fasteners or mount it directly to a junction box using the provided mounting provision through the Housing.
3. Make electrical splices to fixture leads using UL-rated wire connectors as required by code. Follow appropriate mounting and wiring instructions per code, referring to the wiring diagram Fig. 7.
4. Bundle the wires in a tight group and secure the LED/LENS Tray Assembly by rotating and snapping it closed as shown in Fig. 3.

Conduit Mounting:

1. Remove End Cap Conduit Plug(s) located on the End Cap (Fig. 4). Carefully open the fixture by pressing the Release Tabs as shown in Fig. 1.
2. Pull the supply wire from the conduit through the End Cap into the housing.
3. Make electrical splices to fixture leads using UL-rated wire connectors as required by the code. Follow appropriate mounting and wiring instructions per code.
4. Bundle the wires in a tight group and secure the LED/LENS Tray Assembly by rotating and snapping it closed as shown in Fig. 3.

V-Hook Mounting:

1. Mount (2) V-Hooks (provided) through the available Slots on the top of the housing as shown in Fig. 5. Use the appropriate mounting hardware for the mounting surface (two V-Hooks are required).
2. Make electrical splices to fixture leads using UL-rated wire connectors as required by the code. Follow appropriate mounting and wiring instructions per code.

FAQ

Q: How can I contact RAB Lighting for comments or inquiries?

A: You can call the Marketing Department at 888-RAB-1000 or email marketing@rablighting.com.

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 THE FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. RAB fixtures must be wired by the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED by THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

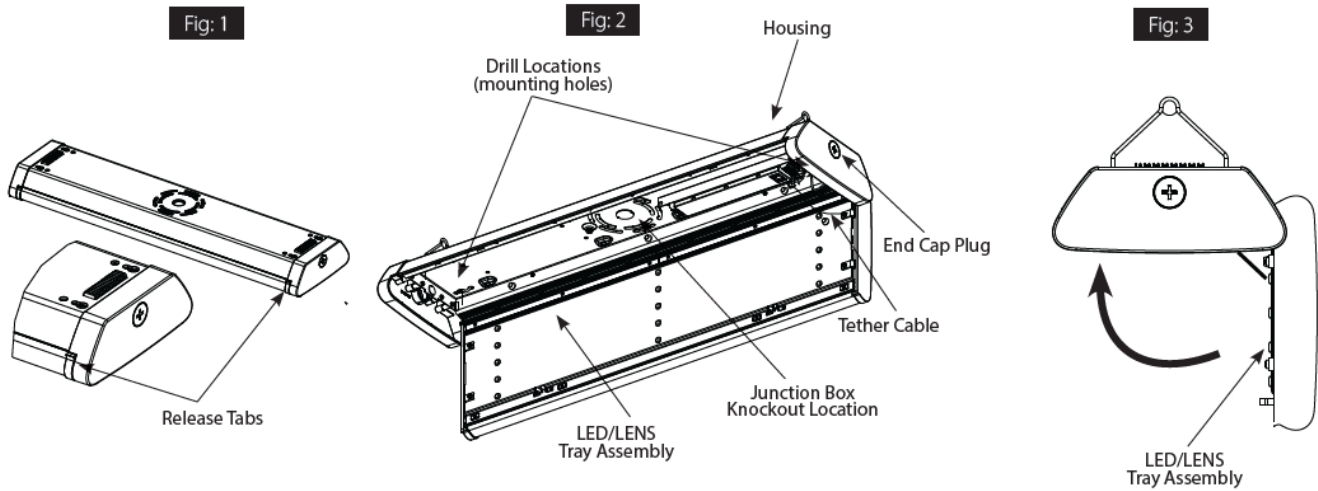
WARNING: Make certain power is OFF before installing or maintaining the fixture. No user-serviceable parts inside. Suitable for damp locations

CEILING/SURFACE MOUNT

The fixture is suitable for indoor applications.

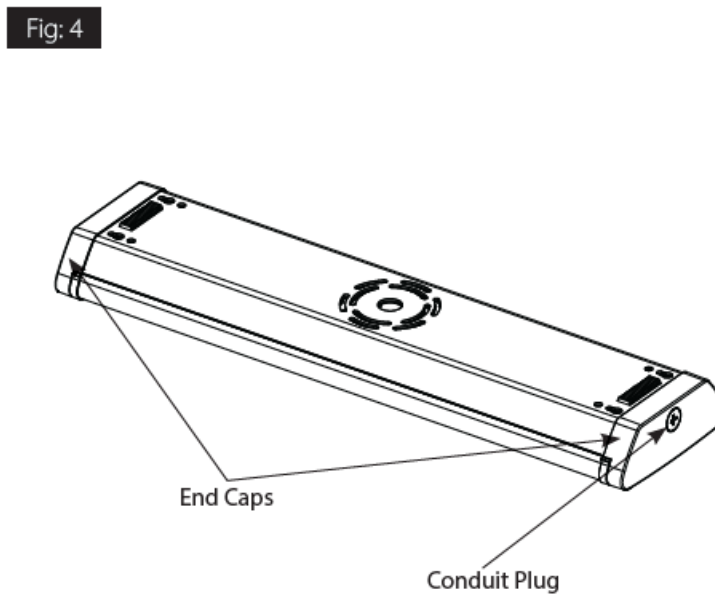
1. Carefully open the fixture by pressing the Release Tabs as shown in (Fig. 1). Tether Cable (Fig. 2) will keep the LED/LENS Tray Assembly from separating from the Housing.
2. Pull supply wires from Junction Box (by others) through Junction Box Knockout Location. Secure the fixture Housing to the surface 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.



CONDUIT MOUNTING

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

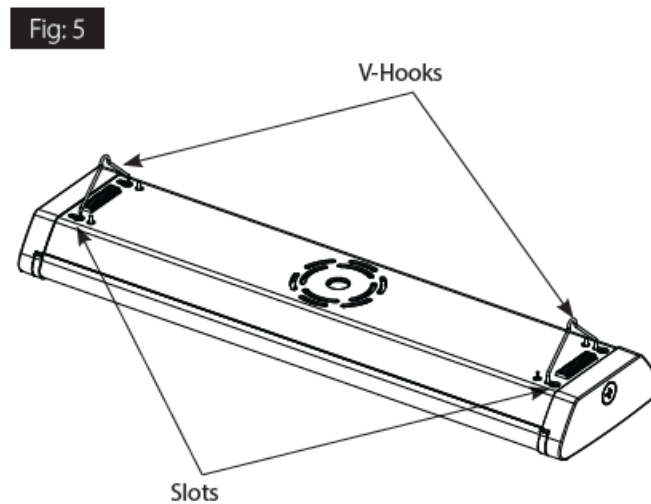


1. Conduit mounting locations are located on the End Cap (Fig. 4). Remove End Cap Conduit Plug(s) then carefully open the fixture by pressing the Release Tabs as shown in Fig. 1.
2. Pull supply wire from conduit (by others) through End Cap into the housing.
3. Use appropriate UL rated wire connectors 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.

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.

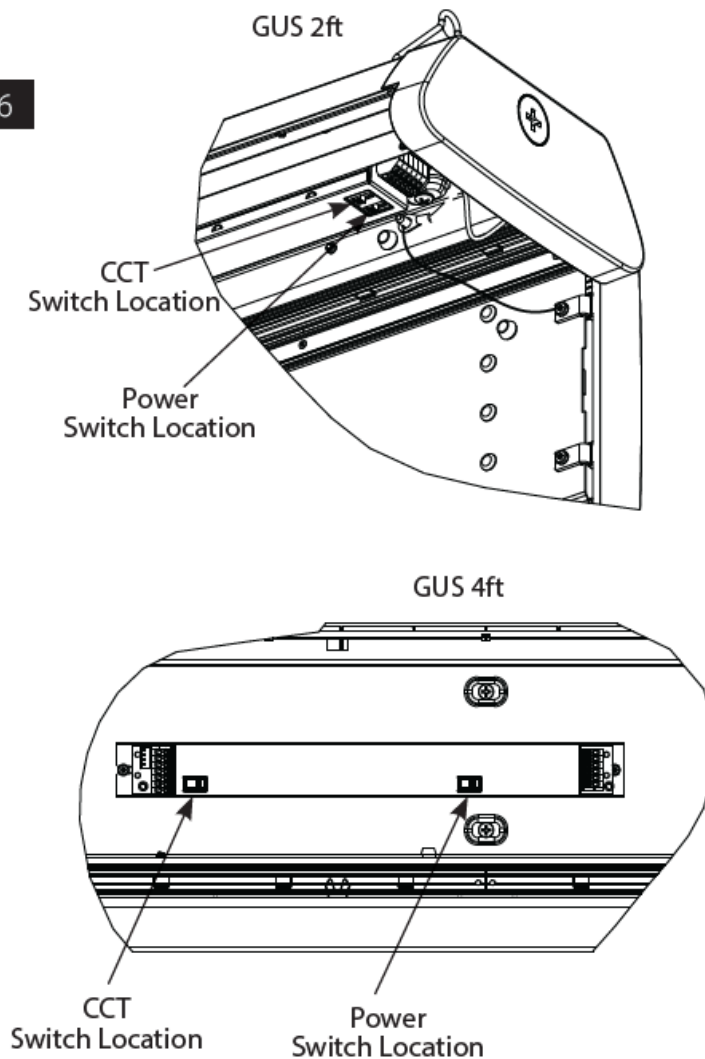
WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sharp objects.

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.

Fig: 6



Power (%) Selection:

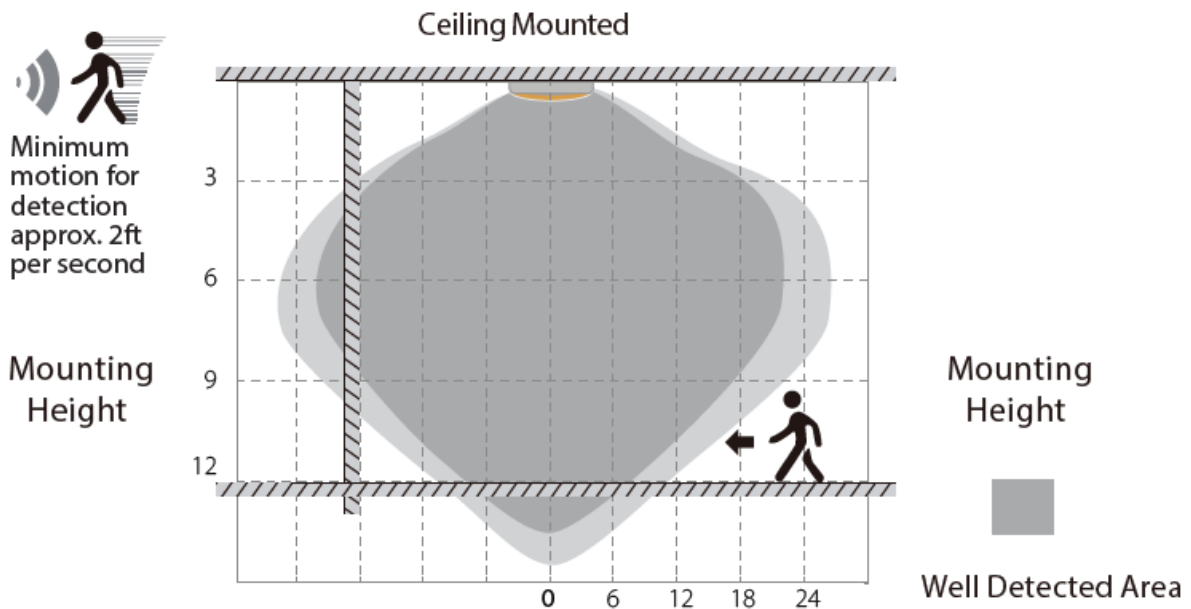
- This product is equipped with 50%, 75% and 100% power output selection.
- Follow instructions below to change Color Temperature (CCT) and/or Power (%) from factory settings.

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.

MVS MODELS (Internal)

Optional remote sold separately for custom settings, CAT# GUS-MVS-REMOTE



Factory Settings:

- Detection area: 100%
- Hold Time: 30s
- Daylight threshold: Disabled
- Standby-by period: 30s
- Stand-by dimming level: 20%

MVS DETECTION PATTERN

Highest mounting height is: 14.5ft

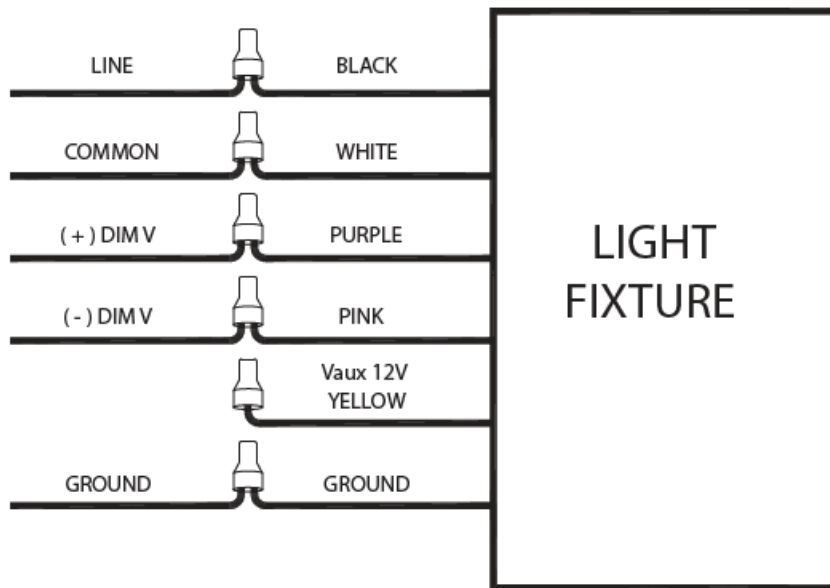
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

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 the fixture temperature is cool enough to touch. Do not clean or maintain while the fixture is energized.

1. Clean acrylic lens with a 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

BATTERY BACKUP MODELS

WIRING

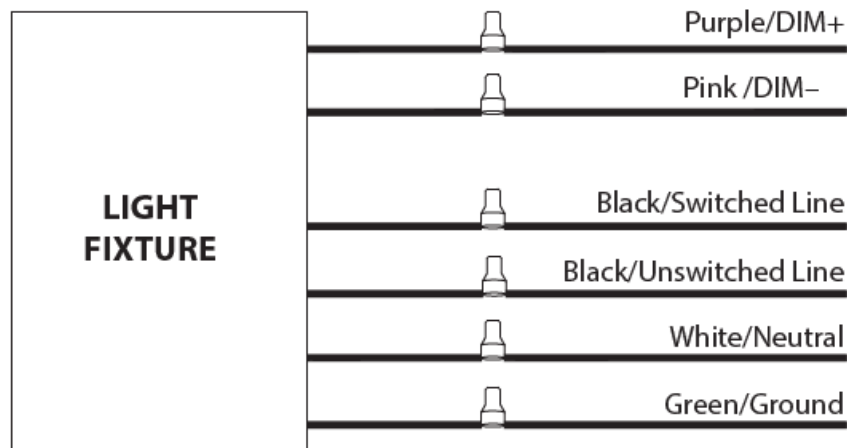
NOTE: Make sure that the necessary branch circuit wiring is available. An UNSWITCHED AC source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver (Fig. 8).

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 the SWITCHED HOT AC fixture lead to the external.
4. For 0-10V dimming, connect DIM (+) purple and DIM (-) pink leads to a 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 been charged for 24 hours, a long-duration test can be performed by shutting the 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

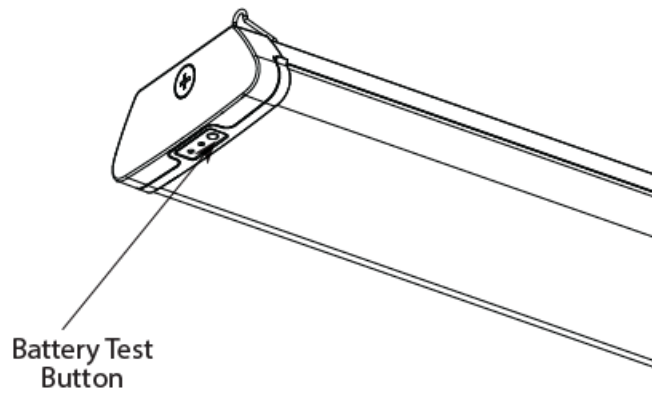
Although no routine maintenance is required to keep the emergency driver functional it should be checked periodically to ensure that it is working. The following schedule is recommended:

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



Easy Answers

rablighting.com

Visit our website for product info

Tech Help Line

Call our experts: 888 722-1000

e-mail Answered promptly – sales@rablighting.com

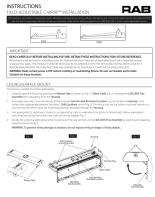
Free Lighting Layouts

Answered o © 2023 RAB LIGHTING Inc. nline or by request

RAB WARRANTY

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

Documents / Resources

	<p>RAB Lighting C-WRAP Linear Wrap [pdf] Instruction Manual C-WRAP Linear Wrap, C-WRAP, Linear Wrap, Wrap</p>
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References

- [R Welcome to RAB](#)
- [R Legal - RAB Lighting](#)
- [User Manual](#)

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