RAB GUS17 Field Adjustable Installation Guide

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RAB GUS17 Field Adjustable

RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-effi cient 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**.

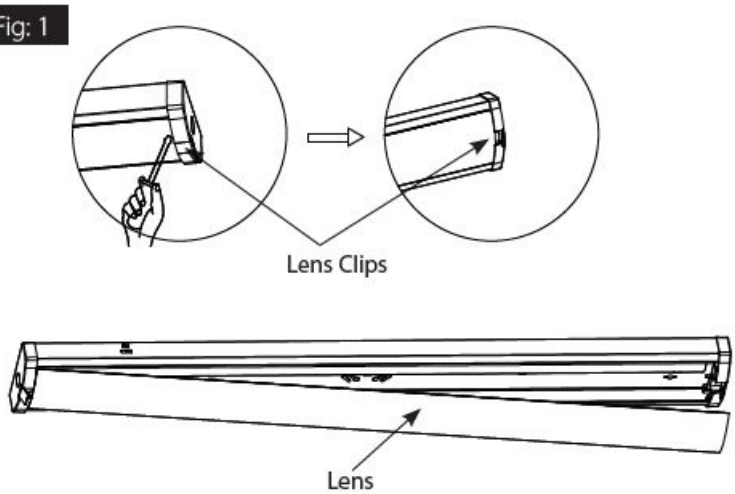
IMPORTANT
READ CAREFULLY BEFORE INSTALLING THE FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. RAB fi xtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH 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 fi xture. No user-serviceable parts inside. CAUTION: For proper weatherproof function all gaskets must be seated properly and all screws inserted and tightened fi rmly. Apply weatherproof silicone sealant around the edge of the ceiling mounting box and/or junction box. This is especially important with an uneven ceiling surface. Silicone all plugs and unused conduit entries. Suitable for damp locations. Suitable for operation in ambient not exceeding 45° C.

SURFACE MOUNTING

The fi xture is suitable for indoor applications.

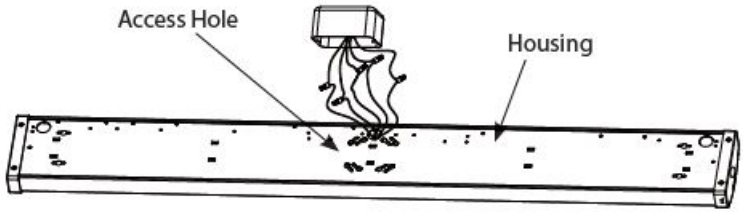
1. Pry open the Lens Clips at each end of the Housing and remove the Lens (Fig. 1).

Fig: 1



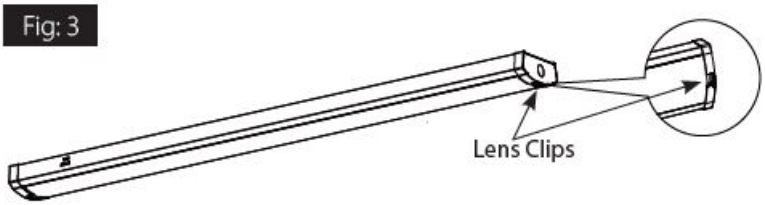
2. Pull supply wires from Junction Box (not supplied) through Access Hole on Housing as shown in Fig. 2. Secure the fixture Housing to the surface with appropriate fasteners for the surface.

Fig: 2



3. Use appropriate UL-rated wire connectors as required by code to make electrical splices to fi xture leads. Follow appropriate mounting and wiring instructions per code.
4. Once connections are made organize all wires inside the junction box or if wires are within the fi xture Housing arrange the wires away from the light source to prevent shadows using zip ties.
5. Replace Lens on fi xture and secure Lens Clips (Fig. 3).

Fig: 3



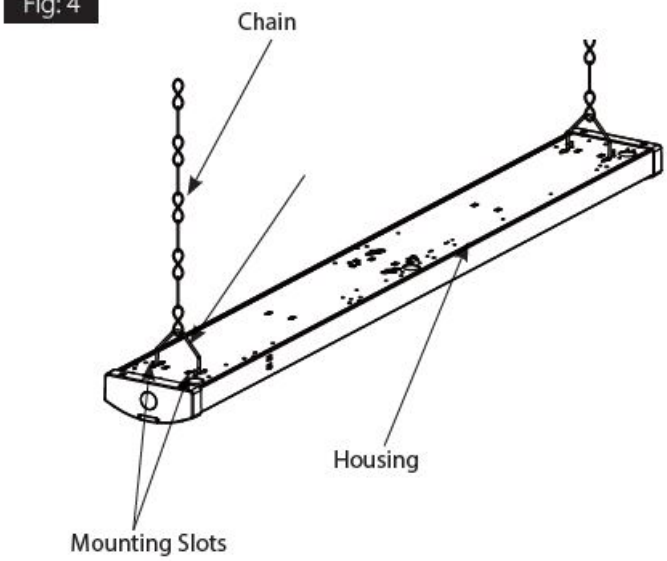
6. **WARNING:** To prevent wiring damage or abrasion, do not expose wiring to the edges of sharp objects.

V-HOOK/CHAIN MOUNTING

The fi xture can be mounted using V-Hooks and Chain (ordered separately as GUS17 VHOOK KIT).

1. Loop the V-Hooks into the Mounting Slots at each end of the Housing as shown in Fig 4.

Fig: 4



2. Connect the Chains to the mounting surface and hang the fi xture from V-Hooks.
3. Fixture mounting height and spacing should be determined by application requirements. V-Hook and Chain is suitable to support four (4) times the weight of the Fixture.
4. Make electrical connections as shown in wiring diagram (Fig. 8). Use approved wiring connectors and appropriate wiring method and wire to local NEC codes. Be careful not to pinch wires.
5. Once connections are made organize all wires inside the junction box or if wires are within the fi xture housing arrange the wires away from the light source to prevent shadows using zip ties.
6. Replace Lens on fi xture and secure Lens Clips (Fig. 3). WARNING: To prevent wiring damage or abrasion, do

not expose wiring to sharp objects

CONTINUOUS RUN MOUNTING

Multiple fixture wiring kit sold separately (ordered separately as GUS17 JOIN KIT).

1. Pry open the Lens Clips at each end of the Housing and remove the Lens (Fig. 1).
2. Install Joiner Bracket to connect multiple fi xtures together and secure with (4) Screws, provided (Fig. 5).

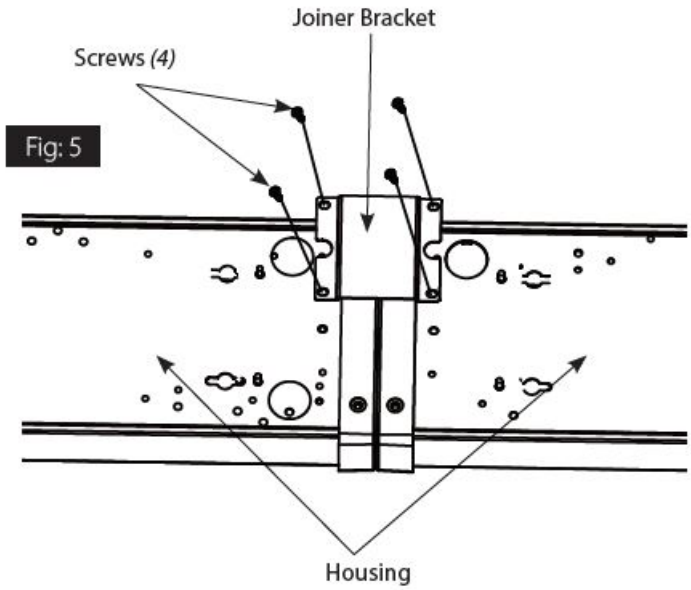
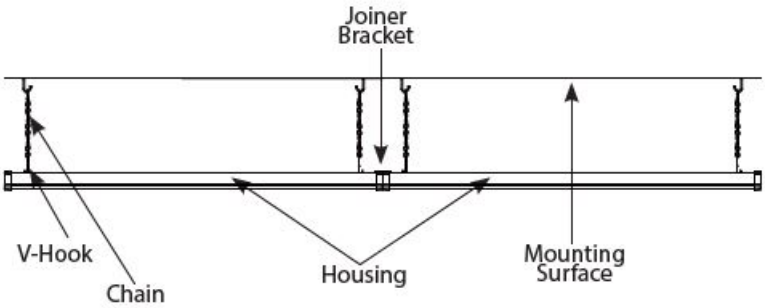


Fig: 5

3. Loop the V-Hooks into the Mounting Slots at each end of the Housing as shown in Fig. 4.
4. Connect the Chains to the Mounting Surface and hang the fi xtures from the V-Hooks as shown in Fig. 6.

Fig: 6



5. Fixture mounting height and spacing should be determined by application requirements. V-Hooks and Chains are suitable to support four (4) times the weight of the fi xture.
6. Make electrical connections as show in wiring diagram (Fig. 8). Use approved wiring connectors and appropriate wiring method and wire to local NEC codes. Be careful not to pinch the wires.
7. Once connections are made organize all wires inside the junction box or if wires are within the fi xture housing arrange the wires away from the light source to prevent shadows using zip ties.
8. Replace Lens on fi xture and secure Lens Clips (Fig. 3).

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

FIELD ADJUSTMENT

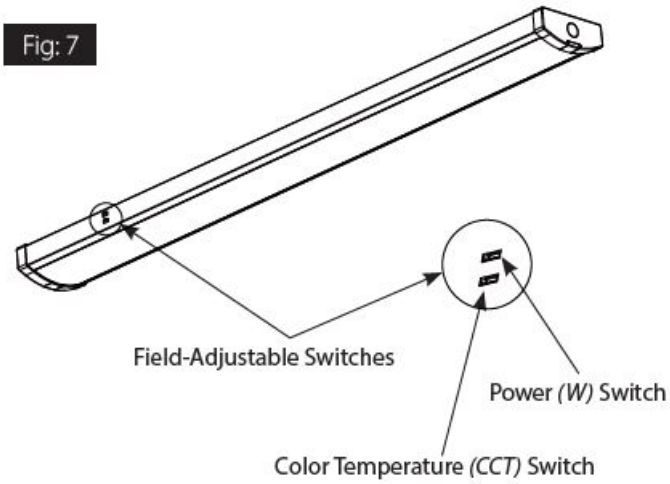
Follow instructions below to change the Fixture Power (W) and/or Color Temperature (CCT) from factory settings:

Factory Settings:

- GUS17 – 2ft 25/20/15W 25W / 4000K
- GUS17 – 4ft 50/40/30W 50W / 4000K

1. Locate the Field Adjustable Switches on the side of Fixture Housing as shown in Fig. 7.
2. Select Power (W) and/or Color Temperature (CCT) by sliding respective switch to the desired value (Fig. 7).

Fig: 7

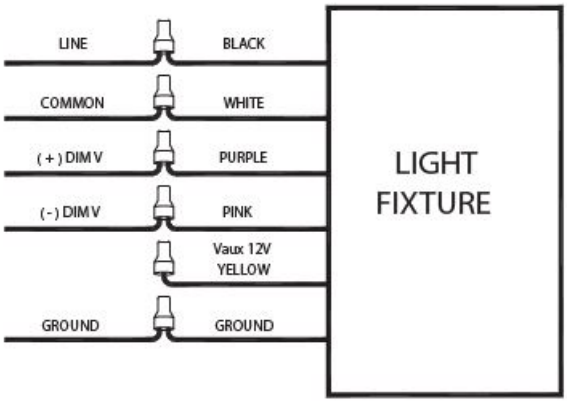


0-10V DIMMABLE WIRING

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. 8.

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

Fig: 8



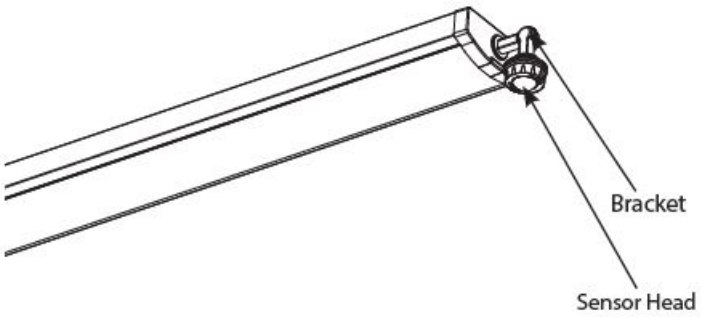
PIR MODELS

Screw Sensor Head onto the Bracket as shown in Fig. 9. See factory settings below (optional remote sold separately for custom settings, CAT# MSR1).

Factory Settings:

- **Brightness:** 100%
- **Hold Time:** 1 Minute
- **Daylight:** Disabled
- **Sensitivity:** 50%
- **Stand-by dimming level:** 20%
- **Stand-by time:** 1 Minute

Fig: 9



MVS MODELS (Internal)
(optional remote sold separately for custom settings, CAT# MSR1).

- **Sensitivity:** 50%

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.

WIRING

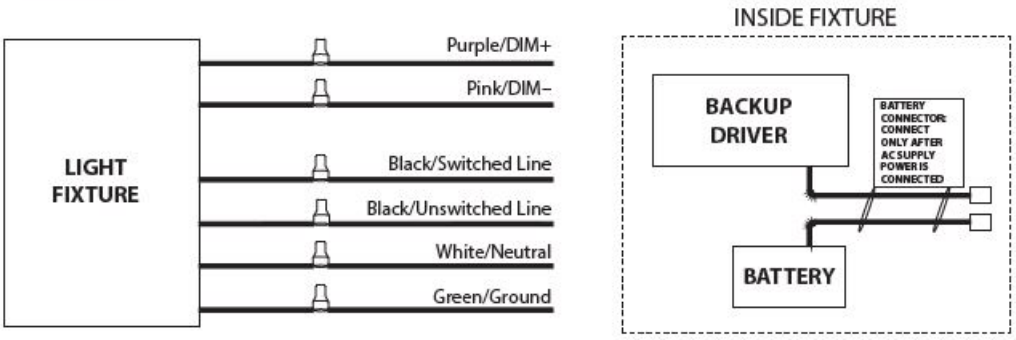
NOTE:
Make sure that the necessary branch circuit wiring is available. An UNSWITCHED AC source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver.

CAUTION:
Do not use any supply voltage other than 120-277V 50/60 HZ.

1. Connect UNSWITCHED HOT fi xture 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 connections.
5. All unused leads must be capped and insulated.
6. After installation is complete supply AC power to the fi xture and then connect the BATTERY.
7. When power is on the fi xture 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 (Fig. 11).
9. After the battery has charged for 24 hours a long duration test can be performed by shutting power to the

fixture.

Fig: 10



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

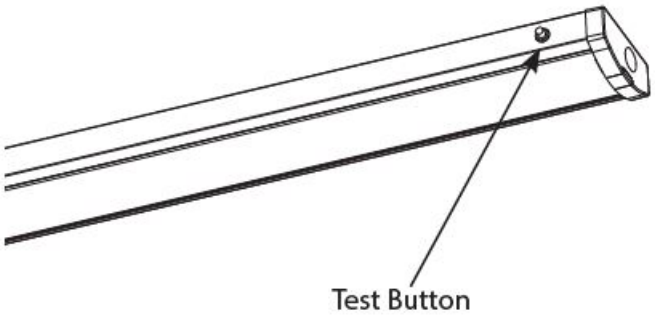
Although no routine maintenance is required to keep the emergency driver functional it should be checked periodically to ensure that it is working. The following schedule is recommended:

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

TROUBLESHOOTING

1. Is the fi xture grounded properly?
2. If the charging indicator light does not illuminate after pressing the Test Button (Fig. 11), check if battery is connected properly.

Fig: 11



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.

RAB WARRANTY

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

Easy Answers

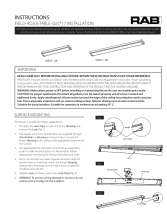
rablighting.com
Visit our website for product info

Tech Help Line
Call our experts: 888 722-1000

e-mail
Answered promptly – **sales@rablighting.com**.

Free Lighting Layouts
Answered online or by request

Documents / Resources

	**RAB GUS17 Field Adjustable** [pdf] Installation Guide GUS17 Field Adjustable, GUS17, Field Adjustable, Adjustable

References

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- **Legal - RAB Lighting**