

INSTRUCTIONS

HAZVX INSTRUCTION



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



HAZVX



HAZVX/E

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.
- Suitable for non-insulated surface and frame.
- Do not cover fixture with insulation liner or similar material.
- Do not install on unstable, loose, or breakable surfaces.

Hazardous Location: Class I, Division 2, Groups A, B, C, D, LED Surface Mounted Luminaires.

CEILING MOUNTING

1. Use appropriate mounting hardware (*by others*).
Mark the **Mounting Surface** for mounting hardware locations and drill two holes ($5/16"$) in the locations. Recommended distance is $5-11/16"$ (Fig.1).
2. Open the upper cover of the luminaire using an **Allen key** to make electrical splices to fixture leads.
3. Use appropriate UL-rated wire connectors as required by code to make electrical splices. Follow appropriate mounting and wiring instructions per code, see wiring diagram (Fig 2). Note: connect the **AC cables** as follows: Green to Ground, White to Neutral, Black to Live. Then tighten the upper cover back.
4. Match the luminaire holes with the marked holes in the mounting surface, utilize **M8 expanded screws** (*by others*) to fix the **nuts**, secure the luminaire to the ceiling (Fig. 3). The rotating cap can be rotated 90 degrees left and right.
5. Turn on power to test.
6. Installation completed (Fig 4).

Fig.1

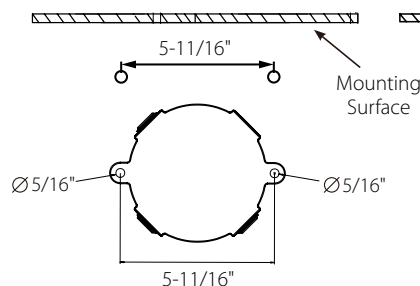


Fig.2

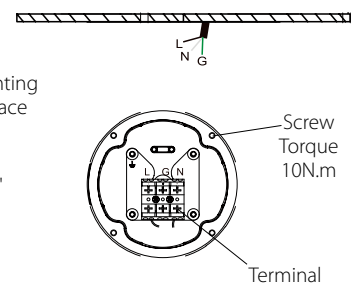


Fig.3

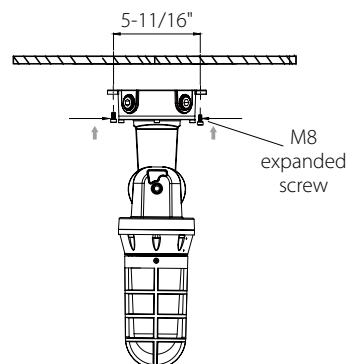
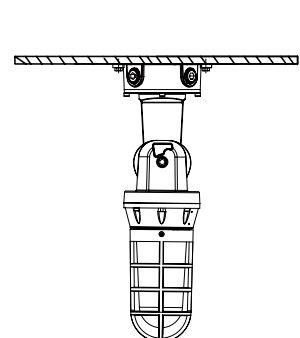


Fig.4



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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.5.

1. Connect the black wire to the L Live wire.
2. Connect the white wire to the Neutral wire.
3. Connect the green wire to the Ground wire.

CEILING MOUNTING (BATTERY BACKUP MODEL)

1. Use appropriate mounting hardware (*by others*). Mark the **Mounting Surface** for mounting hardware locations and drill two holes (**5/16"**) in the locations. Recommended distance is 5-11/16" (Fig. 6).
2. Open the **upper cover** of the luminaire using an **Allen key** to make **electrical splices** to fixture leads.
3. Use appropriate UL-rated wire connectors as required by code to make electrical splices. Follow appropriate mounting and wiring instructions per code, see wiring diagram (Fig 7). Note: connect the **AC cables** as follows: Green to Ground, White to Neutral, Black to Live1, Gray to Live2. Then tighten the upper cover back.
4. Match the luminaire holes with the marked holes in the mounting surface, utilize **M8 expanded screws** (*by others*) to fix the nuts, and secure the luminaire to the ceiling (Fig. 8). The rotating cap can be rotated 90 degrees left and right.
5. Turn on power to test.
6. Installation completed (Fig. 9).

Fig.5

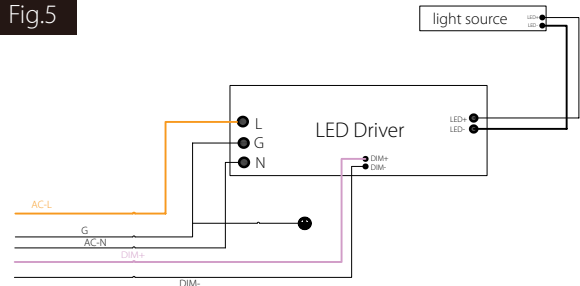


Fig.6

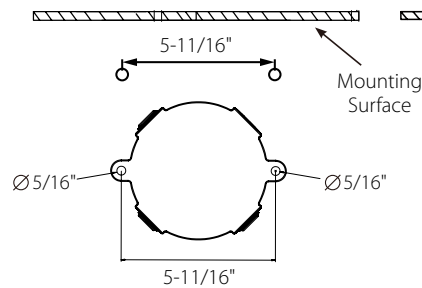


Fig.7

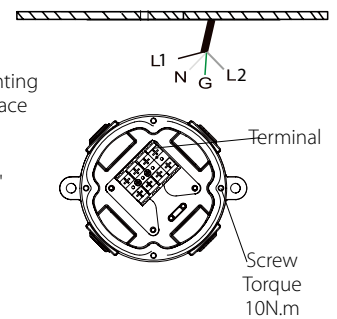


Fig.8

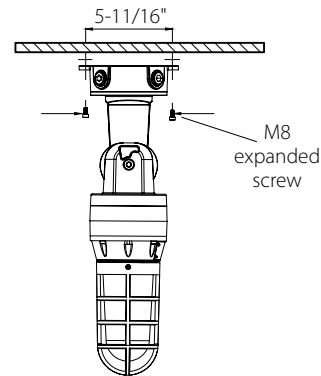
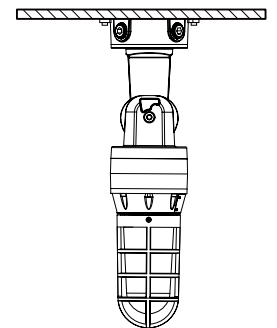


Fig.9

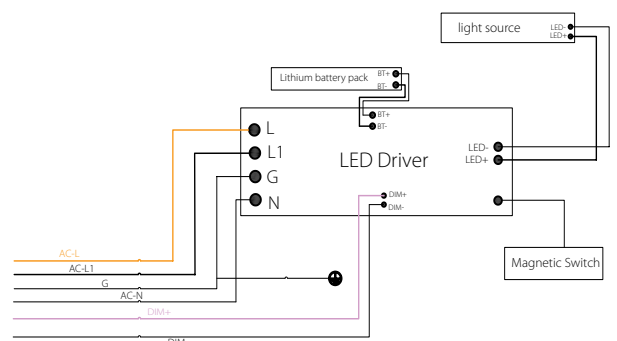


0-10V DIMMABLE WIRING (BATTERY BACKUP MODEL)

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

1. Connect the black wire to the L Live wire.
2. Connect the black and white wire to the L1 Emergency Live wire.
3. Connect the white wire to the Neutral wire.
4. Connect the green wire to the Ground wire.

Fig.10



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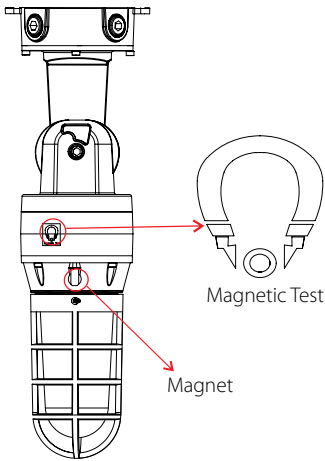


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MAGNETICALLY CONTROLLED SWITCH

1. The Magnetically Controlled Test Switch is designed to test emergency functions. When testing is not required, the magnet is adsorbed on the fixed position (**Fig.11**).

Fig.11



The label is placed on the surface of the fixture body to identify the position of the Magnetic switch.

Note: The area indicated by the circle has the strongest magnetism.

Function Table of Magnetically Controlled Test Switch

Mode	Magnet Movement	Indicator Status	Luminaire Reaction
AC Mode	NA	Green Light on	Battery Charging
Testing EM Function	Place Magnet on Magnetic Test Spot for 2 seconds	Green Light on and off for 1~2S	Enter EM mode for 2S, luminaire dims to 8W, then exit automatically
Emergency Mode	NA	Green Light on and off every 2S	Luminaire dims to 8W (around 800lm)
Turn off EM Function	Place Magnet on Magnetic Test Spot for 2 seconds	Green Light off	OFF

Charging Time: 24 hours
Emergency Wattage: 8W
Emergency Duration: 90mins
Luminaire Start-up Time: 1.8S

Luminaire will automatically enter Testing EM Function Mode monthly and yearly.

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CLEANING & MAINTENANCE

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

1. Do not open fixture to clean the LED. Do not touch the LED.
2. Do not touch reflector, lens or trim cone.
3. Do not clean any fixture surface with wood-base cleaning material such as paper towels or tissues.

TROUBLESHOOTING

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