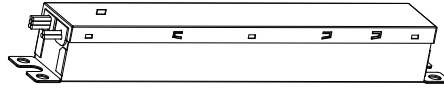


# INSTRUCTIONS

## EMERGENCY LIGHTING EQUIPMENT



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](mailto:marketing@rablighting.com)



### IMPORTANT

#### READ CAREFULLY BEFORE INSTALLING DRIVER. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB driver 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.

## SAVE THESE INSTRUCTIONS IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. This is a sealed unit. Components are not replaceable. Replace the entire LED Emergency Backup unit when necessary.
2. Do not use outdoors.
3. This LED Emergency Backup unit requires an un-switched AC power source of 120-277V, 50/60 Hz. The AC driver MUST be on the same branch circuit as the LED Emergency Backup unit.
4. It can provide a constant power output of about 5 watts in emergency mode. Operates one lamp in the emergency mode for a minimum of 90 minutes.
5. The Driver is intended for normal applications and for permanent installation into one or more Listed emergency luminaires.
6. Do not let power supply cords touch hot surfaces.
7. Do not mount near gas or electric heaters.
8. Install in accordance with the National Electrical Code and local regulations.
9. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
10. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
11. Do not use this equipment for anything other than it's intended use.
12. Use with grounded, UL Listed, damp location rated fixtures and case should be grounded.
13. New batteries may require initial 12 hours charge before testing emergency function.
14. One driver powers one lamp only.
15. Max. mounting height: 8.5ft(2.6m)

| Model  | Luminaire   |
|--------|---|
| DRI001 | One (1) LED tube, Classified (IFAR/7), RAB LIGHTING INC (E361152), Model T8-9-24G-8XX-DE-BYP, T8-14-48G-8XX-DE-BYP, T8-10.5-48G-8XX-SD-BYP. |

For more information about the whole compatible lamps list for this emergency driver, please visit [rablighting.com](http://rablighting.com)

★ Other luminaire Max. mounting height can be found as follow:

1. Log onto the DesignLights Consortium website ([www.designlights.org](http://www.designlights.org)).
2. Click on "search the DLC Qualified Product List" button on the DLC homepage.
3. In the "search by keyword" text window enter: luminaire manufacturer name and part number.
4. Click on "Search" tab to open the "Qualified Products List."
5. Determine per "Reported Date" efficacy shown in lumens per watt-(lm/w).

Multiply lumens per watt by DRI001 rated output(example: lm/w x 5watts). Refer to table below for the wattage of the specific DRI001 model to be used in the luminaries. (lm/w) x (DRI001 Watts)=Minimum emergency lumens of fixture.

| Model  | Output Power(Constant) |
|--------|------------------------|
| DRI001 | 5 Watts                |

6. Follow industry standards by utilizing available.ies files and lighting design software for your dedicated emergency luminaires, with the above calculated emergency lumens, and validate your as-installed plans in accordance with the applicable life safety codes governing your project.

While these products are compliant with the requirements of UL Standard 924, it is ultimately the responsibility of the designer/specifier to assure the as-installed system delivers code compliant path of egress illumination in accordance with federal, state or local municipal requirements.

# INSTRUCTIONS

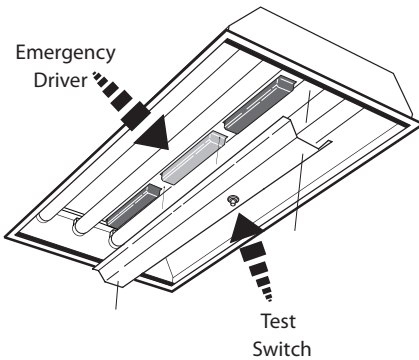
## EMERGENCY LIGHTING EQUIPMENT



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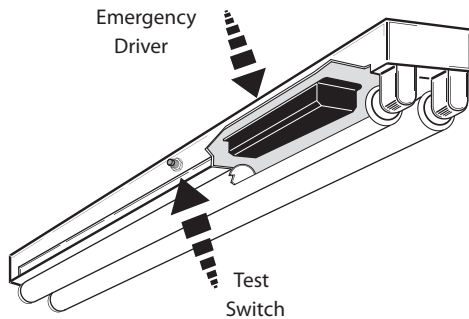
### INSIDE DRIVER CHANNEL-MOUNTING

Fig. 1



### INSIDE STRIP FIXTURE-MOUNTING

Fig. 2



### WIRING DIAGRAMS

Fig. 5 For single end Type B (Bypass) LED lamps

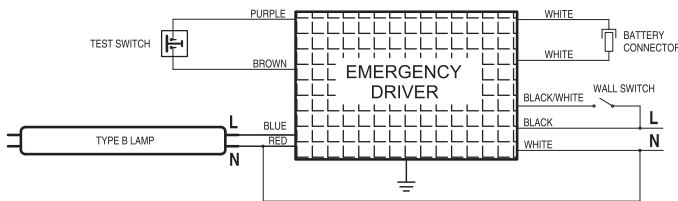
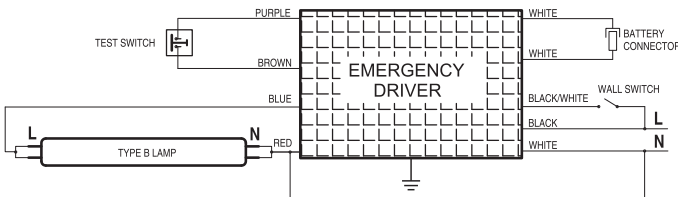


Fig. 6 For double end Type B (Bypass) LED lamps



### OPERATION

**Normal Mode:** AC power is present. The AC driver operates the LED load as designed. The emergency pack is charging in a standby mode. The test button will be lit, showing that the battery is charging.

**Emergency Mode:** When the AC power goes out, the emergency pack detects the power outage and automatically switches to the emergency mode. The LED load is illuminated, for a minimum of 90 minutes. When AC power is restored, the emergency pack switches back to Normal Mode and starts re-charging.

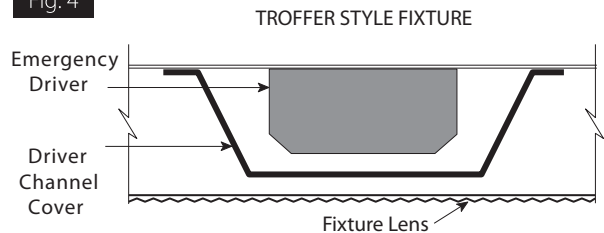
### WIRING

**WARNING:** TO PREVENT HIGH VOLTAGE FROM BEING PRESENT ON BLACK & WHITE OUTPUT LEADS PRIOR TO INSTALLATION, INVERTER CONNECTOR MUST BE OPEN. DO NOT JOIN INVERTER CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED TO THE EMERGENCY DRIVER.

### INSTALLING THE CHARGING INDICATOR LIGHT

Install the CHARGING INDICATOR LIGHT as shown in the illustration below so that it will be visible after the fixture is installed.

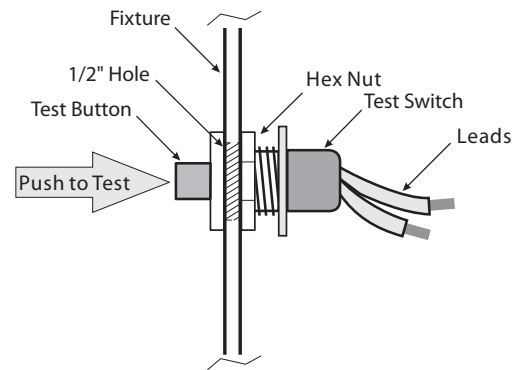
Fig. 4



### INSTALLING THE TEST SWITCH

1. Refer to the illustrations above and install the **test switch** through the driver channel cover of a troffer or through the side of a strip fixture.
2. Drill a **1/2" hole** and install the switch as shown.
3. Wire the **test switch** so that it removes AC power from the unswitched hot line to the emergency driver.

Fig. 3



### 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. One lamp should operate at reduced illumination.
3. Conduct a 90-minute discharge test once a year. One lamp should operate at reduced illumination for at least 90 minutes.



### 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](mailto:sales@rablighting.com)

**Free Lighting Layouts**  
Answered online or by request