

# INSTRUCTIONS

## HAZ-ADP TOP HAT ADAPTER 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](mailto:marketing@rablighting.com)

**\*\* DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. \*\***



### 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: Risk of fire or electric shock. High bay light installation requires knowledge of luminaires and electrical systems. If not qualified, DO NOT try to install. Please contact an electrician.

Warning: Risk of fire or electric shock. Suitable for wet locations. Make sure the power is off prior to install.

Warning: Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.

Warning: DO NOT install in unstable, loose or breakable surfaces.

Warning: DO NOT let objects impact or exert force on the surface of the fixture.

Warning: Risk of fire, electric shock or personal injury. Turn off power before installation.

### APPLICATION

The **HAZ-ADP** top hat adapter is for use where Appleton top hats are installed and where RAB's Luminaires are needed. The **HAZ-ADP** makes for a simple conversion to the **HAZLED** and **HAZBAYLED** Luminaire family without opening the conduit system.

The **HAZ-ADP** top hat adapter will accept the following product:

- |              |               |                   |                      |
|--------------|---------------|-------------------|----------------------|
| • HAZLED30CF | • HAZLED80CG  | • HAZLED120SCF    |                      |
| • HAZLED30CG | • HAZLED80FG  | • HAZLED120SCG    | • HAZBAYLED200CF     |
| • HAZLED30FG | • HAZLED80SCF | • HAZLED120CF/480 | • HAZBAYLED150CF/480 |
| • HAZLED60CF | • HAZLED80SCG | • HAZLED120CG/480 | • HAZBAYLED200CF/480 |
| • HAZLED60CG | • HAZLED120CF | • HAZLED120FG/480 | • HAZBAYLED100CF/E   |
| • HAZLED60FG | • HAZLED120CG | • HAZBAYLED100CF  | • HAZBAYLED150CF/E   |
| • HAZLED80CF | • HAZLED120FG | • HAZBAYLED150CF  |                      |

The **HAZ-ADP** top hat adapter is compatible with the following Appleton top hats:

- |  |  |
|--|--|
| • KPA-75 and KPA-100 pendant mounts            | • KPWB-75 and KPWB-100 wall mounts       |
| • KPAF-75 and KPAF-100 flexible pendant mounts | • KPS-125 and KPS-150 stanchion mounts   |
| • KPCH-75 and KPCH-100 cone pendant mounts     | • KPST-125 and KPST-150 stanchion mounts |
| • KPC-75 and KPC-100 ceiling mounts            |  |

**Note:** HAZ-ADP is not to be used with Appleton Top Hats provided with fuses and fuse holders.

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1. Make certain that the fixture has been de-energized before any changes are made.

2. Remove the Appleton luminaire from the top hat according to the Appleton removal instructions.

**Questions regarding the removal of the Appleton product should be directed towards Appleton customer service.**

Inspect the Appleton top hat seal surfaces for damage. 3. Ensure that all gaskets and sealing surfaces are clean and free of debris. Wipe with a damp lint free cloth and then dry fully before installation.

4. Install the **HAZ-ADP** onto the ballast housing or LED driver housing of the HAZLED or HAZBAYLED luminaire by capturing the luminaire's **Hinge Pin** inside the adapter **Hinge Hook** as shown in Fig. 1. Ensure the adapter is centered to the luminaire as you clamp the adapter down. Thread the captive **Closing Screw** into the adapter and tighten it to 30 in.-lbs (3.4 N-m).

5. Secure one end of the **HAZ-ADP** ground lead 1 to the luminaire ground lead using methods that comply with all applicable codes.

6. Hang the assembled luminaire and adapter from the Appleton top hat by capturing the adapter **Hinge Pin** in the Appleton top hat hook, as shown in Fig. 2.

7. Ensure that the Appleton top hat is properly grounded. Connect the remaining free end of the **HAZ-ADP** ground lead 2 to the Appleton top hat. Ensure that the HAZLED or HAZBAYLED ground lead is securely fastened to the appropriate ground leads or lugs supplied with the HAZLED or HAZBAYLED luminaire and Appleton top hat.

8. Connect supply wires per the appropriate luminaire that comply with all applicable codes. Tighten all electrical connections.

9. Seal the adapter onto the top hat by swinging the adapter towards the top hat and engaging the **Swing Bolt**, making sure that all wires are safely inside and positioned appropriately per the fixture instructions. Tighten the **Swing Bolt** to 79 in.-lbs (8.9 N-m).

10. Continue as needed with installation of fixture per the respective fixture instruction.

11. Turn power on and verify proper operation of the fixture.

Fig: 1

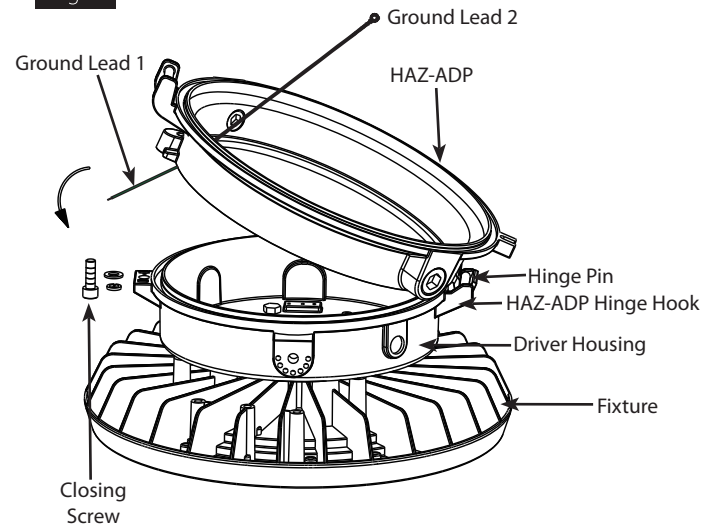
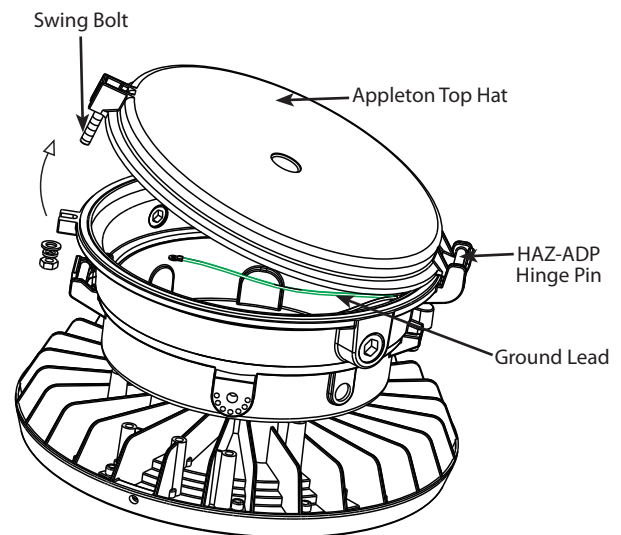


Fig: 2



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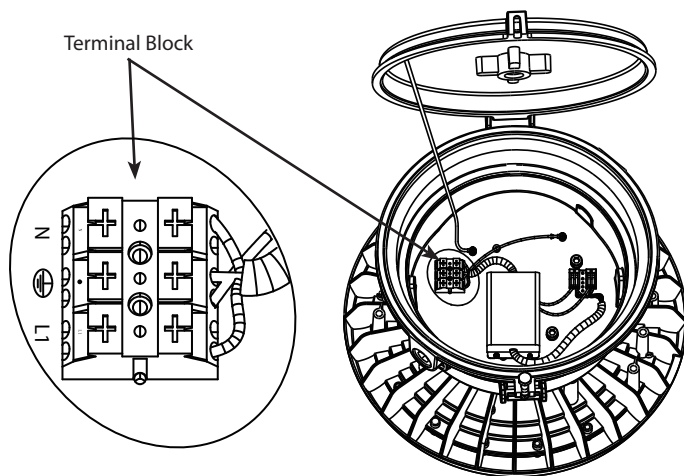
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### WIRING INSTRUCTION

Follow below steps and refer to Fig. 3 to perform wiring to branch circuit.

1. Ensure all power is turned off.
2. Open the junction box of the luminaire.
3. Install 3/4" conduit to 3/4" NPT adapter on the luminaire. Use rigid metal conduit only.
4. Connect **Line, Neutral, Ground** from branch to the **Terminal Block** according to the markings on **Terminal Block**. The product with dimming function, but need to add a 4-Wire **Terminal Block**.
5. Close the power connecting cavity.

Fig: 3



### 0-10V DIMMABLE WIRING

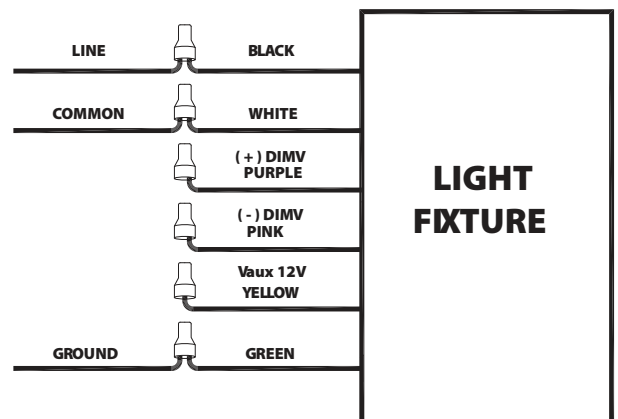
Universal voltage driver permits operation at 120V through 277V or 277V through 480V, 50 or 60 Hz. For 0-10V dimming follow the wiring directions shown in Fig.4.

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.

Do NOT connect the GROUND of the dimming fixture to the output.

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: 4



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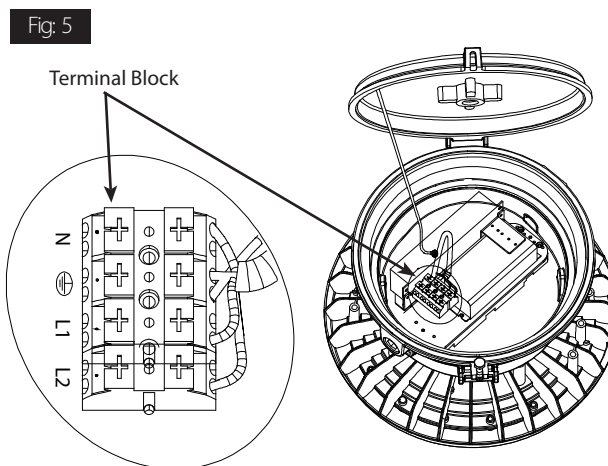
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### WIRING INSTRUCTION (EMERGENCY)

Follow below steps and refer to Fig. 5 to perform wiring to branch circuit.

1. Ensure all power is turned off.
2. Open the junction box of the luminaire.
3. Install 3/4" conduit to 3/4" NPT adapter on the luminaire. Use rigid metal conduit only.
4. Connect **Line 1, Line 2, Neutral, Ground** from branch to the **Terminal Block** according to the markings on **Terminal Block**.
5. Close the power connecting cavity.

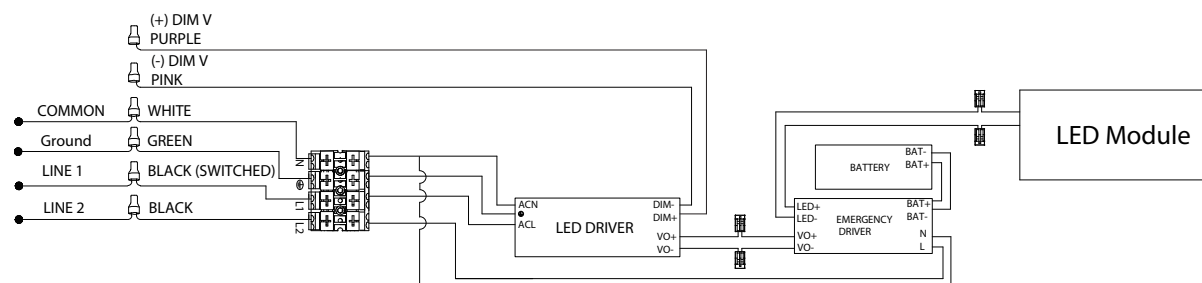


### 0-10V DIMMABLE WIRING (EMERGENCY)

Universal voltage driver permits operation at 120V through 277V, 50 or 60Hz. For 0-10V dimming follow the wiring directions shown in Fig. 6.

1. Connect the black (switched) fixture lead to the LINE 1 supply lead.
2. Connect the black (unswitched) fixture lead to the LINE 2 (emergency line) supply lead.
3. Connect the white fixture lead to the COMMON supply lead.
4. Connect the GROUND wire from fixture to supply ground. Do not connect the GROUND of the dimming fixture to the output.
5. Connect the purple fixture lead to the (V+) DIM lead.
6. Connect the pink fixture lead to the (V-) DIM lead.
7. Cap the yellow fixture lead, if present. Do not connect.

Fig. 6



### CLEANING & MAINTENANCE

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

1. Clean lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.

### TROUBLESHOOTING

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

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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HAZ-ADP - IN- 0825  
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#### Easy Answers

[rablighting.com](http://rablighting.com)  
Visit our website for product info

Tech Help Line  
Call our experts: 888 722-1000

e-mail  
Answered promptly - [tech@rablighting.com](mailto:tech@rablighting.com)

Free Lighting Layouts  
Answered online or by request

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