INSTRUCTIONS
LOTBLASTER® 65/110/160W 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



LOTBLASTER



LOTBLASTER
with Universal Pole Adapter

IMPORTANT

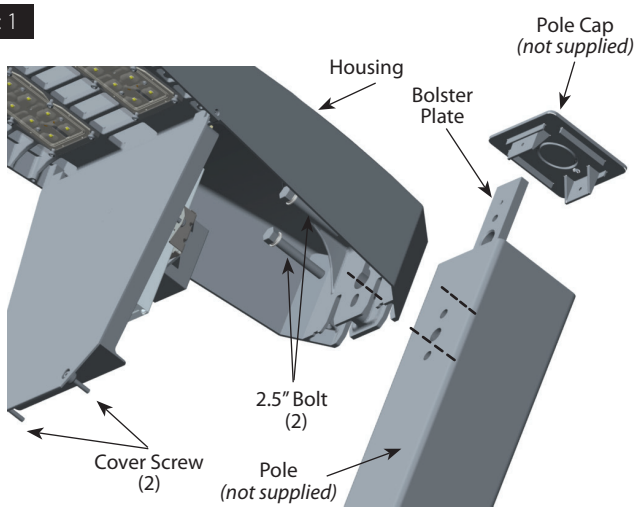
READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE 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. No user serviceable parts inside.
CAUTION: For proper weatherproof function all gaskets must be seated properly and all screws inserted and tightened firmly. 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.

MOUNTING FIXTURE DIRECTLY TO POLE

Follow steps below to mount the Housing to RAB square pole and check that pole is drilled according to Pole Drawing Detail.

1. Loosen **Cover Screw (2)** as shown in Fig. 1 to open the **Housing**.
2. Feed supply wires from center opening of **Pole** *(not supplied)* into **Housing**.
3. Line up **Bolster Plate, Pole,** and **Housing**. Insert **2-1/2" Bolts (2)** and thread into **Bolster Plate** along with washers and lockwashers *(supplied)* as shown in Fig. 1. Be sure the gasket is between **Housing** and **Pole**.
4. Make necessary connections inside the **Housing** and knot wires for strain relief.
5. Close **Housing** cover and tighten the **Cover Screws (2)**.
6. Secure **Pole Cap** *(not supplied)*.

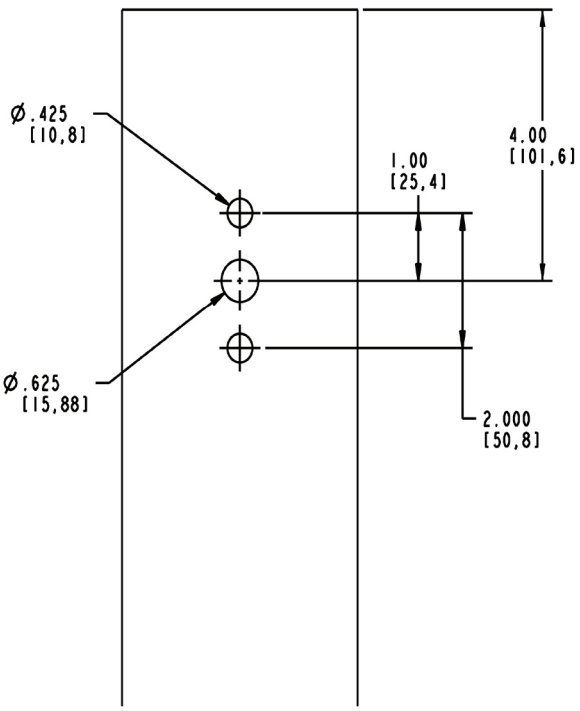
Fig: 1



POLE DRILLING DETAIL

For non-RAB poles use these dimensions to drill the pole.
This template is not to scale. Please use measurements as shown in **Fig. 2**. For pole pattern other than 2" On Center, use accessory **CAT# LOT-UPA** *(Universal Pole Adapter)*.

Fig: 2



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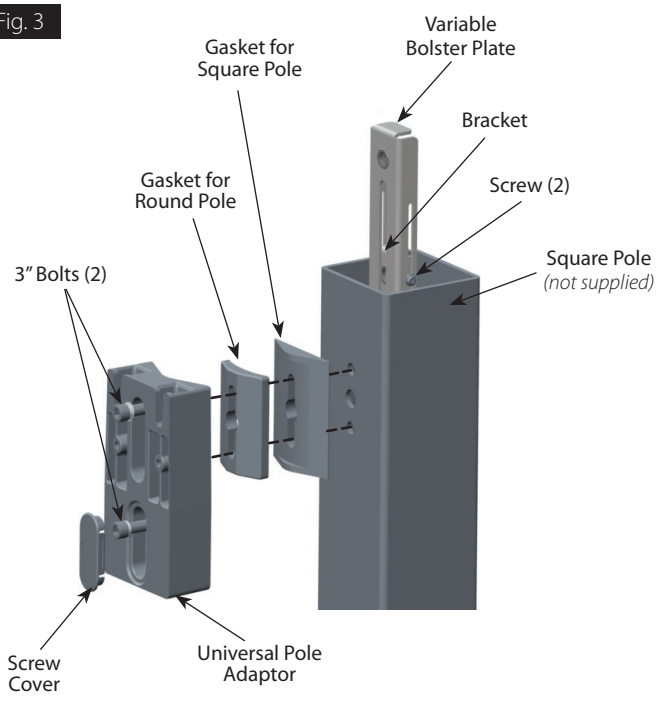
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MOUNTING UNIVERSAL POLE ADAPTER TO SQUARE POLE

Follow steps as shown in Fig. 3 to mount the **Universal Pole Adaptor (UPA)** to Square Pole *(not supplied)*. Refer to **Variable Bolster Plate** (Fig. 6) regarding drill hole spacing on pole.

1. Adjust **Bracket** on **Variable Bolster Plate** to desired bolt spacing and tighen **Screw (2)**. Refer to ***Variable Bolster Plate Detail*** for more information.
2. For **Square Pole** *(not supplied)*, use **Gasket for Round Pole** along with **Gasket for Square Pole**.
3. Line up **Universal Pole Adaptor (UPA), Gasket for Square Pole,** top hole on the **Square Pole** and top hole on **Variable Bolster Plate**.
4. Feed supply wires from center opening of **Square Pole** through gaskets and **UPA**.
5. Thread **3" Bolts (2)** along with washers and lockwashers *(supplied)* through **UPA** and tightly secure to **Variable Bolster Plate**.
6. Insert the **Screw Cover**.

Fig. 3

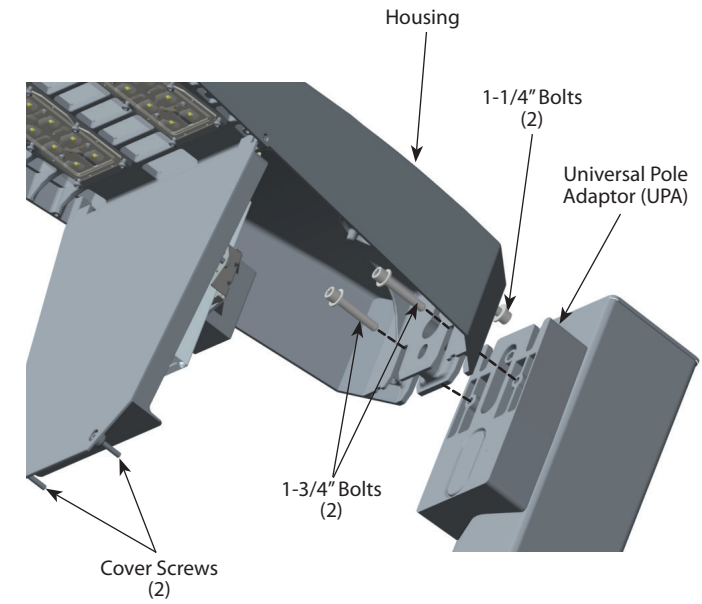


MOUNTING FIXTURE TO UNIVERSAL POLE ADAPTER

Follow steps as shown in Fig. 4 to mount the **Housing** to **Universal Pole Adaptor (UPA)**.

1. Tightly secure **1-1/4" Bolts (2)** to **Housing** from the outside as shown below, until they bottom out.
2. Feed supply wires from **UPA** to **Housing**.
3. Slide fixture down onto **UPA**. Make sure the fixture is held stable by the **1-1/4" Bolts (2)**.
4. Loosen **Cover Screws (2)** to open the **Housing**.
5. Be sure the gasket is between **Housing** and **UPA**. Insert and tighten **1-3/4" Bolts (2)** from inside of **Housing** into the **Universal Pole Adapter**.
6. Make necessary connections inside the **Housing** and knot wires for strain relief.
7. Close **Housing** cover and tighten the **Cover Screws (2)**.
8. Secure pole cap *(not supplied)*.

Fig. 4



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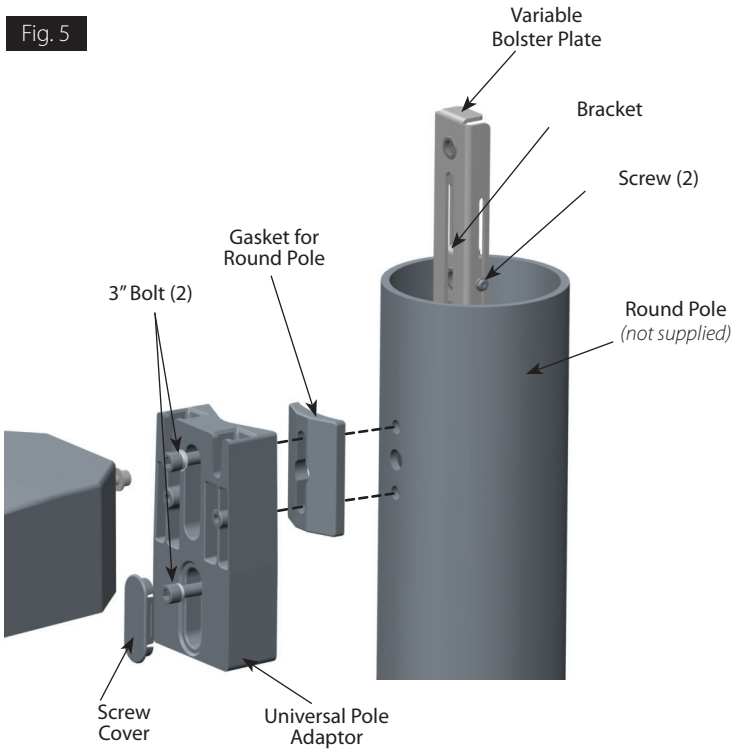
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MOUNTING UNIVERSAL POLE ADAPTER TO ROUND POLE

Follow steps as shown in Fig. 5 to mount the **Universal Pole Adaptor (UPA)** to Round Pole *(not supplied)*. Refer to **Variable Bolster Plate** (Fig. 6) regarding drill hole spacing on pole.

1. Adjust **Bracket** on **Variable Bolster Plate** to desired bolt spacing and tighen Screw (2). Refer to ***Variable Bolster Plate Detail*** for more information.
2. For **Round Pole** *(not supplied)*, use **Gasket for Round Pole** along with **Gasket for Square Pole**.
3. Line up **Universal Pole Adaptor (UPA), Gasket for Round Pole,** top hole on the **Round Pole** and top hole on **Variable Bolster Plate**.
4. Feed supply wires from center opening of **Round Pole** through gaskets and **UPA**.
5. Thread **3" Bolts (2)** along with washers and lockwashers *(supplied)* through **UPA** and tightly secure to **Variable Bolster Plate**. Can mount fixtures 180° apart by using the 2" long bolts provided.
6. Insert the **Screw Cover**.
7. Refer to ***Mounting fixture to Universal Pole Adapter*** to mount **Housing** to **UPA.**

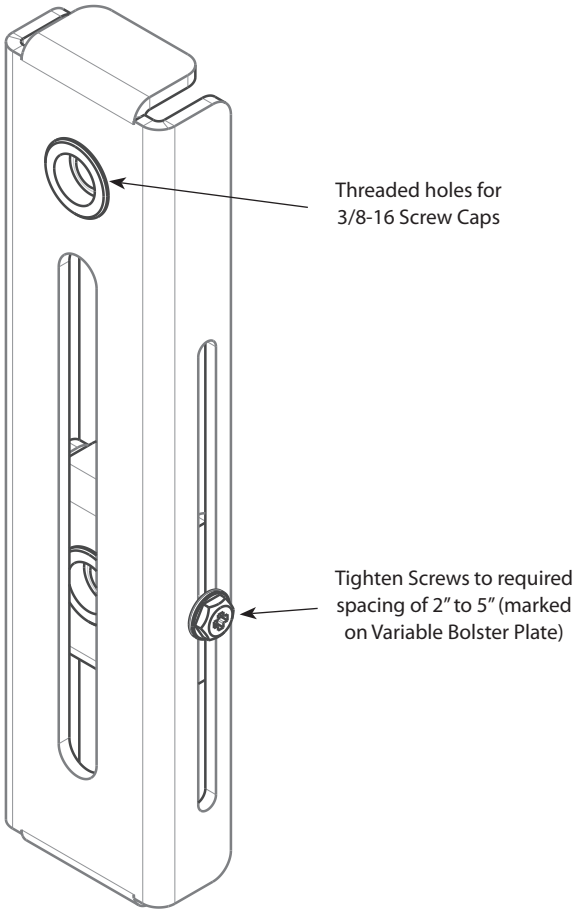
Fig. 5



VARIABLE BOLSTER PLATE

For non-RAB poles the bolster plate as shown in Fig. 6, can adjust to drill hole spacing from 2 to 5 inches.

Fig. 6



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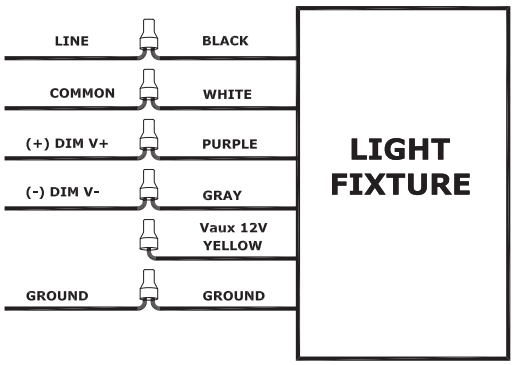
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0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. 0-10V control wires must be rated for 300V minimum. Units ordered with (/480/D10) suffix operate at 480V, 50Hz/ 60Hz. 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. **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 **Gray** fixture lead to the **(V-) DIM** lead.
6. Cap the **Yellow** fixture lead, if present. **DO NOT** connect.

Fig. 7



BILEVEL DIMMER OPTION

For 100% light output *(disabling the dimmer)*, splice red wire with black line wire.

For chosen output only, leave red wire capped.

For Bilevel Function, connect red wire to switched device. Determine what % light output is desired and set switch prior to installation. Options are: 25%, 50%, and 75%.

RECEPTACLE OPTION

Units ordered with (/PCT) suffix is supplied with 3 wire receptacle and 120-277V Twistlock Photocell. Units ordered with (/PCT4) is supplied with 3 wire receptacle and 480V Twistlock Photocell.

Units ordered with (/5PR) suffix is supplied with 5-Pin receptacle without photocell. Units ordered with (/7PR) suffix is supplied with 7-Pin receptacle without photocell. Brown and Orange wires from the 7-Pin receptacle are not connected and are reserved to DALI or other control systems.

CLEANING & MAINTENANCE

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

1. Lens should be washed in a solution of warm water and any mild, non abrasive household detergent, rinsed with clean water and wiped dry.
2. Do not open 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. Be sure the fixture is grounded properly.
3. Ensure the photocell, if used, is functioning 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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Easy Answers

rablighting.com	Tech Help Line	e-mail	Free Lighting Layouts
Visit our website for product info	Call our experts: 888 722-1000	Answered promptly - sales@rablighting.com	Answered online or by request

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

LOTBLASTER 65 110 160-IN-0321
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