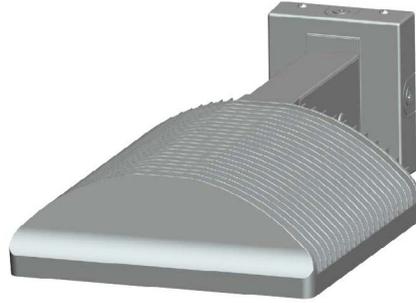


# WPLED<sup>®</sup> 50W 78W 105W 125W 150W INSTALLATION INSTRUCTIONS



Thank you for buying RAB lighting fixtures. Our goal is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000 or email: [marketing@rabweb.com](mailto:marketing@rabweb.com)



## 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.

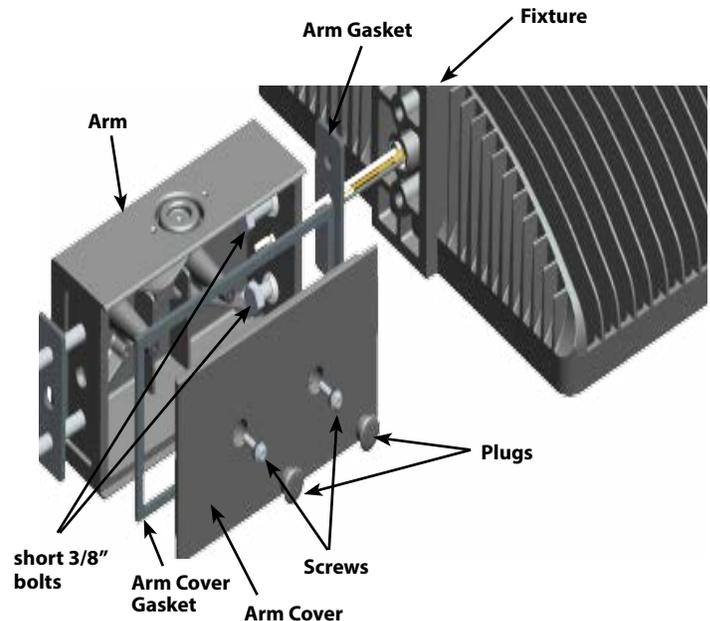
**WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.**

## 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 Back Box and/or Junction Box. This is especially important with an uneven wall surface. Silicone all plugs and unused conduit entries.**

## MOUNTING ARM ON FIXTURE

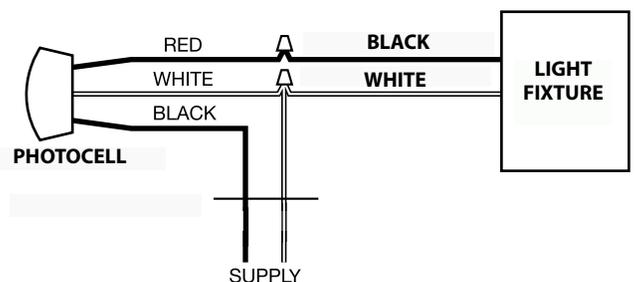
1. Remove the **Arm Cover** from the **Arm**.
2. Feed wires from **Fixture** through **Gasket** into **Arm**.
3. Line up **Arm** and **Fixture**. Place flat washers, lock washers and nuts on the **Short 3/8-16 bolts** inside the **Arm** and tighten securely to housing.
4. Make sure the **Arm Gasket** is secure between **Arm** and **Fixture**.
5. Replace the **Arm Cover**. Be sure **Arm Cover Gasket** on **Arm Cover** is in place.



## PHOTOCELL INSTALLATION

Photocell may be installed in the field. Apply weatherproof silicone sealant to all plugs and unused conduit entries.

1. Remove close up plug on top of the wall mounting box.
2. Install photocell and wire as per diagram.
3. Use photocell rated for your supply voltage.



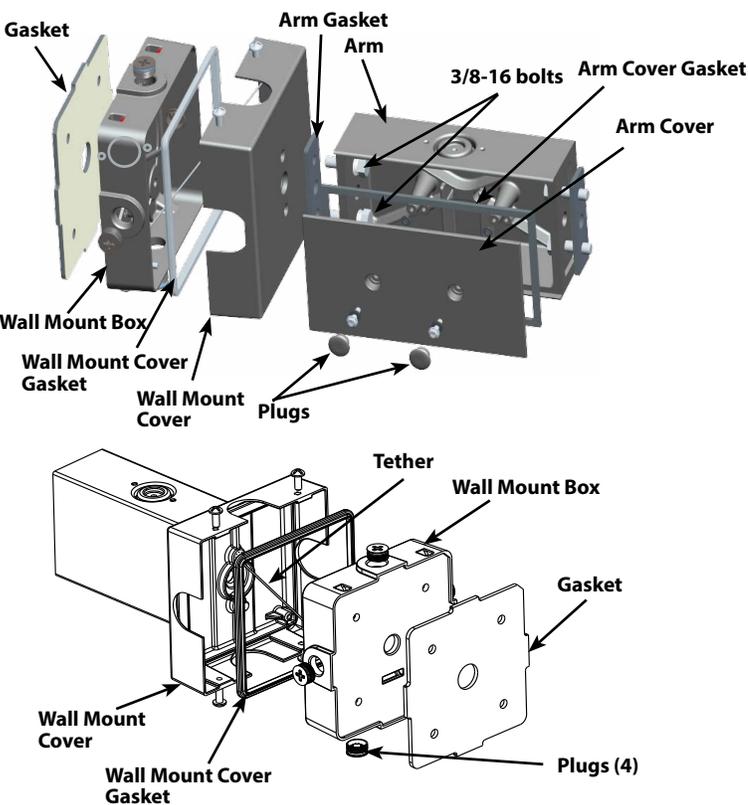
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## WALL MOUNT WITH ARM

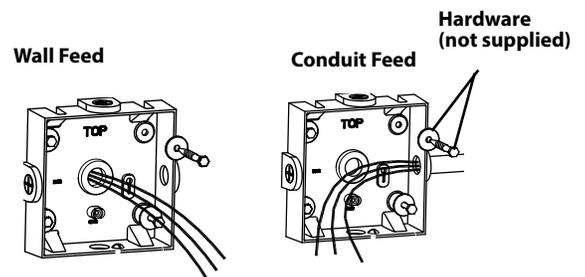
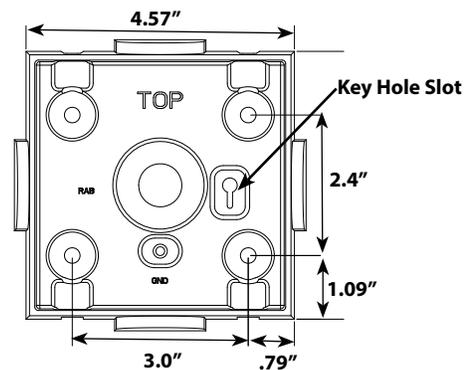
1. Separate **Wall Mount Cover** and **Wall Mount Box**.
2. Orient box so that "TOP" is on top.
3. Secure **Wall Mount Box** to a sturdy wall. Use appropriate mounting hardware such as lag bolts and anchors with washers suitable for the mounting surface.
4. Silicone around the edge of **Gasket** and/ or junction box.
5. Feed supply wires through **Wall Mount Box, Wall Mount Cover Gasket, and Wall Mount Cover**.
6. Check that **Wall Mount Cover Gasket** between **Wall Mount Box** and **Wall Mount Cover** is secure and screw the cover on box using four screws.
7. Bring fixture up to the **Wall Mount Box** and slide the stainless steel **Tether** from the fixture into the **Key Hole Slot** for hands free wiring.
8. Line up **Arm** and **Wall Mount Cover**. Place flat washers, lock washers and **3/8-16 bolts** from wall bracket (do not use long bolts provided with Arm), inside the **Arm** and tighten securely.
9. Feed wires through the **Arm Gasket** into **Arm**. Make necessary connections in the **Arm**.
10. Replace the **Arm Cover**. Be sure **Arm Cover Gasket** on **Arm Cover** is in place.
11. Tighten **Close Up Plugs** and apply weatherproof silicone sealant to all unused conduit entry points. Use weatherproof silicone sealant between wall and **Wall Mount Box**.



## FLAT WALL MOUNT, NO ARM

1. Separate **Wall Mount Cover** and **Wall Mount Box**.
2. Orient box so that "TOP" is on top.
3. Secure **Wall Mount Box** to a sturdy wall. Use appropriate mounting hardware such as lag bolts and anchors with washers suitable for the mounting surface.
4. Silicone around the edge of **Gasket** and/ or junction box.
5. Bring fixture up to the **Wall Mount Box** and slide the stainless steel **Tether** from the fixture into the **Key Hole Slot** for hands free wiring.
6. Feed supply wires through **Wall Mount Box** and wire the fixture using suitable wire connectors.
7. Check that **Wall Mount Cover Gasket** between **Wall Mount Box** and **Wall Mount Cover** is secure and screw the cover on box using four screws.
8. Tighten **Close Up Plugs** and apply weatherproof silicone sealant to all unused conduit entry points. Also use sealant between the wall and **Wall Mount Box**.

## WALL MOUNT BOX DETAILS



# WPLED<sup>®</sup> 50W 78W 105W 125W 150W INSTALLATION INSTRUCTIONS

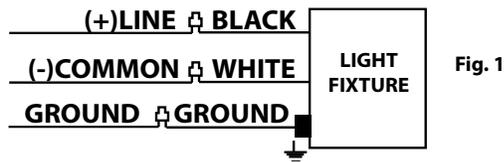


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## ON-OFF WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. Units ordered with (/480V) suffix are 480V, 60Hz. For Non-Dimming, follow the wiring directions as in fig. 1.

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.



## CLEANING & MAINTENANCE

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

1. Clean glass lens with non-abrasive glass cleaning solution.
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. Is the photocell, if used, functioning properly?

RAB fixture designs are protected under U.S. and International Intellectual Property laws.

Patents: **US:** pat. D587,839; **CN:** ZL200830272893.0; **MX:** 28396, **TW:** pat. 96304793-U02; **CA:** RAB Lighting, Inc

*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.*



## Easy Installation & Product Help

**Tech Help Line**  
Call our experts 888 RAB-1000

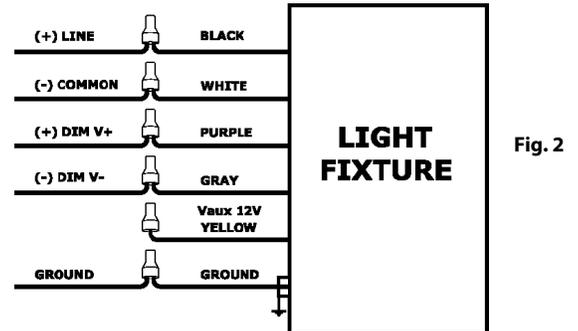
**rabweb.com**  
Visit our website for product info

**email**  
Answered promptly [sales@rabweb.com](mailto:sales@rabweb.com)

## 0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. For 0-10V Dimming, follow the wiring directions as in fig. 2.

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.



# ALED® WPLED® ARM WITH WATTSTOPPER SENSOR



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## IMPORTANT

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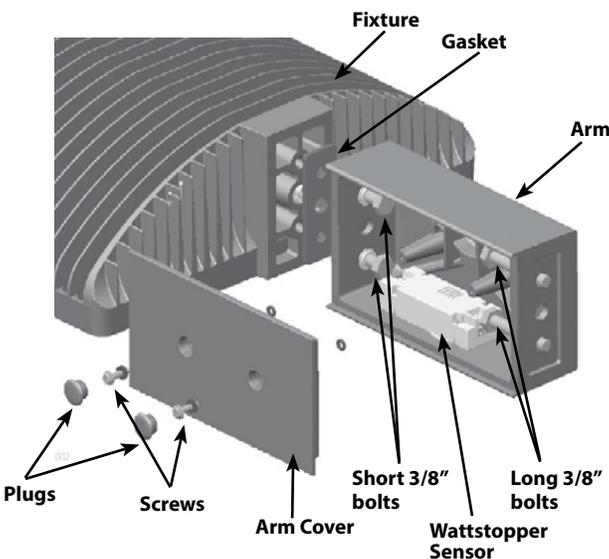
**WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.**

## MOUNTING ARM ON FIXTURE

1. Loosen bolts and remove **Arm**, if exists.
2. Remove the **Arm Cover** from the **Arm**.
3. Feed wires from **Fixture** through **Gasket** into **Arm**.
3. Line up **Arm** and **Fixture**. Place flat washers, lock washers and nuts on the **Short 3/8-16 bolts** inside the **Arm** and tighten securely to **Fixture**.

**WARNING: Orient Arm with Wattstopper Sensor facing down.**

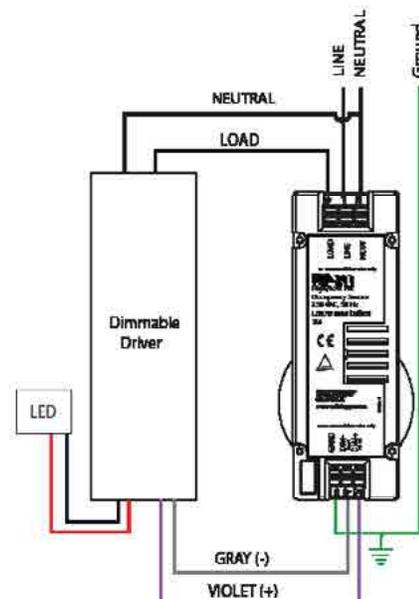
4. Make sure the **Gasket** is secure between **Arm** and **Fixture**.
5. Connect wires as shown in wiring diagram. Use appropriate UL approved wire connectors as required by code to complete wiring in **Arm** with **Wattstopper Sensor** and supply wires. Push all wires back into the **Arm**. Be careful not to pinch wires.  
**WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**
6. Follow directions on ALED/WPLED instruction sheet to secure the fixture to a pole or wall.



## 0-10V DIMMABLE WIRING WITH WATTSTOPPER SENSOR

Universal voltage driver and Wattstopper Sensor permits operation at 120V thru 277V, 50 or 60 Hz. For 0-10V Dimming with Wattstopper, follow the wiring directions.

1. Connect the black fixture lead to the LOAD of Wattstopper Sensor.
2. Connect LINE of Wattstopper Sensor to LINE supply lead.
3. Connect the white fixture lead and NEUTRAL of Wattstopper Sensor to the COMMON supply lead.
4. Connect the GROUND wire from fixture and Wattstopper Sensor to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
5. Connect the purple fixture lead to DIM + of Wattstopper Sensor.
6. Connect the gray fixture lead to the DIM - of Wattstopper Sensor lead.
7. Cap the yellow fixture lead, if present. Do NOT connect.



*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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