

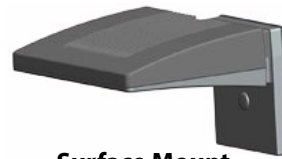
WPLED® 26W INSTALLATION INSTRUCTIONS

RAB
LIGHTING

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



Junction Box



Surface Mount

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

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.

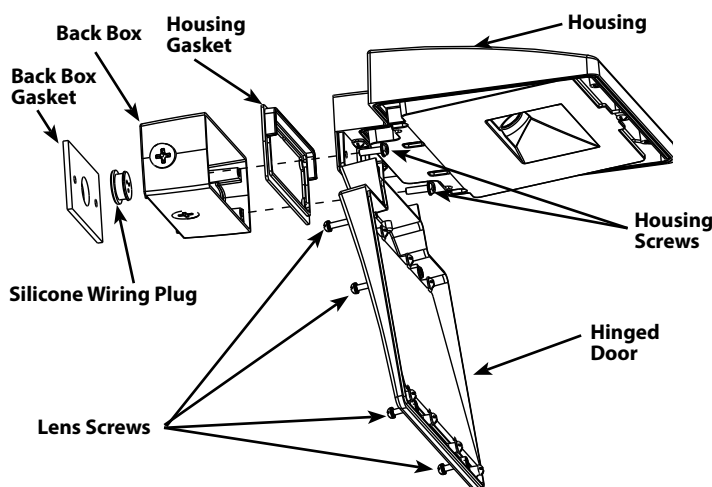
WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

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.

JUNCTION BOX MOUNT FOR CONDUIT

For use on applications where conduit wiring is needed.

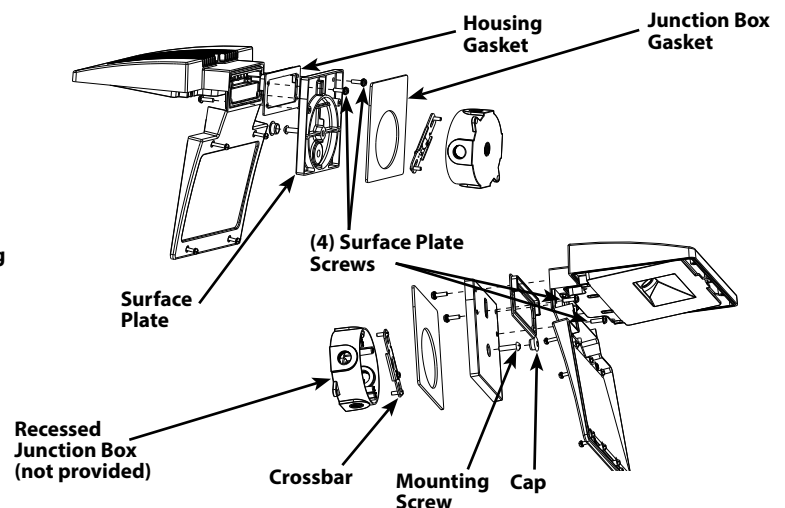
1. Loosen (4) **Lens Screws** and swing open **Hinged Door**. Screws will remain in place with O-Rings.
2. Loosen and remove (2) **Housing Screws**. Remove **Housing** from **Back Box**. Keep **Housing Gasket** intact for re-assembly.
3. Feed wires into **Back Box** through **Silicone Wiring Plug**, if not using conduit/ connectors.
4. Secure **Back Box** to the mounting surface using hardware appropriate for that mounting surface. Silicone around the edge of **Back Box Gasket** (self adhesive) and/ or junction box.
5. Wire the fixture using UL listed wire connectors according to NEC and local codes. Apply sealant to all unused conduit entry points.
6. Place **Gasket** between **Back Box** and **Housing**. Re-mount **Housing** to **Back Box**. Check **Housing Gasket** seal all around the **Back Box**.
7. Re-mount **Door** to **Housing**. Tighten (4) **Lens Screws**. Check door gasket (not shown) seal.
8. Fixture is UL Listed for down and up lighting and may be mounted in either position. Fixture may not melt heavy snow accumulation in an upright position.



SURFACE MOUNT FOR RECESSED JUNCTION BOX

For use with recessed junction box and wiring.

1. Mount **Surface Plate** to fixture with (4) **Surface Plate Screws**. There are two screws from the front and two screws from the back. Make sure **Housing Gasket** makes complete seal all the way around.
2. Use supplied crossbar. Mount **Crossbar** to recessed junction box with (2) screws.
3. Place **Junction Box Gasket** on back of the fixture. Gasket should create seal against mounting surface.
4. Wire fixture to supply wires in recessed junction box according to wiring section.
5. Use 1/4 x 20 stainless steel **Mounting Screw** to attach fixture to Crossbar. Tighten **Mounting Screw**.
6. Cover screw with **Cap**, provided.
7. Fixture is UL Listed for down and up lighting and may be mounted in either position. Fixture may not melt heavy snow accumulation in an upright position.



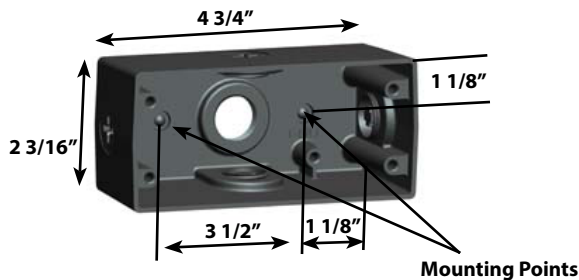
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JUNCTION BOX

1. The Junction box has (4) conduit entry points on the center of each side and (1) in the center back.
2. **Mounting Points** are dimensioned below.



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 fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?
3. Be sure the photocell, if used, is functioning properly.

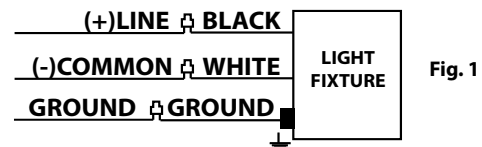
PATENTS: US: pat. D634,878, **CN:** ZL201030679778.2

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.

ON-OFF WIRING

Universal voltage driver permits operation at 100V to 277VAC, 50 or 60Hz except fixtures factory ordered with a 120V photocell (/PC) and 277V photocell (/PC2). For Non-Dimming, follow the wiring directions as in fig. 1.

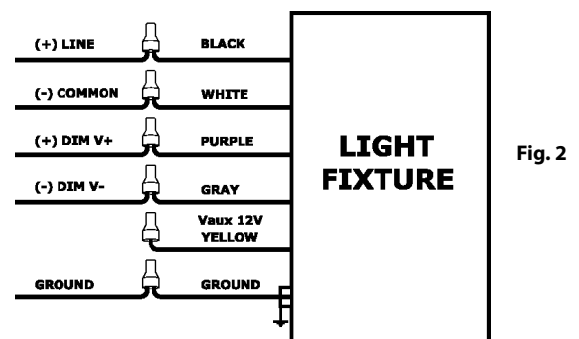
1. For Junction Box Mount, feed wires through silicone wiring plug into the junction box.
2. Connect the black fixture lead to the (+) LINE supply lead.
3. Connect the white fixture lead to the (-) COMMON supply lead.
4. Connect the bare copper Ground wire from fixture to supply ground.



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. For Junction Box Mount, feed wires through silicone wiring plug into the junction box.
2. Connect the black fixture lead to the (+) 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 gray fixture lead to the (V-) DIM lead.
7. Cap the yellow fixture lead, if present. Do NOT connect.



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Northvale, New Jersey 07647 USA
WPLED26-IN 1213

Easy Installation & Product Help

Tech Help Line
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email
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WPLED[®] 18W-26W WITH EMERGENCY BATTERY INSTALLATION INSTRUCTIONS

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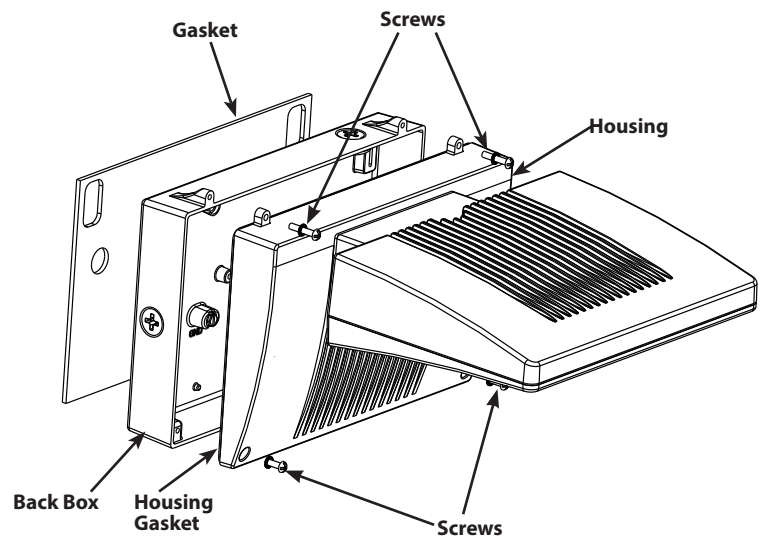
WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

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

CAUTION: Suitable for Wet Locations as Downlight and Wall Mount only.

1. Loosen and remove (4) **Screws** and separate **Back Box** from Emergency Housing. Use provided tether.
2. Drill necessary holes on **Back Box**. Measurements of drill positions are shown below.
3. Match the hole pattern and place the **Gasket** on the **Back Box**.
4. Secure the **Back Box** on the surface with hardware appropriate for the mounting surface.
5. Wire the fixture to the incoming supply wires according to NEC and local codes. Use UL listed wire connectors.
6. For WPLED*/E and WPLED*/EC wiring details refer to the appropriate Wiring Diagram section supplied Instruction Sheet.
7. Connect the battery connectors. DO NOT connect the **Batteries** before wiring the fixture to the supply.
8. Secure **Housing** to **Back Box**. Check **Housing Gasket** seal all around.
9. Apply sealant to all unused conduit entry points. To ensure weatherproof seal, apply weatherproof silicone sealant around the edge where the fixture meets the wall.



Two connectors for WPLED18/EC
OR WPLED26/EC

WPLED[®] 18W-26W WITH EMERGENCY BATTERY INSTALLATION INSTRUCTIONS

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EMERGENCY BATTERY WIRING

CAUTION: THIS IS AN EMERGENCY BATTERY BACKUP FIXTURE. Voltage could be present in Battery. To prevent high voltage from being present on output leads, inverter connector must be open. Do not join inverter connector until installation is complete and AC power is supplied to the emergency ballast.

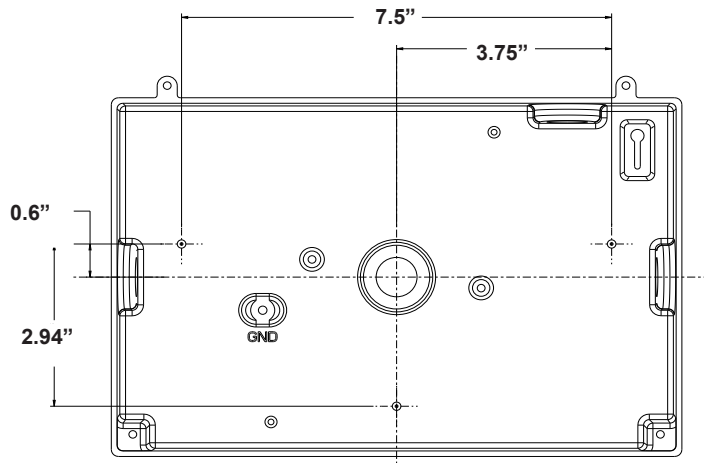
NOTE: Make sure that the necessary branch circuit wiring is available. An unswitched AC source of power is required. The emergency ballast must be fed from the same branch circuit as the AC ballast.

Do not use any supply voltage other than those specified below.

WPLED18 OR WPLED26 120V-277V, 50/60Hz

1. Connect the **UNSWITCHED** black fixture lead to the **HOT** supply lead.
2. Connect switched and unswitched black leads together, if not using a switching method.
3. If switching, connect **SWITCHED** black lead to a switch.
4. Connect the **COMMON** fixture lead to the **COMMON** supply lead.
5. For 0-10V Dimming, connect **DIM (+)** purple lead and **DIM (-)** gray lead to 0-10V dimmer.
6. Connect the **GROUND** wire from fixture to supply ground. Do NOT connect the **GROUND** of the dimming to the output.
7. All unused leads must be capped and insulated.
8. After installation is complete, supply AC power to the emergency ballast and join the inverter connector.
9. At this point, power should be connected to both the AC ballast and the emergency ballast, and the Charging Indicator Light should illuminate indicating the battery is charging.
10. A short-term discharge test may be conducted after the emergency ballast has been charging for one hour. Charge for 24 hours before conducting a long-term discharge test. Refer to OPERATION.

DRILL TEMPLATE



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

US: Pat. D643,147; CN: ZL201130171304.1; MX: 39260; TW: D159371; CA: Patent Pending.

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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Northvale, New Jersey 07647 USA
WPLED18-26/E2-IN 0517

Easy Answers

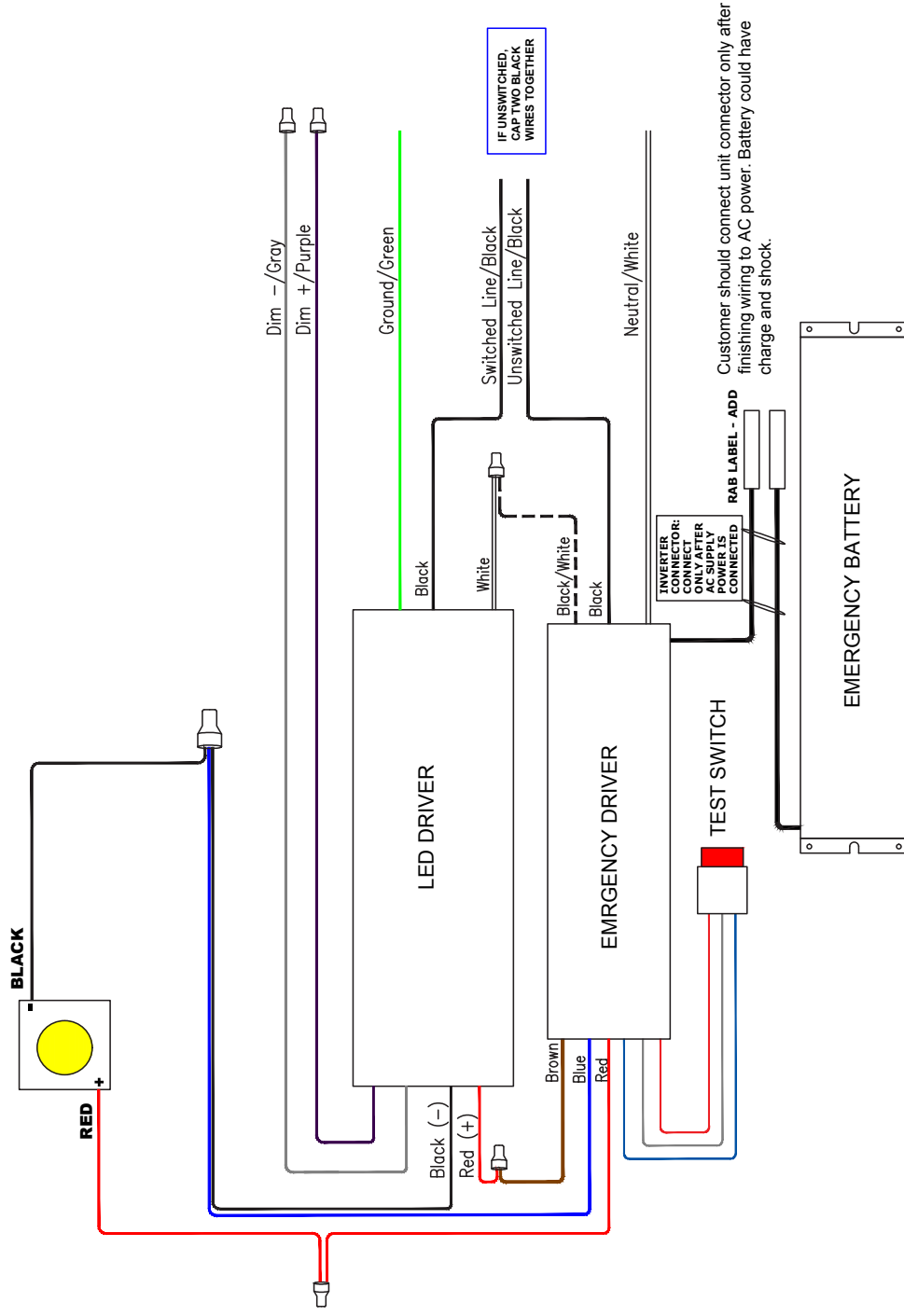
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Tech Help Line
Call our experts - 888 722-1000

e-mail
Answered promptly - sales@rabweb.com

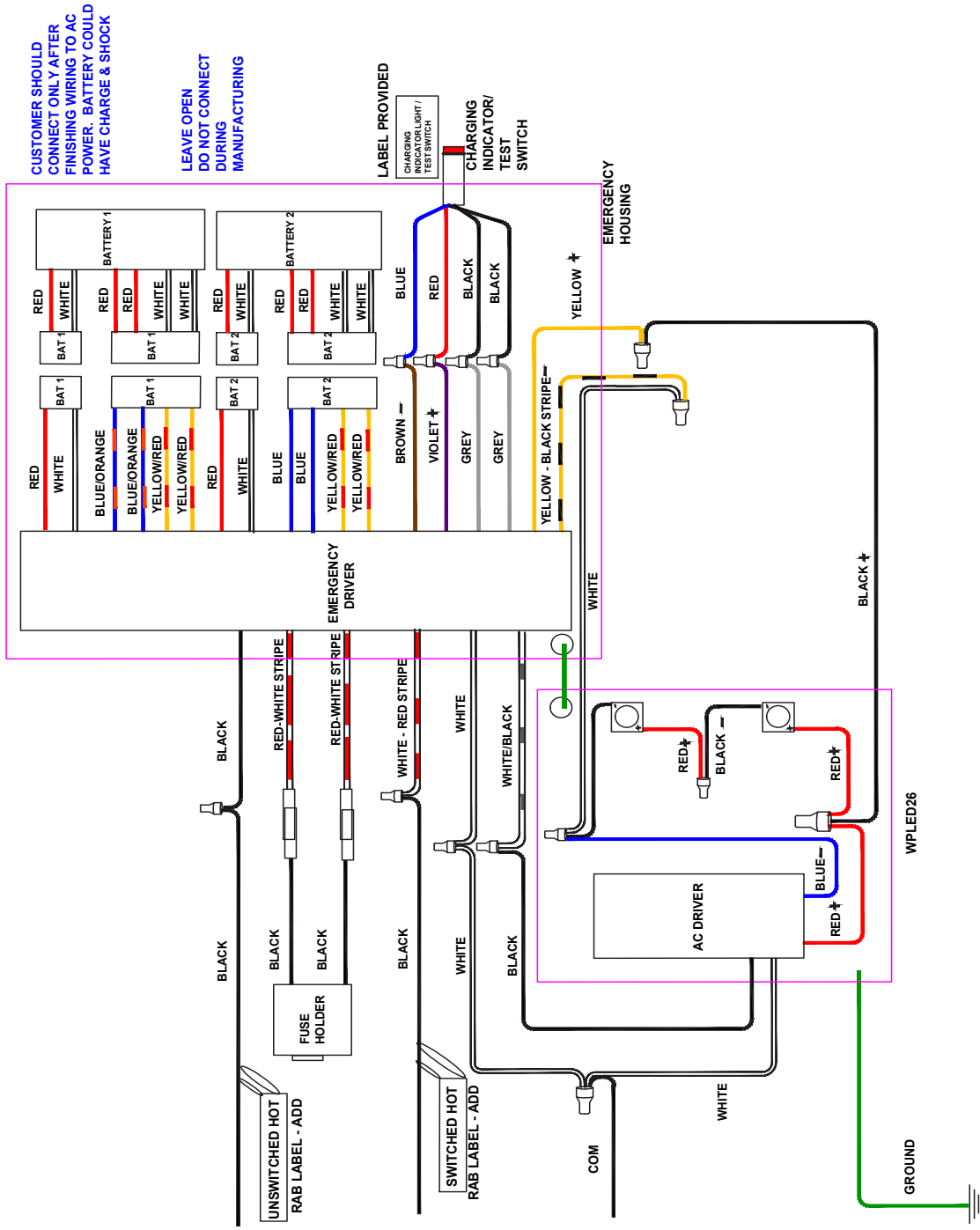
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WPLED18/E and WPLED26/E WIRING DIAGRAM (Refer to next page for WPLED*/EC wiring diagram)

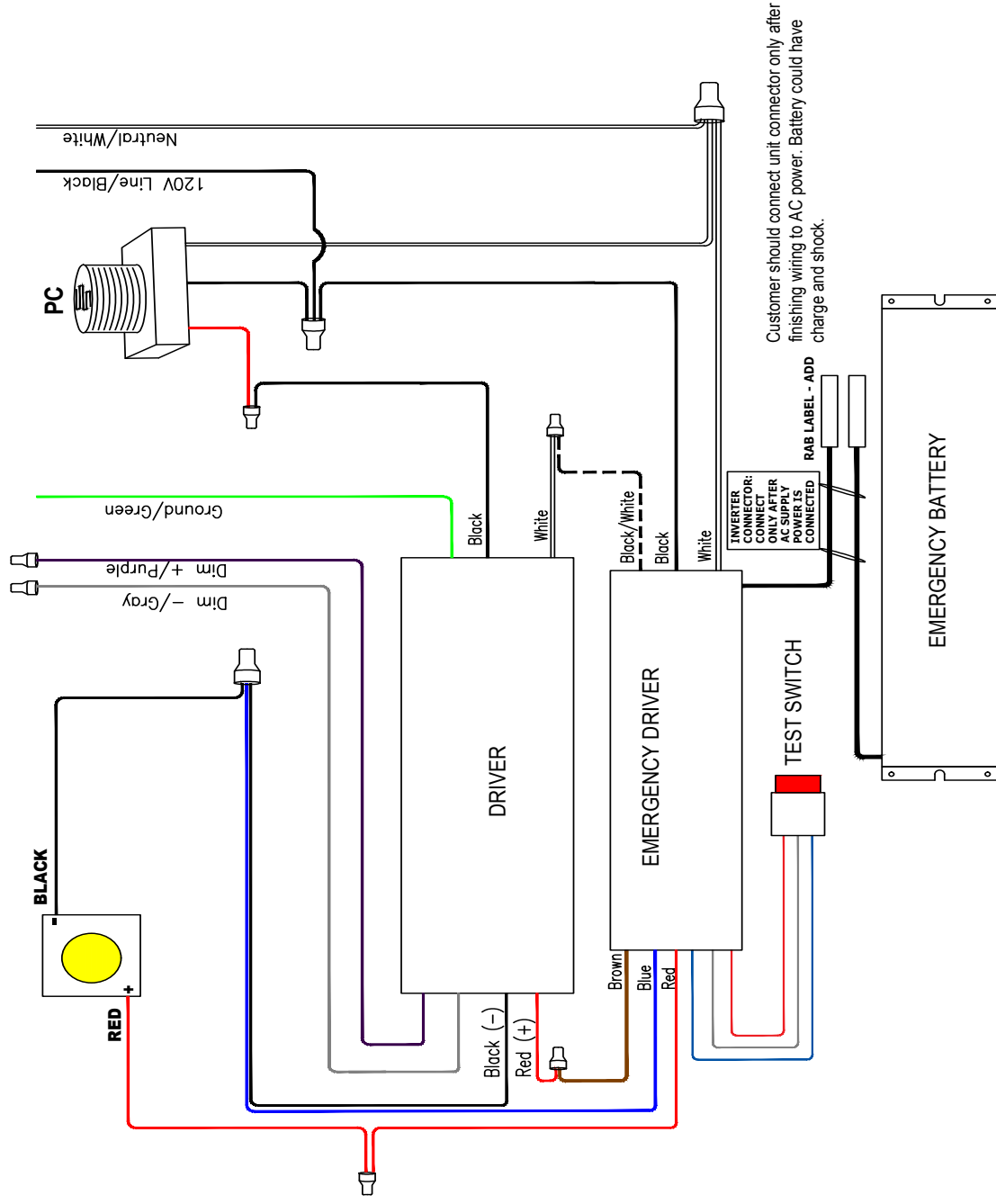


Customer should connect unit connector only after finishing wiring to AC power. Battery could have charge and shock.

WPLED18/EC OR WPLED26/EC WIRING DIAGRAM



WPLED18/EC OR WPLED26/E WITH PC WIRING DIAGRAM (wiring diagram)



WPLED® 26W DC INSTALLATION INSTRUCTIONS

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Junction Box



Surface Mount

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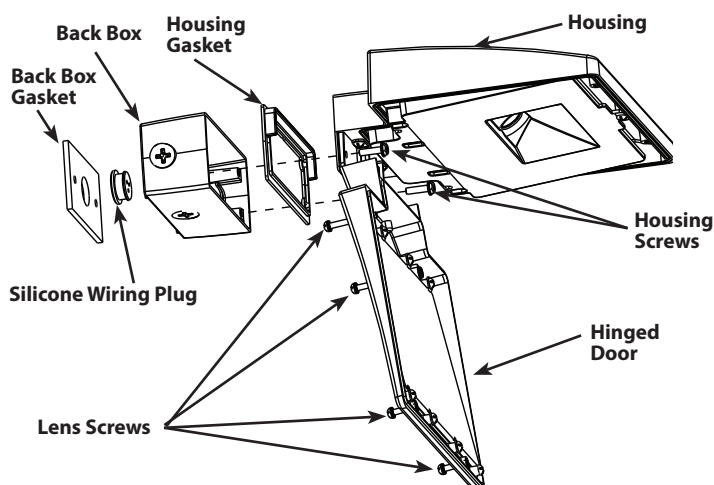
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JUNCTION BOX MOUNT FOR CONDUIT

For use on applications where conduit wiring is needed.

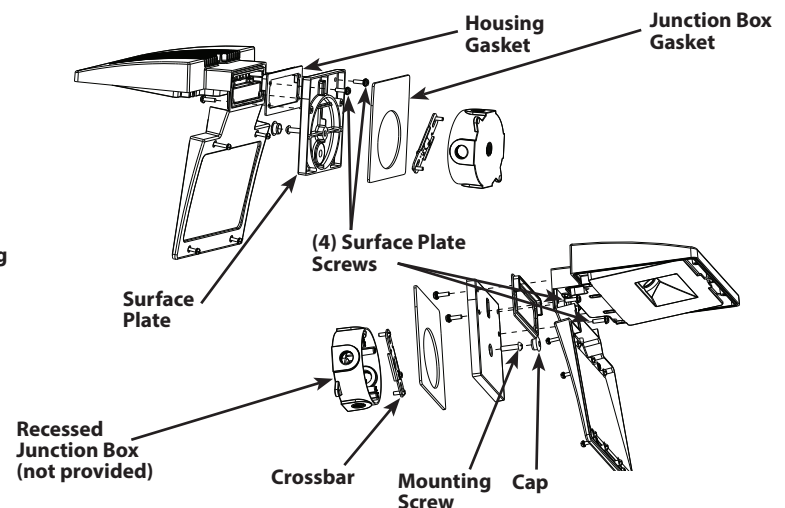
1. Loosen (4) **Lens Screws** and swing open **Hinged Door**. Screws will remain in place with O-Rings.
2. Loosen and remove (2) **Housing Screws**. Remove **Housing** from **Back Box**. Keep **Housing Gasket** intact for re-assembly.
3. Feed wires into **Back Box** through **Silicone Wiring Plug**, if not using conduit/ connectors.
4. Secure **Back Box** to the mounting surface using hardware appropriate for that mounting surface. Silicone around the edge of **Back Box Gasket** (self adhesive) and/ or junction box.
5. Wire the fixture using UL listed wire connectors according to NEC and local codes. Apply sealant to all unused conduit entry points.
6. Place **Gasket** between **Back Box** and **Housing**. Re-mount **Housing** to **Back Box**. Check **Housing Gasket** seal all around the **Back Box**.
7. Re-mount **Door** to **Housing**. Tighten (4) **Lens Screws**. Check door gasket (not shown) seal.
8. Fixture is UL Listed for down and up lighting and may be mounted in either position. Fixture may not melt heavy snow accumulation in an upright position.



SURFACE MOUNT FOR RECESSED JUNCTION BOX

For use with recessed junction box and wiring.

1. Mount **Surface Plate** to fixture with (4) **Surface Plate Screws**. There are two screws from the front and two screws from the back. Make sure **Housing Gasket** makes complete seal all the way around.
2. Use supplied crossbar. Mount **Crossbar** to recessed junction box with (2) screws.
3. Place **Junction Box Gasket** on back of the fixture. Gasket should create seal against mounting surface.
4. Wire fixture to supply wires in recessed junction box according to wiring section.
5. Use 1/4 x 20 stainless steel **Mounting Screw** to attach fixture to Crossbar. Tighten **Mounting Screw**.
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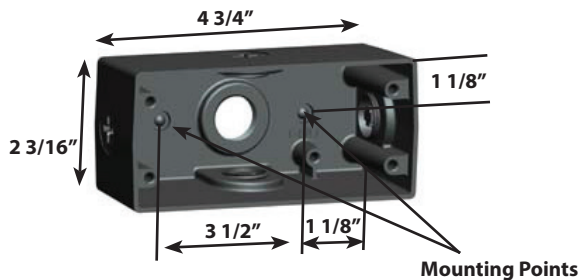
WPLED[®] 26W DC INSTALLATION INSTRUCTIONS



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TROUBLESHOOTING

1. Check that the line voltage at fixture is correct. Refer to wiring directions.
2. Is the fixture is grounded properly?
3. Be sure the photocell, if used, is functioning properly.

PATENTS: US: pat. D634,878, **CN:** ZL201030679778.2

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ON-OFF WIRING

Universal DC voltage driver permits operation at 10VDC to 30VDC.

1. For Junction Box Mount, feed wires through silicone wiring plug into the junction box.
2. Connect the WHITE fixture lead to the (+) supply lead.
3. Connect the BLACK fixture lead to the (-) supply lead.
4. Connect the bare copper Ground wire from fixture to supply ground.

