INSTRUCTIONS

SLIM® 22 FIELD-ADJUSTABLE 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

SLIM22-S

SLIM22-M

SLIM22-L

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 the 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 between mounting surface and back housing. This is especially important with an uneven wall surface. Silicone all plugs and unused conduit entries.

Suitable for wet locations.

Suitable for operation in ambient not exceeding 40°C.

Min. 90°C supply conductors.

Wall mount only. Not suitable for uplighting.

MOUNTING

1. Release **Latches** *(2)* to remove **Housing Back Plate** (*Fig. 1)*.
2. Apply foam gasket *(provided)* to the external side of the **Housing Back Plate.** Feed supply wires through the **Center Plug** of the **Back Plate.** Install **Back Plate** to mounting surface using appropriate hardware *(Fig. 2, 3)*.
3. Re-install fixture onto **Back Plate** pivots and connect **Tether Cable** *(Fig. 4)*.
4. Connect the fixture wires to the supply wires making sure to use correct UL rated wire connectors as required by NEC to complete electrical splices and connections *(Fig. 8)*.
5. Close the fixture to the **Back Plate**. Insure wires are not pinched when closing and secure with **Latches** *(Fig. 5)*.

Fig. 1

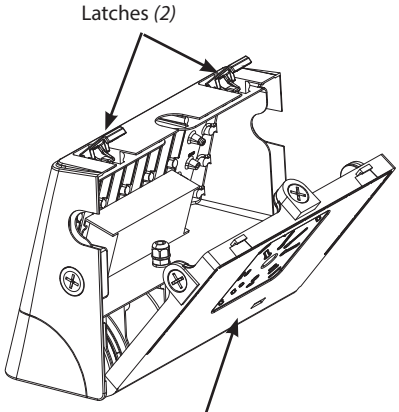

Fig. 2

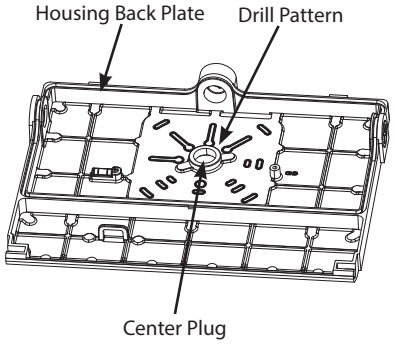

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Fig. 3

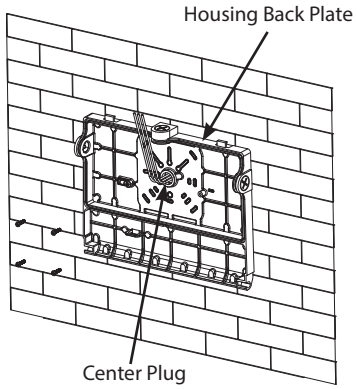


Fig. 4

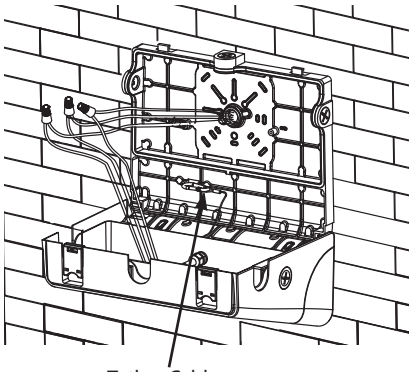
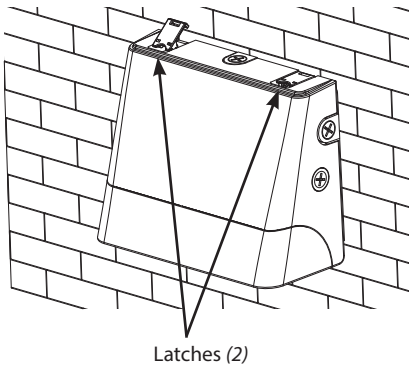


Fig. 5



FIELD ADJUSTMENT

Caution: Turn power off before changing any settings.

Photocell Operation:

This product is equipped with a photocell. Should you wish to disable this feature, slide the switch to the "Off" position. In addition to the standard photocell features, the fixture will not react to other light sources such as daylight. The fixture will not turn off. ***Allow 15 seconds for light to turn on/off when photocell is in "ON" position.***

Color Temperature *(CCT)* Selection:

This product is equipped with 3000, 4000 and 5000K CCT color temperature selection. For maximum light output use the 4000K Color Temperature.

Power *(Wattage)* Selection:

This product is equipped with Power *(W)* output selection.

SLIM22-S-30	30/25/20/15W
SLIM22-S-60	60/50/40/30W
SLIM22-M-100	100/85/70/50W
SLIM22-L-150	150/125/100/75W

Follow instructions below to change Photocell ON/OFF function, Color Temperature *(CCT)* and/or Power *(W)* from factory settings.

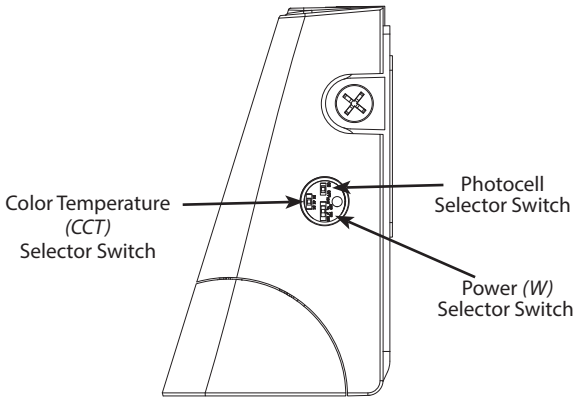
Factory Settings:

4000K CCT, Photocell/OFF

SLIM22-S-30	30W
SLIM22-S-60	60W
SLIM22-M-100	100W
SLIM22-L-150	150W

1. Locate the selector switches on side of housing as shown in Fig. 6.
2. Select Color Temperature *(CCT)*, Power *(W)* and or Photocell On/Off function by sliding the respective switch to the desired value *(Fig. 6)*.

Fig. 6



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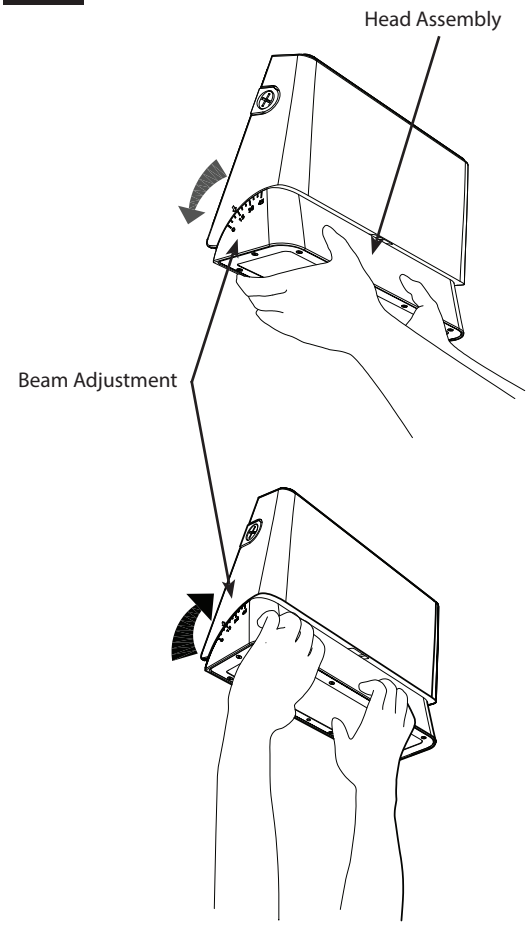
OPTIC ANGLE ADJUSTMENT

Follow instructions below to change fixture **Optic Angle**. Selectable options are 0°- 45° as shown in Fig. 7.

Factory Settings: 0°

1. Adjust/rotate the **Head Assembly** using your hands as shown in Fig. 7 to adjust **Beam** to the desired position.

Fig. 7



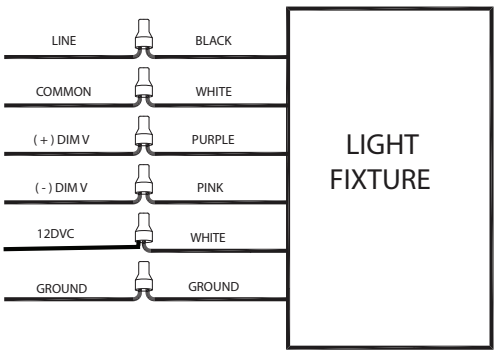
0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. For 0-10V dimming, follow the wiring directions as shown in Fig. 8.

Caution: Turn off electrical power at the fuse or circuit breaker box before wiring fixture to power supply.

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 Green wire from the fixture to supply Ground. DO NOT connect 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.

Fig. 8



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.

CLEANING

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.

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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BATTERY BACKUP MODELS

WIRING ***(SLIM22-S)***

CAUTION: FOR BATTERY BACKUP FIXTURE. Voltage can be present in **BATTERY**. To prevent high voltage from being present on the output leads inverter connector must be open. Do not join **Battery** connector until installation is complete.

NOTE: Make sure that the necessary branch circuit wiring is available. An **UNSWITCHED AC** source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver. Reference Fig. 9 for wiring diagram. **CAUTION:** Do not use any supply voltage other than 120-277V 50/60 HZ.

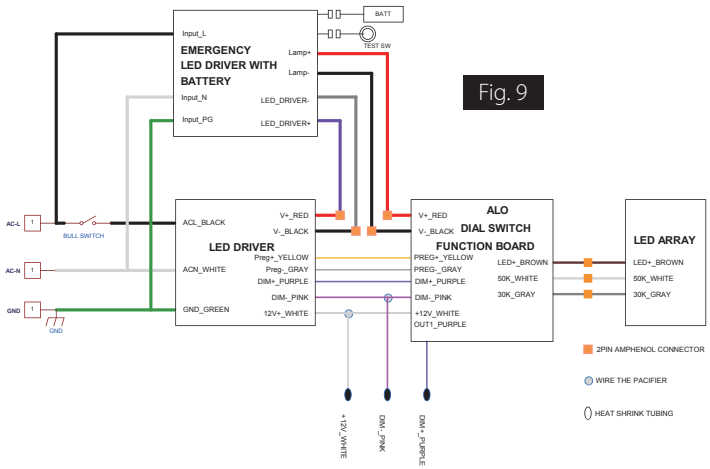


Fig. 9

OPERATION

1. When AC power is applied the charging indicator light is illuminated indicating that the **BATTERY** is being charged.
2. When power fails the standby power automatically switches to emergency power *(internal battery)* operating at reduced illumination. The emergency driver will operate in standby power for a minimum of 90 minutes.
3. When AC power is restored the emergency driver automatically returns to charging mode.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing the **Test Button** *(Fig. 10)*, check if battery is connected properly.

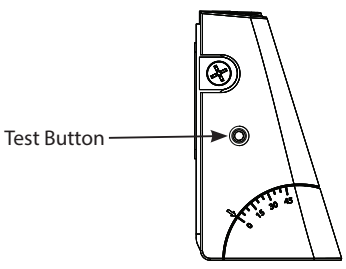
1. Connect **UNSWITCHED HOT** fixture lead to **HOT AC** supply line.
2. If using an **UNSWITCHED** circuit, connect **UNSWITCHED** and SWITCHED lines together.
3. If using a **SWITCHED** circuit, connect **SWITCHED HOT** lead to the switch.
4. For 0-10V dimming, connect **DIM (+)** purple and **DIM (-)** pink leads to 0-10V dimming connection.
5. All unused leads must be capped and insulated.
6. When power is on, the fixture should be ON and the **CHARGING INDICATOR LIGHT** should illuminate to indicate the battery is charging.
7. Once the **BATTERY** has charged for at least one hour a short duration test may be performed by pressing the **Test Button** *(Fig. 10)*.
8. After the battery has charged for 24 hours a long duration test can be performed by shutting power to the fixture.

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.
3. Conduct a 90-minute discharge test once a year. Fixture will operate at reduced illumination for a minimum of 90 minutes.

Fig: 10



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BATTERY BACKUP MODELS

WIRING *(SLIM22-M , SLIM22-L)*

CAUTION: FOR BATTERY BACKUP FIXTURE. Voltage can be present in **BATTERY**. To prevent high voltage from being present on the output leads inverter connector must be open. Do not join **Battery** connector until installation is complete.

NOTE: Make sure that the necessary branch circuit wiring is available. An **UNSWITCHED AC** source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver. Reference Fig.11 for wiring diagram. **CAUTION:** Do not use any supply voltage other than 120-277V 50/60 HZ.

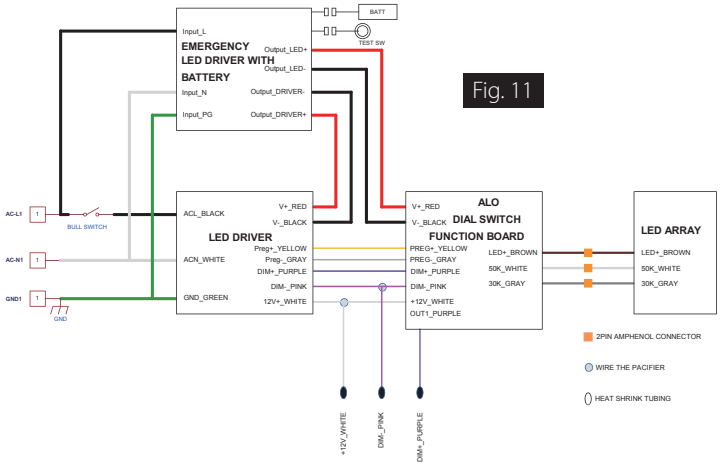

Fig. 11

OPERATION

1. When AC power is applied the charging indicator light is illuminated indicating that the **BATTERY** is being charged.
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3. When AC power is restored the emergency driver automatically returns to charging mode.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing the **Test Button** *(Fig. 12)*, check if battery is connected properly.

1. Connect **UNSWITCHED HOT** fixture lead to **HOT AC** supply line.
2. If using an **UNSWITCHED** circuit, connect **UNSWITCHED** and SWITCHED lines together.
3. If using a **SWITCHED** circuit, connect **SWITCHED HOT** lead to the switch.
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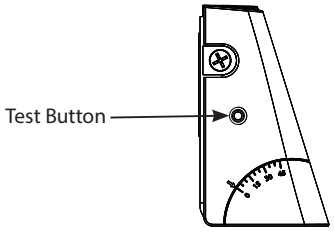
Fig: 12



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Free Lighting Layouts
Answered online or by request