

## RAB Lighting SR8

# RAB Lighting SR8 8 ft. LED Strip Fixture Instruction Manual

Model: SR8

## 1. PRODUCT OVERVIEW

The RAB SR8 is an 8-foot LED strip fixture designed for commercial lighting applications. This fixture features field-adjustable power settings (40W, 50W, 60W) and color temperatures (3500K, 4000K, 5000K), providing flexibility to suit various lighting needs. It is 0-10V dimmable and compatible with 120-277V electrical systems, offering efficient and versatile illumination.



**Figure 1.1:** Overview of the RAB SR8 8 ft. LED Strip Fixture. This image displays the full length of the white LED strip fixture, highlighting its sleek and linear design suitable for surface mounting in commercial environments.

## 2. SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the supply voltage is correct for the fixture (120-277V).

- Do not handle energized fixture with wet hands.
- Do not install near combustible materials.
- This fixture is intended for indoor use only.

### 3. SETUP AND INSTALLATION

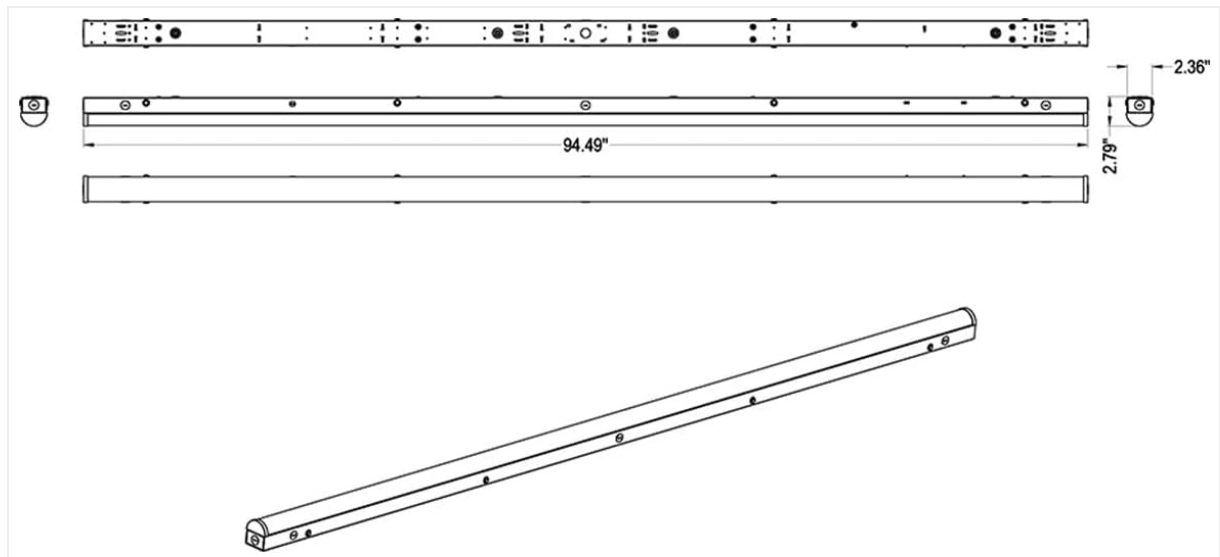
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#### 3.1. Pre-Installation

- Unpack the fixture and inspect for any damage.
- Ensure all necessary components are present (LED Fixture).
- Turn off power at the circuit breaker before beginning installation.

#### 3.2. Mounting the Fixture

The SR8 fixture is designed for surface mounting. Refer to the dimensional drawing for precise measurements and mounting hole locations.

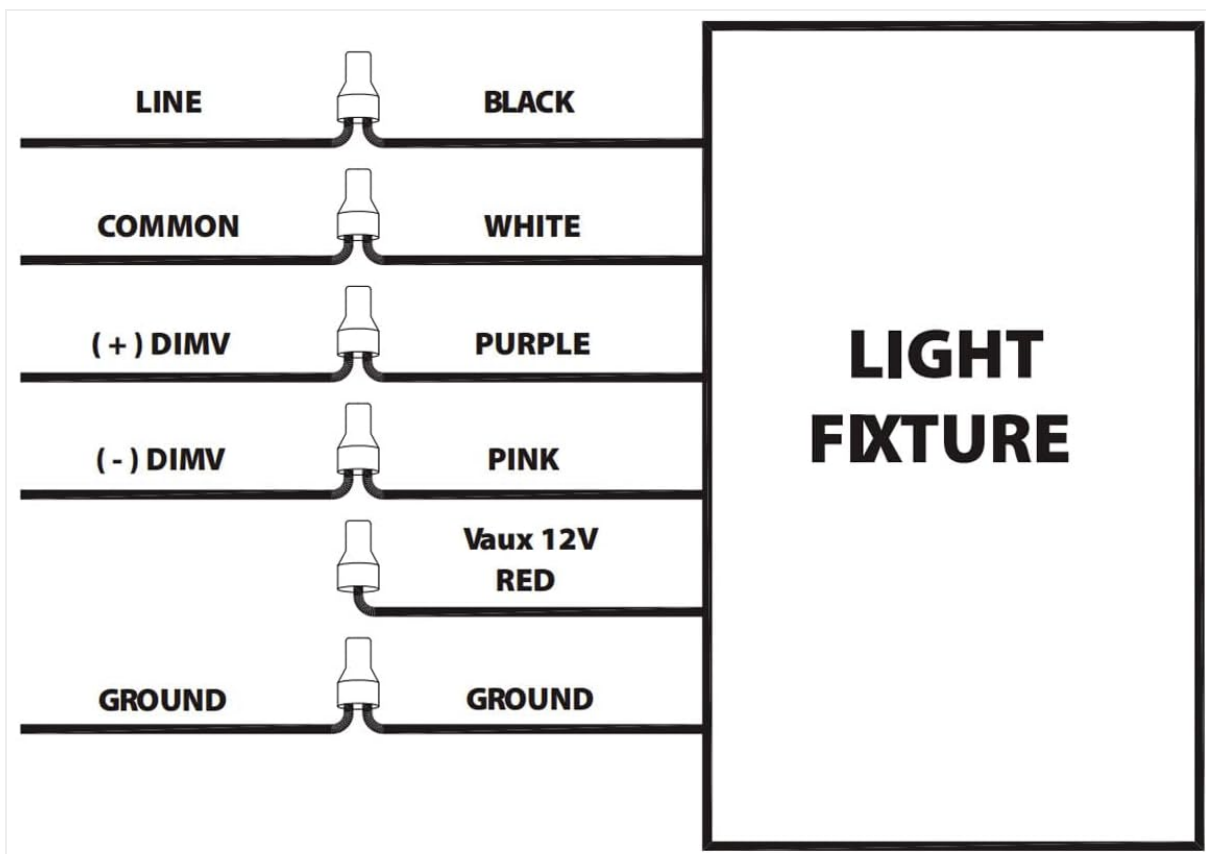


**Figure 3.1:** Dimensional drawing of the RAB SR8 fixture. This diagram illustrates the length (94.49 inches), width (2.36 inches), and height (2.79 inches) of the fixture, along with potential mounting points.

1. Mark the desired mounting locations on the ceiling or wall, ensuring they align with the fixture's mounting points.
2. Drill appropriate holes for mounting screws (not included).
3. Secure the fixture to the mounting surface using suitable hardware.

#### 3.3. Electrical Wiring

Connect the fixture to the electrical supply according to the wiring diagram below. Ensure all connections are secure and comply with local electrical codes.

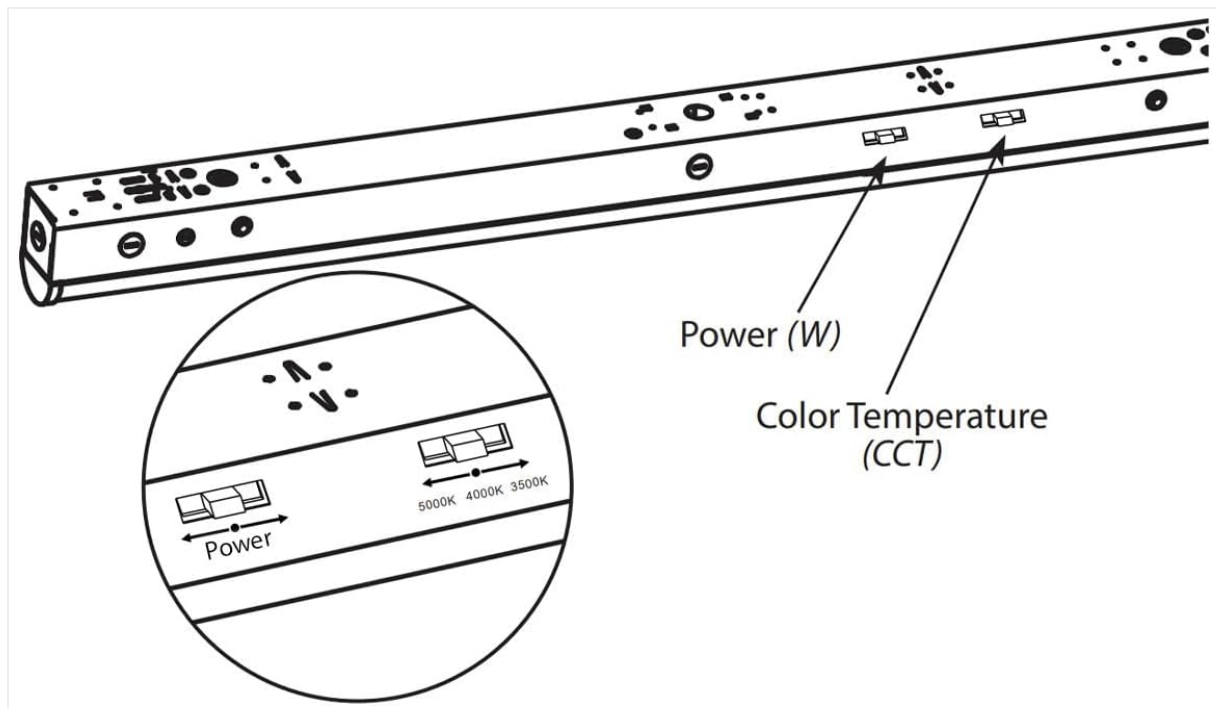


**Figure 3.2:** Wiring diagram for the RAB SR8 LED Strip Fixture. This diagram shows the connections for Line (Black), Common (White), (+) DIMV (Purple), (-) DIMV (Pink), Vaux 12V (Red), and Ground (Ground) to the light fixture.

- Connect the black wire from the fixture to the LINE (hot) wire from the supply.
- Connect the white wire from the fixture to the COMMON (neutral) wire from the supply.
- Connect the green or bare copper wire from the fixture to the GROUND wire from the supply.
- For 0-10V dimming, connect the purple wire to (+) DIMV and the pink wire to (-) DIMV from the dimming control. If dimming is not used, cap these wires individually.
- Ensure all wire nuts or connectors are tightened securely.

## 4. OPERATING INSTRUCTIONS

The RAB SR8 fixture allows for field adjustment of both power output and color temperature to customize lighting performance.



**Figure 4.1:** Close-up view of the power (W) and color temperature (CCT) adjustment switches on the RAB SR8 fixture. This image shows the physical switches used to select desired wattage and Kelvin temperature settings.

#### 4.1. Power Adjustment (Wattage)

The fixture includes a switch to select the desired wattage output. This allows for optimization of brightness and energy consumption.

- Locate the "Power (W)" switch on the fixture.
- Select one of the following settings: **40W**, **50W**, or **60W**.
- Ensure power is disconnected before adjusting this switch.

#### 4.2. Color Temperature Adjustment (CCT)

The fixture also features a switch to select the desired color temperature, allowing you to choose between different light appearances.

- Locate the "Color Temperature (CCT)" switch on the fixture.
- Select one of the following settings: **3500K** (Neutral White), **4000K** (Cool White), or **5000K** (Daylight).
- Ensure power is disconnected before adjusting this switch.

#### 4.3. Dimmable Functionality

The SR8 fixture supports 0-10V dimming. When connected to a compatible 0-10V dimmer, the light intensity can be adjusted from 100% down to 10% (or lower, depending on dimmer specifications).

- Ensure the fixture is correctly wired for 0-10V dimming as per Section 3.3.
- Use a compatible 0-10V dimmer switch (sold separately) to control the light output.

### 5. MAINTENANCE

The RAB SR8 LED Strip Fixture requires minimal maintenance. Regular cleaning can help maintain optimal performance and appearance.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the exterior of the fixture. Do not use abrasive cleaners or solvents.

- **LEDs:** The integrated LED light source is designed for long life and does not require replacement.

## 6. TROUBLESHOOTING

If the fixture is not operating as expected, refer to the following common issues and solutions:

| Problem                                | Possible Cause                                    | Solution                                                                                                                                                                                |
|----------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fixture does not light up.             | No power supply; incorrect wiring; faulty switch. | Check circuit breaker and wall switch.<br>Verify all electrical connections are secure (refer to Section 3.3).<br>Ensure the fixture's internal switches (power/CCT) are set correctly. |
| Light output is too dim or too bright. | Incorrect power setting; dimmer malfunction.      | Adjust the power (wattage) switch on the fixture (refer to Section 4.1).<br>If using a dimmer, check its functionality and wiring.                                                      |
| Color temperature is not as expected.  | Incorrect CCT setting.                            | Adjust the color temperature (CCT) switch on the fixture (refer to Section 4.2).                                                                                                        |

If troubleshooting steps do not resolve the issue, contact RAB Lighting customer support.

## 7. SPECIFICATIONS

|                      |                                 |
|----------------------|---------------------------------|
| Brand                | RAB Lighting                    |
| Model Number         | SR8                             |
| Product Dimensions   | 94.49" L x 2.36" W x 2.79" H    |
| Item Weight          | 6.98 pounds                     |
| Wattage              | Adjustable: 40W, 50W, 60W       |
| Brightness           | Up to 8986 Lumens (at 60W)      |
| Color Temperature    | Adjustable: 3500K, 4000K, 5000K |
| Voltage              | 120-277 Volts                   |
| Dimmability          | 0-10V Dimmable                  |
| Mounting Type        | Surface Mount                   |
| Material             | Metal                           |
| Light Source Type    | LED                             |
| Certifications       | DLC, RoHS, UL Listed            |
| Indoor/Outdoor Usage | Indoor                          |

## 8. WARRANTY INFORMATION

The RAB SR8 LED Strip Fixture comes with a Limited Warranty. For detailed information regarding warranty

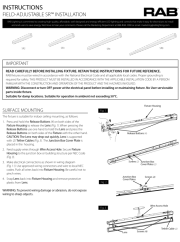

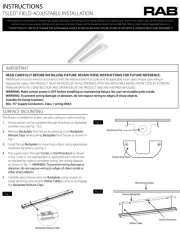
terms, conditions, and duration, please refer to the official RAB Lighting website or contact their customer service directly. Keep your proof of purchase for warranty claims.


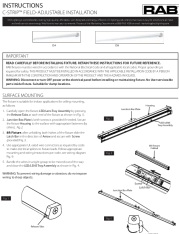
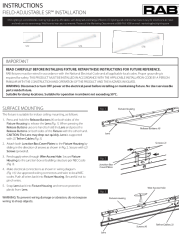
## 9. CUSTOMER SUPPORT

For technical assistance, replacement parts, or any questions not covered in this manual, please contact RAB Lighting customer support:

- **Website:** [www.rablighting.com](http://www.rablighting.com)
- Refer to the website for current contact information, including phone numbers and email support.

### Related Documents - SR8

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|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p><a href="#">Field-Adjustable SR™ Installation Instructions   RAB Lighting</a></p> <p>Comprehensive installation guide for RAB Lighting's Field-Adjustable SR™ LED strip lights, covering surface mounting, V-hook/chain mounting, continuous run configurations, field adjustments, and battery backup options.</p>       |
|  | <p><a href="#">RAB BOA Field-Adjustable Linear Lighting Spec Sheet</a></p> <p>Detailed specifications and performance data for the RAB BOA Field-Adjustable Linear Lighting system, including wattage, lumens, efficacy, CRI, and various configuration options.</p>                                                         |
|  | <p><a href="#">TSLED™ Field-Adjustable LED Installation Instructions   RAB Lighting</a></p> <p>Comprehensive installation guide for RAB Lighting's TSLED™ Field-Adjustable LED fixtures, covering surface mounting, V-hook mounting, field adjustments, wiring, Lightcloud® Blue integration, and battery backup models.</p> |

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|  <p><b>INSTRUCTIONS</b><br/>A17 XFU FIELD ADJUSTABLE AREA LIGHT INSTALLATION</p> <p><b>SAFETY:</b><br/>READ CAREFULLY AND FOLLOW ALL SAFETY PRECAUTIONS. ALWAYS WEAR SAFETY GLASSES AND PROTECTIVE GLOVES. ALWAYS USE PROPER LIFTING TECHNIQUES. ALWAYS USE PROPER WIRING TECHNIQUES. ALWAYS USE PROPER MOUNTING TECHNIQUES. ALWAYS USE PROPER ADJUSTMENT TECHNIQUES. ALWAYS USE PROPER DIMMING TECHNIQUES. ALWAYS USE PROPER BATTERY BACKUP TECHNIQUES.</p> <p><b>GENERAL INFORMATION:</b><br/>1. Read the entire manual before installation.<br/>2. Verify the mounting surface is suitable for the fixture.<br/>3. Verify the mounting surface is clean and dry.<br/>4. Verify the mounting surface is free of obstructions.<br/>5. Verify the mounting surface is free of electrical wiring.<br/>6. Verify the mounting surface is free of other fixtures.<br/>7. Verify the mounting surface is free of other equipment.<br/>8. Verify the mounting surface is free of other hazards.</p> <p><b>INSTALLATION:</b><br/>1. Mark the mounting location.<br/>2. Drill the mounting holes.<br/>3. Install the mounting bracket.<br/>4. Install the fixture.<br/>5. Adjust the fixture.<br/>6. Test the fixture.</p>     | <p><a href="#">RAB A17 XFU Field Adjustable LED Area Light Installation Guide</a></p> <p>Comprehensive installation instructions for the RAB A17 XFU field adjustable LED area light. Learn how to mount the fixture, adjust CCT and power, and perform 0-10V dimming wiring. Includes safety precautions and maintenance tips.</p>                                                   |
|  <p><b>INSTRUCTIONS</b><br/>C-STRIP™ FIELD ADJUSTABLE LED LIGHTING INSTALLATION</p> <p><b>SAFETY:</b><br/>READ CAREFULLY AND FOLLOW ALL SAFETY PRECAUTIONS. ALWAYS WEAR SAFETY GLASSES AND PROTECTIVE GLOVES. ALWAYS USE PROPER LIFTING TECHNIQUES. ALWAYS USE PROPER WIRING TECHNIQUES. ALWAYS USE PROPER MOUNTING TECHNIQUES. ALWAYS USE PROPER ADJUSTMENT TECHNIQUES. ALWAYS USE PROPER DIMMING TECHNIQUES. ALWAYS USE PROPER BATTERY BACKUP TECHNIQUES.</p> <p><b>GENERAL INFORMATION:</b><br/>1. Read the entire manual before installation.<br/>2. Verify the mounting surface is suitable for the fixture.<br/>3. Verify the mounting surface is clean and dry.<br/>4. Verify the mounting surface is free of obstructions.<br/>5. Verify the mounting surface is free of electrical wiring.<br/>6. Verify the mounting surface is free of other fixtures.<br/>7. Verify the mounting surface is free of other equipment.<br/>8. Verify the mounting surface is free of other hazards.</p> <p><b>INSTALLATION:</b><br/>1. Mark the mounting location.<br/>2. Drill the mounting holes.<br/>3. Install the mounting bracket.<br/>4. Install the fixture.<br/>5. Adjust the fixture.<br/>6. Test the fixture.</p> | <p><a href="#">RAB C-STRIP™ Field-Adjustable LED Lighting Installation Guide</a></p> <p>Comprehensive installation instructions for the RAB C-STRIP™ field-adjustable LED lighting fixture, covering surface mounting, V-hook mounting, field adjustments, MVS models, 0-10V dimming, and battery backup options.</p>                                                                 |
|  <p><b>INSTRUCTIONS</b><br/>FIELD ADJUSTABLE SR™ LED FIXTURE INSTALLATION</p> <p><b>SAFETY:</b><br/>READ CAREFULLY AND FOLLOW ALL SAFETY PRECAUTIONS. ALWAYS WEAR SAFETY GLASSES AND PROTECTIVE GLOVES. ALWAYS USE PROPER LIFTING TECHNIQUES. ALWAYS USE PROPER WIRING TECHNIQUES. ALWAYS USE PROPER MOUNTING TECHNIQUES. ALWAYS USE PROPER ADJUSTMENT TECHNIQUES. ALWAYS USE PROPER DIMMING TECHNIQUES. ALWAYS USE PROPER BATTERY BACKUP TECHNIQUES.</p> <p><b>GENERAL INFORMATION:</b><br/>1. Read the entire manual before installation.<br/>2. Verify the mounting surface is suitable for the fixture.<br/>3. Verify the mounting surface is clean and dry.<br/>4. Verify the mounting surface is free of obstructions.<br/>5. Verify the mounting surface is free of electrical wiring.<br/>6. Verify the mounting surface is free of other fixtures.<br/>7. Verify the mounting surface is free of other equipment.<br/>8. Verify the mounting surface is free of other hazards.</p> <p><b>INSTALLATION:</b><br/>1. Mark the mounting location.<br/>2. Drill the mounting holes.<br/>3. Install the mounting bracket.<br/>4. Install the fixture.<br/>5. Adjust the fixture.<br/>6. Test the fixture.</p>      | <p><a href="#">RAB Field-Adjustable SR™ LED Fixture Installation Instructions</a></p> <p>Comprehensive installation guide for RAB Lighting's Field-Adjustable SR™ series LED fixtures. Covers surface mounting, V-hook/chain mounting, continuous run configurations, field adjustments for power and CCT, 0-10V dimming, PIR/MVS sensor integration, and battery backup options.</p> |