Installation Instructions
TR3 LED Signals – Wayside 140mm (5.5”) - Transit Colorlight

BEFORE YOU BEGIN
Read these instructions completely and carefully.

WARNING / AVERTISSEMENT
Risk of Electric Shock. Disconnect Before Servicing or installing product. The LED module must be installed into a signal head with adequate ingress protection for the location (protection from the weather).

Operating Specifications:

<table>
<thead>
<tr>
<th></th>
<th>10 V Modules</th>
<th>120 V Modules</th>
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</thead>
<tbody>
<tr>
<td>Nominal Input Voltage</td>
<td>12V AC</td>
<td>110V AC</td>
</tr>
<tr>
<td></td>
<td>10V DC</td>
<td></td>
</tr>
<tr>
<td>Voltage Range:</td>
<td>8V to 16V AC</td>
<td>85V to 135V AC</td>
</tr>
<tr>
<td></td>
<td>8V to 16V DC</td>
<td></td>
</tr>
<tr>
<td>Nominal Power Consumption:</td>
<td>See product label</td>
<td>See product label</td>
</tr>
</tbody>
</table>

- Always use a sun shielding apparatus such as a visor or hood if installed outdoors.
- Do not attempt to open the LED module. No assembly is required.
- Relay flashers are the only approved means of flashing the LED signal.

Testing:
When testing the lamp before installation, first check the electrical characteristics on the label on the side of the lamp to avoid damaging the lamp.

Installation Steps:

NOTE: Failure to properly follow these instructions may cause signal to malfunction.

1. **Existing signal head in the field**: Remove lens and incandescent bulb assembly from housing.
2. **Existing in-line rheostat in the field**: Set rheostat (variable resistor) to zero (0) or remove completely.
3. **Voltage settings**: Check the label on the side of the LED module to ensure the voltage corresponds to the system voltage.
4. **Color-Coded Wiring**: The module wires have been color-coded to identify the color of the signal when it is off. For example, green signals have green wires.
5. **Alignment**: If the module has a sloped front lens, rotate the module until the thick part of the lens is on top, and the slope faces downward. If the module has a flat lens, no alignment is necessary.
6. **Fastening**: Tighten metal tabs or ring over module rim.

Prepare Electrical Wiring

Electrical Requirements
- Follow all National Electric Codes (NEC) and local codes.
Installation Instructions (cont’d)
TR3 LED Signals – Wayside 140mm (5.5’’) - Transit Colorlight

**CAUTION**

Risk of Electric Shock
Install unit in enclosure tested to be suitable for wet locations only.

TR3-xxFBx0x(-70AU)  TR3-xxFBx0xB-92  TR3-xxFBx0xA-80M4

A Wire color indicates LED signal color
B Ensure thick part of sloped lens is on top for best results
C Check label for required voltage

NOTE: If you prefer to have this Installation Instructions document in other languages, visit our official website at: [www.currentbyge.com/transportation](http://www.currentbyge.com/transportation)

GE recommends that primary and secondary surge protection be added additional to the tertiary surge protection in the lamp. Arema 11.3.3

This product is intended solely for the use of rail signaling and is not intended for use in any other application.