

Installation Instructions

RG6 LED Signals – 12" (300mm) – Railway Grade Crossing



BEFORE YOU BEGIN

Read these instructions completely and carefully.

Prepare Electrical Wiring



Electrical Requirements

- Follow all National Electric Codes (NEC) and local codes.

⚠ 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).

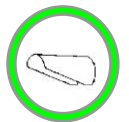
Risque de choc électrique. Couper l'alimentation avant le dépannage ou avant l'installation du produit.

Le module DEL doit être installé dans une tête de signal avec une protection adéquate d'entrée pour l'emplacement (protection contre les intempéries).

Operating Specifications:

	Type A (RG6-RTFB-48BVx-H7)	Type B (RG6-RTFB-48BVx-H7U)
Nominal Input Voltage:	12V	12V
Voltage Range:	8V to 16V AC 8V to 20V DC	8V to 14V AC 8V to 14V DC
Nominal Power Consumption:	12 Watts	18 Watts
Inrush Current:	16A for 100µs	<1A for 100µs
Controller Application:	Solid State Controllers	Relay-based and Solid State Controllers

- Always use a sun shielding apparatus such as a visor or hood over the signals.
- *Do not attempt to open the LED module. The unit is not repairable.*
- This product must always be installed in pairs as per MUCTD chapter 8C.



Visor / Hood

Testing before installation:

When testing the lamp before installation, first check the electrical characteristics on the label on the back of the lamp (see box "B" below) to avoid damaging the lamp.

- Always use a sun shielding apparatus such as a visor or hood over the signals.
- *Do not attempt to open the LED module. No assembly is required.*

Installation Instructions (cont'd)

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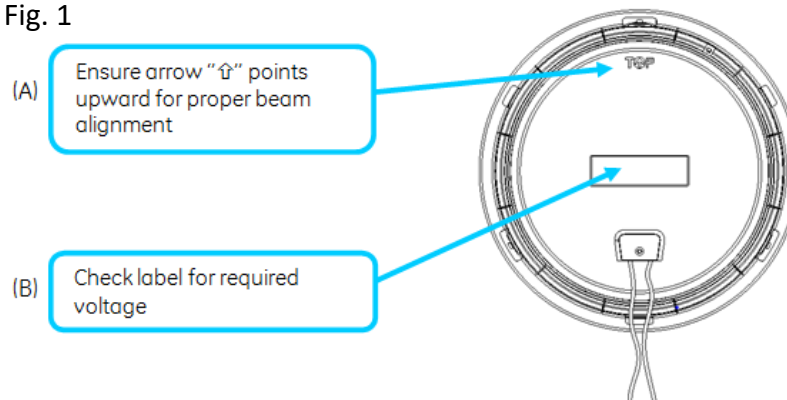
Installation Steps:

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

WARNING: Risk of electric shock. Install unit in enclosure tested to be suitable for wet conditions only.

1. Check label for required voltage (see Fig 1 (B)).
2. Remove the incandescent bulb, reflector and lens assembly from the housing.
3. Feed wires of the LED signal module through the conduit in the housing.
4. Insert the LED signal into the lens slot and rotate it until the arrow on the back of the module (A) is aligned with the top of the housing (see Fig 1 (A)).
5. Lock the LED signal module in place by tightening metal tabs over the rim of the module, or fastening a ring holder over the module, as applicable.
6. Connect the wires to the AAR terminals.

Fig. 1



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

NOTE: If you prefer to have this Installation Instructions document in **other languages**, visit our official website at:

www.currentbyge.com/transportation

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class [A] RFLD complies with the Canadian standard ICES-005. /CeDEFR de la classe [A] est conforme à la NMB-005 du Canada.

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