

# READ INSTRUCTIONS BEFORE USE!!!

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## CAST LED Bullet (CBLED141) & LED Tree Light (CTLED141)

### Operating Instructions

**CBLED141, CTLED141**

### SAVE THESE INSTRUCTIONS

#### Introduction

Congratulations on your purchase of the CAST LED Bullet or LED Tree Light. These LED fixtures represent the industry's most advanced and feature-filled LED's. For more product information and warranty details go to [www.cast-lighting.com](http://www.cast-lighting.com).

#### Orientation

The CAST LED Bullet (CBLED141) must be operated in an upward facing direction. The CAST LED Tree Light (CTLED141) may be operated in any orientation.

#### Operating the High/Low Switch

The LED module has two brightness settings (High/Low). For CBLED141: 391/290 lm; for CTLED141: 333/253 lm.

The toggle switch is located in a slot on the side of the module (near the bottom).

1. The fixture is shipped with the switch in the high (left side) position.
2. Remove the fixture shroud to access this switch. The module does not need to be removed. Use a flashlight to aid you in visually locating switch position.
3. A flat toothpick is included with each fixture. Use the wide flat end of this pick (or a flat-head eyeglass screwdriver) to gently move this switch from one side of the slot to the other.

**CAUTION:** Do not use a pointed tool (or excessive force) as this may damage the switch.

#### Changing the Optics

The module includes (3) removable lenses that can be kept or replaced to achieve (3) beam angles (12°, 21°, and 41°).

1. The fixture is shipped with 41° optics. Replacement optics are purchased separately.
2. Operation should be performed in a clean dry area. If necessary, remove the module from the fixture and bring it indoors.
3. Remove the fixture shroud to access the module.
4. Using a Torx (star-shaped) T-8 screwdriver, remove the (3) black screws from the center of the module top. Remove retainer ring.
5. Remove the (3) lenses. Do not allow dirt or debris to enter the module.
6. With clean hands, insert new lenses into openings and rotate each until they drop into the notched openings.
7. Replace retaining ring, rotating it until notches line up.
8. Replace screws. Do not over-tighten.

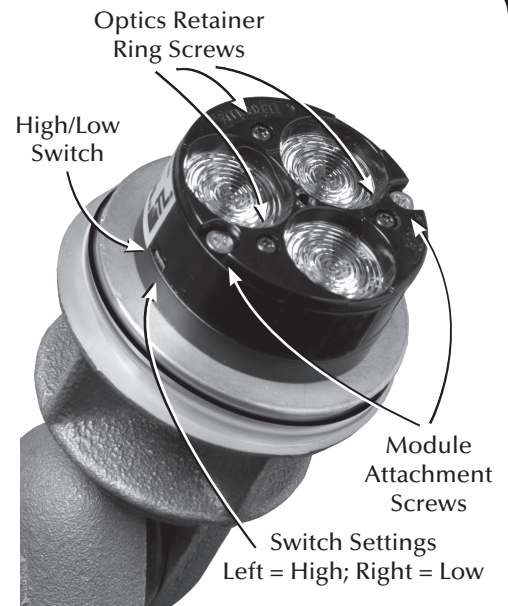
#### Removing or Replacing the Module

The module is held in place by (2) silver-colored screws near the outer edge of the module top. The module connects to an MR-16 socket in the fixture body.

1. Remove these screws using a phillips head screwdriver.
2. Pull module straight away from fixture. Do not twist or angle module.
3. To insert new module, line up pins with socket contacts and screws with screw holes. Firmly push module straight down until it is flush with fixture body. Replace screws. Do not over-tighten.

#### Certifications and Standards

UL 8750; CSA C22.2 No. 250.0-08; FCC Part 15, Class A; ICES-003; RoHS



Changing the Optics



#### Power Requirements (CBLED141)\*

**Supply power from a CAST Lighting magnetic transformer.**

For other compatible transformers and dimmers, go to specific product specification page at [www.cast-lighting.com](http://www.cast-lighting.com).

**Input Voltage Range:** AC: 9.6v-28.8v; DC: 12v-28v

**Wattage (High/Low):** at 12v AC: 10.0/6.7w; at 12v DC: 7.7/5.3w; at 24v AC: 10.4/7.6; at 24v DC: 7.6/5.4w

**Power Factor (High/Low):** High: at 12 or 24v AC: 0.92; Low: at 12v AC: 0.92; Low at 24v AC: 0.78

**Volt-Amperes** (use for calculating voltage loss, and wire and transformer sizing in AC systems) (High/Low):

- 12v: 10.9/7.3 volt-amps
- 24v: 11.3/ 9.7 volt-amps

\*Values for CTLED141 - Multiply above wattages and volt-amps by 0.66

Above power values apply to use with magnetic transformers. Electronic transformers result in increases up to 30% above these values. The module label reflects these potential increased values.

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