



CAST Amber (Turtle-Safe) LED Path Light Modules (CALED2A & CSWLED2A)

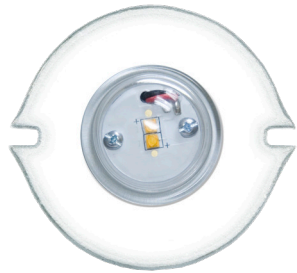
CAST LED Path Light Modules - Converts CAST Path Lights to Turtle-Safe LED's

The CAST Amber LED Path Light Modules are protected from all the forces that challenge LED survival:

- ▶ Moisture
- ▶ Heat
- ▶ Voltage surges
- ▶ Corrosion
- ▶ Early component failure



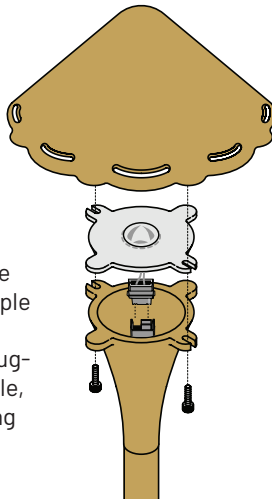
CALED2A
FWC Cert# 2015-014



CSWLED2A
FWC Cert# 2015-015



Installation of the module is as simple as removing the path light hat, plugging in the module, then re-attaching the hat.



Description:

These unique Amber LED modules are engineered to replace the incandescent lamps in all CAST Path Lights. The units are equipped with a plug that mates with the S8 Wedge-Base Sockets (or, in CSW module, connecting wires) used in these fixtures. The heavy-cast module bodies provides highly effective heat sinks to allow use of two amber Cree LED's.

Features:

- ▶ Integrated LED light source with superior moisture protection and thermal management.
- ▶ Low-lumen amber LED light source (585-595 nm) - does not disturb sea turtle behavior.
- ▶ Glare-free illumination.
- ▶ Accepts 10 - 24 volts AC or DC with near-equal luminance (within 5%) across the voltage range.
- ▶ Includes fully potted LED driver.
- ▶ Installs in seconds using existing S8 wedge-base socket or (for CSWLED2A) wire connections.
- ▶ Includes protection from voltage spikes and surges.
- ▶ Will not interfere with remote control devices - RFI filtering.

Uses:

Provides a highly energy efficient amber LED light source that projects a soft wide beam that will not disturb turtle habitats. Used in combination with all CAST path/area lights for full-cutoff distribution - dark-sky compliant.



Dimensions & Weight:

Body: 4.0" diameter; Weight: 1 lb.

LED Lamp Specifications:

- ▶ LED Light Source: Cree Amber LED with fully potted driver and robust heat management.
- ▶ Color: Amber (585-595 nm)
- ▶ Input Voltage: 10v to 24v AC or DC
- ▶ Input Power: 3.9 Watts; 0.85 pf
- ▶ LED Light output: 130 lm
- ▶ Fixture output: 50-75 lm (varies with path light type)
- ▶ Ambient Temperature Range: -40°C to 50°C
- ▶ Life (L70): 36,300 hrs.

- ▶ Current Regulation: Transient Voltage Suppressor (rated to 36V)
- ▶ EMI Filtering: Yes
- ▶ Reverse Polarity Protection: Yes, polarity independent
- ▶ Component Details: No electrolytic capacitors, all components rated for high ambient temperatures
- ▶ Emission Standards: FCC Class B Conducted and Radiated
- ▶ Environmental: RoHS
- ▶ UL 1838 listed

Construction:

Body: Sand-Cast Eurometal.

Plug: High-temperature S8 Wedge-Base plug with protective conductive grease