

SIMPLE. DURABLE. INNOVATIVE.

## CAST LED Tree Light (CTLED141) Product Information

Old world craftsmanship. . . tomorrow's technology™



### CAST LED Tree Light - 3 Beam Spreads & 2 Light Levels in a Single Fixture



High/Low  
switch changes  
light level from  
157 to 269  
lumens.

Module secured to fixture  
body for optimal heat  
management.  
LEDSense™ technology  
ensures temperature control.

Optics easily exchanged  
to allow 41°, 21°, and 12°  
beam spreads.

#### Description:

This LED fixture combines the rugged solid bronze and copper construction of the CAST Tree Light with the industry's most advanced LED module.

#### Features:

- ▶ Replaceable LED module (MR-16 size) thermally bonded to solid bronze body for optimal heat dissipation.
- ▶ Replaceable optics for 41° (included), 21°, and 12° (sold separately).
- ▶ LEDSense™ technology controls forward current to compensate for conditions of extreme ambient heat.
- ▶ Accepts input voltages between 10V and 24V AC for maximum system design flexibility.
- ▶ Automatic recognition and compensation for varied magnetic and electronic transformer types.
- ▶ Dimmable with standard low-voltage phase dimmers
- ▶ Warm white color temperature (2,720°K) and high color rendering index (81 CRI) that closely matches incandescent lighting.
- ▶ L70 of 60,500 hours.
- ▶ UL/CSA/RoHS recognized, FCC Class A Conducted and Radiated Emissions compliant.
- ▶ Solid Bronze Canopy Mount

#### Uses:

Provides a highly energy efficient LED light source that projects an evenly distributed beam with warm color temperature. Brightness and beam distribution are comparable to incandescent models of 15w and 25w. Fully rotatable extra-long shroud enables excellent glare control.

#### Dimensions & Weight:

Body and Shroud: 2.5" x 9" fully extended; Weight: 5 lb.

#### LED Specifications:

- ▶ LED Light Source: 3 warm white LED's.
- ▶ Color: 2,720°K; 81 CRI (typical)
- ▶ Input Voltage: 10V to 22V AC or DC
- ▶ Input Power (at 12V): Low setting (AC): 4.1 Watts; 0.93 pf
- ▶ Input Power (at 12V): High setting (AC): 5.86 Watts; 0.93 pf
- ▶ LED Output Fixture (High/Low) (at 12V): 269/157 lm
- ▶ Operating Temperature Range: -40° C to 55° C
- ▶ Life (L70): 60,500 hrs.
- ▶ Reverse Polarity Protection: Yes, polarity independent

- ▶ Component Details: No electrolytic capacitors in drive circuit, all components rated for high ambient temperatures
- ▶ Emission Standards: FCC Class A Conducted and Radiated
- ▶ UL recognized; RoHS compliant

#### Construction:

Body and Canopy Mount: Sand-cast solid bronze

Shroud: Thick-walled copper

Plug: High-temperature MR-16 plug with protective conductive grease

**Optional Optics:** (T-8 Torx Screwdriver Needed)

C10139: 21° Medium Optic (Set of 3)

C10003: 12° Narrow Optic (Set of 3)

Tree Mount Hardware Kit (CTREEH1) Not Included.