

CTL806 C

02 Mini Canopy Mount LED Luminaire

Specifications/Features

Fixture

High performance, small scale LED luminaire available in three (3) wattages:

10W (1100lm*)

14W (1400lm*)

20W (1800lm*)

*Lumen values are approximate, see page 3 for photometric test results.

Constructed of die-cast aluminum, the heat-sink and canopy housing provide a sleek modern look, designed to quietly compliment any space.

May be ceiling or wall mounted.

Dimming is available and allows smooth illumination down to 1% utilizing Lutron HiLume or Lutron EcoSystem driver option. For dimmer compatibility, refer to [Dimming Specifications sheet](#).

Lockable, precision aiming adjustment. 360°+ aiming horizontal rotation, 250° vertical rotation, 35° upward tilt (both directions).

Can accept up to (2) LF16 60MM lens or FA-16 60MM Black Honeycomb Louvers when used with the FA-43 Snoot / Accessory Holder, ordered separately.

Product weight: 1.5lbs.

Lamp/Electrical

Light engine consists of a single, high lumen output multi-chip LED array.

Available in the following color temperatures:

2700K; CRI 80 min., 83 Typical (High CRI 90+ available)

3000K; CRI 80 min., 83 Typical (High CRI 90+ available)

3500K; CRI 80 min., 83 Typical (High CRI 90+ available)

4000K; CRI 80 min., 83 Typical (High CRI 90+ available)

3000K; CRI 90+, Crisp White

The 3000K Crisp White LED delivers 90+ color rendering with additional violet wavelengths that enhance white visibility.

Excellent fixture-to-fixture color consistency within a 2-step MacAdam Ellipse tolerance.

Available in Spot (12°), Medium (28°) and Flood (39°) beam distributions.

Each molded TIR optic has been optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare.

System designed and rated for 50,000 hours at 70% lumen maintenance.

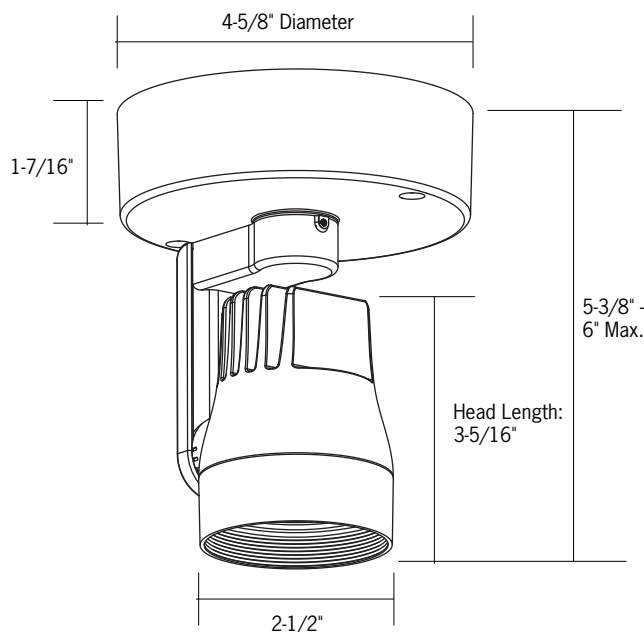
Warranty

This complete fixture is covered by ConTech's full five (5) year replacement guarantee after date of purchase.

Listing

cCSAus Certified to UL standards. Suitable for damp locations.

10W High CRI series certified to the high efficiency requirements of California T24.



| | 8061 | 8062 | 8063 |
|----------------------------------|-------------------------|---------|---------|
| Input Wattage (W) | 10 | 14 | 20 |
| Input Current (A) 120/277 | .09/.04 | .13/.06 | .20/.09 |
| Input Voltage | | | |
| Dimming (Triac, ELV, 0-10V) | 90-305V AC, 50/60Hz | | |
| Lutron HiLume® Dimming | 120V AC, 50/60Hz | | |
| Lutron Eco-System® Dimming | 120-277V AC, 50/60Hz | | |
| Color Temp | 2700K/3000K/3500K/4000K | | |
| CRI Standard/High | 83 (80min) / 90+ | | |
| Driver | | | |
| Power Factor | > 0.90 | | |
| THD | < 20% | | |
| Dimming | | | |
| Triac, ELV, 0-10V | 10-100% | | |
| Lutron® | 1-100% | | |

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Ordering Information

Example Order: –

| Fixture | Housing | Beam | Color Temp | Driver Option | Finish | Accessories |
|---|---------------------------------|--|--|--|---|--|
| CTL8061 - 10W/ 1100Lm CTL8062 - 14W/ 1400Lm CTL8063 - 20W/ 1800Lm | C - Mono-Point Canopy | S - 12° Spot M - 28° Medium F - 39° Flood | 27 - 2700K 3 - 3000K 35 - 3500K 4 - 4000K 27C - 2700K, 90+ CRI 3C - 3000K, 90+ CRI 35C - 3500K, 90+ CRI 4C - 4000K, 90+ CRI 3W - 3000K, 90+ CRI, Crisp White | MVD - 120-277V Triac*, ELV, 0-10V Dimming 12D3 - 120V Lutron Hi-lume 1% 2-Wire LED Driver (120V Forward Phase Only) MVD4 - 120V-277V Lutron Hi-lume 1% EcoSystem LED Driver with Soft-On, Fade-to-Black Dimming <i>*Triac Dimmable at 120V Only</i> | B - Black P - White S - Silver | 2INOPTIC-S - 2" TIR Optic, Spot Beam 2INOPTIC-M - 2" TIR Optic, Medium Beam 2INOPTIC-F - 2" TIR Optic, Flood Beam 5500011 - 2" Diffusion Disc BD16A - Barn Doors FA-16 60MM - 2-3/8" Dia. Black Honeycomb Louver FA-43-(B,P,S) - 1" Snoot/Accessory Holder LF16-* 60MM 2-3/8" Dia. Tempered Glass Lenses; Requires FA-43 Snoot/Accessory Holder |

**Color/Pattern Legend*
A (Amber), **B** (Blue), **CL** (Clear), **G** (Green), **LB** (Light Blue),
R (Red), **RO** (Rose), **Y** (Yellow), **73** (Spread Lens),
LS (Linear Spread Lens), **SL** (Soft Light), **SOL** (Solite)

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Photometrics

Lumen output values fluctuate based on CCT and CRI. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

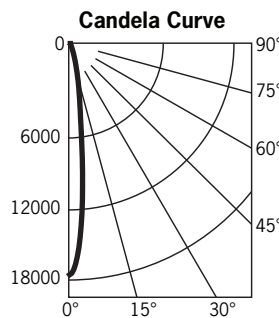
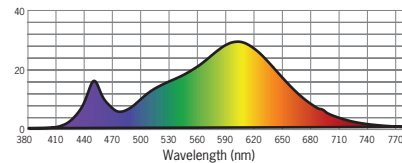
| CCT | Standard CRI | High CRI | Crisp White |
|-------|--------------|----------|-------------|
| 2700K | .935 | .703 | N/A |
| 3000K | N/A | .754 | .787 |
| 3500K | 1.0 | .812 | N/A |
| 4000K | 1.0 | .87 | N/A |

For 14W data, multiply results by .78; For 10W data, multiply results by .59

20W Spot Beam, 3000K: CTL8063HS3D

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 86370

Light Output (Fixture Delivered Lumens): 1509
 Total Watts@120V: 20.0; Lumens Per Watt: 75.5
 Center Beam Candle Power: 17472
 Color Rendering Index (CRI)²: 83
 Color Temperature (CCT)³: 3131K
 Spectral Power Distribution Chart⁴
 LM-79 Test No. 86373



Candlepower Summary

| FROM 0 | CANDELA | LUMENS |
|--------|---------|--------|
| 0 | 17472 | |
| 5 | 10835 | 788 |
| 15 | 1738 | 501 |
| 25 | 232 | 123 |
| 35 | 43 | 30 |
| 45 | 27 | 21 |
| 55 | 20 | 18 |
| 65 | 16 | 15 |
| 75 | 8 | 9 |
| 85 | 4 | 4 |
| 95 | 0 | |

Intensity Distribution

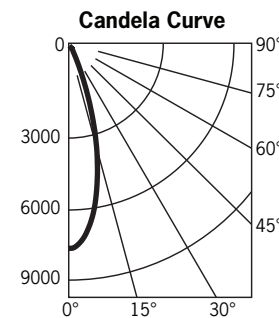
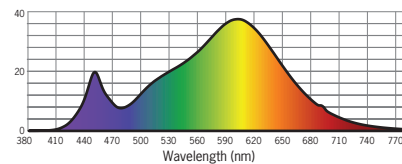
| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4' | 1092.0 | 0.8 |
| 6' | 485.3 | 1.3 |
| 8' | 273.0 | 1.7 |
| 10' | 174.7 | 2.1 |
| 12' | 121.3 | 2.5 |
| 14' | 89.1 | 2.9 |

Beam Distribution: 12°
 Spacing Criterion: 0.21

20W Medium Beam, 3000K: CTL8063HM3D

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 86371

Light Output (Fixture Delivered Lumens): 1852
 Total Watts@120V: 20.3; Lumens Per Watt: 91.2
 Center Beam Candle Power: 7634
 Color Rendering Index (CRI)²: 83
 Color Temperature (CCT)³: 3106K
 Spectral Power Distribution Chart⁴
 LM-79 Test No. 86374



Candlepower Summary

| FROM 0 | CANDELA | LUMENS |
|--------|---------|--------|
| 0 | 7634 | |
| 5 | 7003 | 621 |
| 15 | 3524 | 931 |
| 25 | 366 | 235 |
| 35 | 68 | 46 |
| 45 | 15 | 12 |
| 55 | 4 | 4 |
| 65 | 2 | 2 |
| 75 | 1 | 1 |
| 85 | 0 | 0 |
| 95 | 0 | |

Intensity Distribution

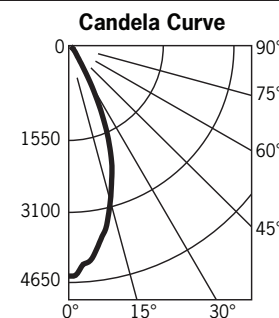
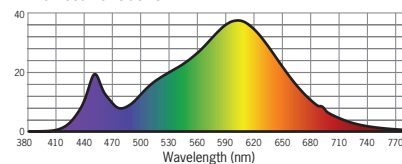
| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4' | 477.1 | 1.9 |
| 6' | 212.1 | 2.9 |
| 8' | 119.3 | 3.8 |
| 10' | 76.3 | 4.8 |
| 12' | 53.0 | 5.7 |
| 14' | 38.9 | 6.7 |

Beam Distribution: 29°
 Spacing Criterion: 0.46

20W Flood Beam, 3000K: CTL8063HF3D

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 86372

Light Output (Fixture Delivered Lumens): 1897
 Total Watts@120V: 20.3; Lumens Per Watt: 93.4
 Center Beam Candle Power: 4501
 Color Rendering Index (CRI)²: 83
 Color Temperature (CCT)³: 3114K
 Spectral Power Distribution Chart⁴
 LM-79 Test No. 86375



Candlepower Summary

| FROM 0 | CANDELA | LUMENS |
|--------|---------|--------|
| 0 | 4501 | |
| 5 | 4209 | 383 |
| 15 | 2951 | 817 |
| 25 | 1260 | 561 |
| 35 | 140 | 100 |
| 45 | 28 | 25 |
| 55 | 5 | 6 |
| 65 | 3 | 3 |
| 75 | 2 | 3 |
| 85 | 1 | 1 |
| 95 | 0 | |

Intensity Distribution

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4' | 281.3 | 2.5 |
| 6' | 125.0 | 3.8 |
| 8' | 70.3 | 5.1 |
| 10' | 45.0 | 6.3 |
| 12' | 31.3 | 7.6 |
| 14' | 23.0 | 8.8 |

Beam Distribution: 39°
 Spacing Criterion: 0.63

1. Dependent on surrounding temperatures
 2. Accuracy of rendering colors
 3. Color appearance of light source
 4. Colors present within the light source