



LED ceiling light with precision optics deliver smooth and uniform distribution. Ideal for retail settings, workspace lighting and other applications requiring a high output commercial grade downlight.

Color: Bronze

Weight: 18.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

| | |
|--------------|------------------|
| Type: | Constant Current |
| 120V: | 0.78A |
| 208V: | 0.51A |
| 240V: | 0.45A |
| 277V: | 0.39A |
| Input Watts: | 91W |
| Efficiency: | 86% |

LED Info

| | |
|-----------------|--------|
| Watts: | 78W |
| Color Temp: | 4000K |
| Color Accuracy: | 82 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 4,000 |
| Efficacy: | 44 LPW |

Technical Specifications

Electrical

Dimming Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 5%.

Drivers:

3x26W Driver, Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC 0.4 Amps., Power Factor 99.4%.

THD:

8.1% at 120V, 10.7% at 277V

Listings

cUL Listing:

Suitable for Wet Locations. Covered Ceiling Mount Only.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

IESNA LM-79 & LM-80 Testing:

RC LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Other

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Thermal Management:

Optimized using computational fluid dynamics software to ensure long LED and driver lifespan.

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Patents:

The design of CLED78 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

LED Characteristics

LEDs:

6x13W high-output, long-life LEDs.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RC's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Construction

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures.

Cold Weather Starting:

Minimum starting temperature is -40°F/-40°C.

Housing:

Precision die-cast aluminum housing and lens frame.

Lens:

Clear tempered glass lens.

Gaskets:

High-temperature silicone.

Finish:

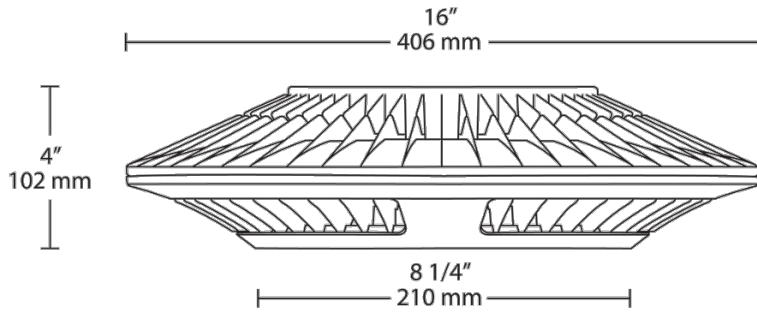
Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

CLED78N/D10

Dimensions



Features

- High output ceiling light
- Precision optics deliver uniform light distribution
- 100,000-hour LED lifespan
- 5-year warranty