



| Project:    |                  | Type:<br>Date:  |        |  |
|-------------|------------------|-----------------|--------|--|
| Prepared    | By:              |                 |        |  |
| Driver Info |                  | LED Info        |        |  |
| Туре:       | Constant Current | Watts:          | 50W    |  |
| 120V:       | 0.46A            | Color Temp:     | 5000K  |  |
| 208V:       | 0.27A            | Color Accuracy: | 67 CRI |  |
| 200 .       | 0.23A            | L70 Lifespan:   | 100000 |  |
| 240V:       | 0.20/1           | Er e Encoparn   |        |  |
|             | 0.20A            | Lumens:         | 4,942  |  |
| 240V:       |                  |                 |        |  |

# **Technical Specifications**

#### Lightcloud

#### Lightcloud Installed:

Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install.

#### Electrical

#### **Dimming Driver:**

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

#### Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

#### THD:

7.0% at 120V, 7.4% at 277V

#### **Surge Protection:**

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

# Listings

#### **UL Listing:**

Suitable for wet locations as a downlight.

#### IESNA LM-79 & IESNA LM-80 Testing:

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

#### Dark Sky Approved:

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

#### **DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PAG2Z327

**Technical Specifications (continued)** 

#### Other

#### Equivalency:

ALED™ 50W replaces 200W metal halide

#### California Title 24:

See ALED3T50/PC, ALED3T50/PCS or ALED3T50/PCT for a 2013 California Title 24 compliant model.

#### Patents:

The ALED  $^{\rm M}$  design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

#### **LED Characteristics**

#### Lifespan:

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

#### LEDs:

Multi-chip, high-output, long-life LEDs

#### **Color Consistency:**

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

# **Color Stability:**

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

#### **Color Uniformity:**

RAB'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

#### **IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

#### **IP Rating:**

Ingress Protection rating of IP66 for dust and water.

#### Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

#### **Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

#### **Thermal Management:**

Superior patent pending thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

#### Effective Projected Area:

EPA = 0.75

#### Housing:

Die cast aluminum housing, lens frame and mounting arm.

#### Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

#### **Reflector:**

Specular vacuum-metallized polycarbonate

#### Gaskets:

High temperature silicone gaskets

## 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.

# Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### **Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

# Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### **Trade Agreements Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

#### Optical

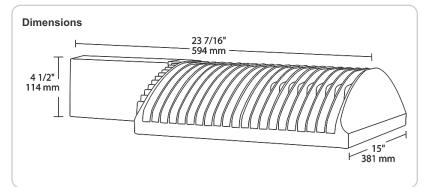
#### **BUG Rating:**

B1 U0 G2



# ALED3T50RG/D10/LC





# Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

Built in support Lightcloud™

Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD  $\ensuremath{\mathsf{LiGHTCLOUD}}$ 

# **Ordering Matrix**

| Family | Distribution         | Watts           | Color Temp  | Finish                                   | Dimming                               | Lightcloud       |
|--------|----------------------|-----------------|---|--|---------------------------------------|------------------|
| ALED   | 3Т                   | 50              |   | RG                                       | /D10                                  | /LC              |
|        | <b>3T</b> = Type III | <b>50</b> = 50W | Blank = 5000K (Cool)<br>Y = 3000K (Warm)<br>N = 4000K (Neutral) | Blank = Bronze<br>W = White<br>RG = Gray | Blank = No Dimming<br>/D10 = Dimmable | /LC = Lightcloud |