# ALED3T50/LC





Specification grade area lights available in IES Type III distributions. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Mounts to 4" square steel poles at 20-35'. Patent pending thermal management system. Includes built in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB. 5 Year Warranty.

Color: Bronze Weight: 32.0 lbs

| Project:     | Туре: |
|--------------|-------|
| Prepared By: | Date: |

| Driver Info  |                  | LED Info        |        |
|--------------|------------------|-----------------|--------|
| Туре:        | Constant Current | Watts:          | 50W    |
| 120V:        | 0.46A            | Color Temp:     | 5000K  |
| 208V:        | 0.27A            | Color Accuracy: | 67 CRI |
| 240V:        | 0.23A            | L70 Lifespan:   | 100000 |
| 277V:        | 0.20A            | Lumens:         | 4,846  |
| Input Watts: | 52W              | Efficacy:       | 94 LPW |
| Efficiency:  | 97%              |                 |        |



# **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.

### 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: P0000178V

### **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.

### **Electrical**

### 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.

# Other

# Equivalency:

ALED™ 50W replaces 200W metal halide

# **Technical Specifications (continued)**

# Other

# California Title 24:

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

# Patents:

The ALED™ 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.

# **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

# 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.

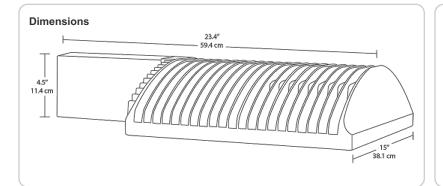
# Optical

# **BUG Rating:**

B1 U0 G2

# ALED3T50/LC





# **Features**

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

Built in support Lightcloud  $^{\mathsf{TM}}$ 

Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD

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