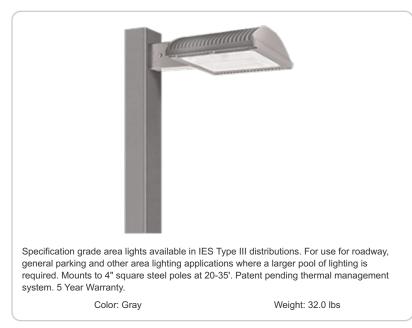
# ALED3T50RG/PCS





| Project:     |                  | Туре:           |              |  |  |
|--------------|------------------|-----------------|--------------|--|--|
| Prepared     | l By:            | Date:           |              |  |  |
| Driver Info  |                  | LED Info        |              |  |  |
| Туре:        | Constant Current | Watts:          | 50W          |  |  |
| 120V:        | 0.46A            | Color Temp:     | 5000K (Cool) |  |  |
| 208V:        | N/A              | Color Accuracy: | 67 CRI       |  |  |
| 240V:        | N/A              | L70 Lifespan:   | 100,000      |  |  |
| 277V:        | N/A              | Lumens:         | 4,846        |  |  |
|              | 52W              | Efficacy:       | 94 LPW       |  |  |
| Input Watts: | 3277             |                 |              |  |  |

# **Technical Specifications**

#### Other

### ALED3T50 with Photocell:

120V Swivel Photocell Included. Photocell is only compatible with 120V.

# Equivalency:

ALED™ 50W replaces 200W metal halide

#### California Title 24:

ALED3T50/PCS with the swivel photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor polemounted fixture <75 Watts.

#### Patents:

The ALED<sup>™</sup> 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 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.

# Listings

#### **UL Listing:**

Suitable for wet locations as a downlight.

# DLC Listed:

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

# 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.

# 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°F/-40°C.

#### **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.

# **Technical Specifications (continued)**

# Construction

# 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, and RoHS compliant. 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.

#### Optical

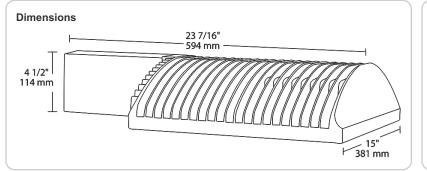
BUG Rating:

B1 U0 G2



# ALED3T50RG/PCS





# Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type III distribution
- 5-year warranty

| Family | Distribution         | Watts           | Mount           | Color Temp  | Finish    | Voltage            | Photocell                 | Dimming         | Bi-Level      |
|--------|----------------------|-----------------|-----------------|-------------|-----------|--------------------|---------------------------|-----------------|---------------|
| ALED   |                      |                 |                 |             |           |                    |                           |                 |               |
|        | 2T = Type II         | <b>50</b> = 50W | = Arm           | = Cool      | = Bronze  | = 120-277V         | = No Photocell            | = No Dimming    | = No B i-Leve |
|        | <b>3T</b> = Type III |                 | SF = Slipfitter | Y = Warm    | W = White | <b>/480</b> = 480V | /PC = 120V Button         | /D10 = Dimmable | /BL = Bi-Leve |
|        | 4T = Type IV         |                 |                 | N = Neutral | RG = Gray |                    | /PC2 = 277V Button        |                 |               |
|        |                      |                 |                 |             |           |                    | /PCS = 120V Swivel        |                 |               |
|        |                      |                 |                 |             |           |                    | /PCS2 = 277V Swivel       |                 |               |
|        |                      |                 |                 |             |           |                    | /PCT = 120-277V Twistlock |                 |               |
|        |                      |                 |                 |             |           |                    | /PCS4 = 480V Swivel       |                 |               |
|        |                      |                 |                 |             |           |                    | /PCT4 = 480V Twistlock    |                 |               |