ALED4T50W/PC





| Project: | | Type: Date: | | | |
|--------------|------------------|-----------------|--------------|--|--|
| Prepared | I By: | | | | |
| 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: | 5,196 | | |
| 211 V. | | Efficacy: | 100 LPW | | |
| Input Watts: | 52W | Lincacy. | TOU LE VV | | |

Technical Specifications

Other

ALED4T50 with Photocell:

Button Photocell 120V included. Photocell is only compatible with 120V.

Equivalency:

ALED™ 50W replaces 200W metal halide

California Title 24:

ALED4T50/PC with the button photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor polemounted fixture <75 Watts.

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 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 IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Effective Projected Area:

EPA = 0.75

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.

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:

6.9% at 120V, 7.8% at 277V

Surge Protection:

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

Optical

BUG Rating:

B0 U0 G2



ALED4T50W/PC



Bi-Level

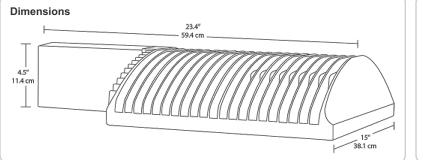
= No B i-Level

/BL = Bi-Level

Dimming

= No Dimming

/D10 = Dimmable



Features

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

| Ordering Matrix | | | | | | | | | |
|-----------------|----------------------|-----------------|-----------------|-------------|-----------|--------------------|---------------------------|--|--|
| Family | Distribution | Watts | Mount | Color Temp | Finish | Voltage | Photocell | | |
| ALED | | | | | | | | | |
| | 2T = Type II | 50 = 50W | = Arm | = Cool | = Bronze | = 120-277V | = No Photocell | | |
| | 3T = Type III | | SF = Slipfitter | Y = Warm | W = White | /480 = 480∨ | /PC = 120V Button | | |
| | 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