# 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<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 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

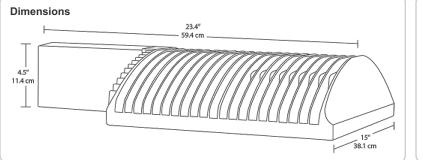
= No B i-Level

/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	<b>50</b> = 50W	= Arm	= Cool	= Bronze	= 120-277V	= No Photocell		
	<b>3T</b> = Type III		SF = Slipfitter	Y = Warm	W = White	<b>/480</b> = 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