# **RWLED4T50W**





Project: Type: Prepared By: Date: **Driver Info** LED Info Type: Constant Current Watts: 50W 120V: 0.46A Color Temp: 5000K 208V: 0.27A Color Accuracy: 67 CRI 240V: 0.23A 100000 L70 Lifespan: 277V: 0.20A Lumens: 5,196 Input Watts: 52W Efficacy: 100 LPW Efficiency: 96%

and meet IES Lateral Distribution Type IV. LROAD™ 50W replaces 200W metal halide roadway fixtures.

Color: White

Weight: 33.5 lbs

### **Technical Specifications**

#### 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: P0000178F

#### Optical

#### Lumen Maintenance:

100.000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

**BUG Rating:** 

B0 U0 G2

#### Construction

#### **IES Classification:**

The Type IV distribution (also known as a Forward Throw) is especially suited for illuminating the perimeter of parking areas and for intersections. 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.

#### Vibration Rating:

Industry-leading 5G vibration rating per ANSI C136.31.

**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.

#### Housing:

Die cast aluminum housing, lens frame and mounting

#### Mounting:

Fits most standard roadway upsweep arms. Adaptor brackets supplied fit 1", 1 1/4", 1 1/2" and 2" OD arms.

#### Wedge Mounting Option:

Allows field adjustment of +/- 5 degree tilt to achieve a level installation of LROAD50 universal adaptor roadway fixtures.

#### **Recommended Mounting Height:**

Up to 15 ft.

#### **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.

#### **LED Characteristics**

#### 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

#### Electrical

#### Driver:

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

## **Technical Specifications (continued)**

# Electrical

THD:

6.9% at 120V, 7.8% at 277V

#### Surge Protection:

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

### Other

#### Equivalency:

LROAD<sup>™</sup> 50W replaces 200W metal halide

#### California Title 24:

See RWLED4T50/PCT for a 2013 California Title 24 compliant.

#### Patents:

The LROAD<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 ten (10) 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

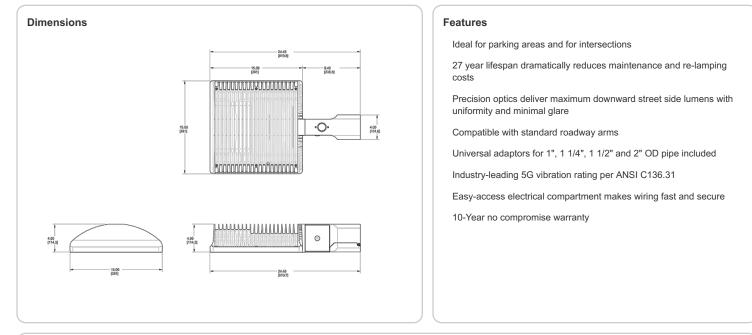
#### **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.



# RWLED4T50W





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Family	Distribution	Watts	Color Temp	Finish	Dimming	Voltage	Photocell	Bi-Level
RWLED								
	4T = Type IV	<b>50</b> = 50W	Blank = 5000K (Cool)	Blank = Bronze	Blank = No Dimming	Blank = 120-277V	Blank = No Photocell	Blank = No Bi-Leve
			<b>Y</b> = 3000K (Warm)	W = White	/D10 = Dimmable	<b>/480</b> = 480∨	/PCT = 120-277V Twistlock	<b>/BL</b> = Bi-Level
			N = 4000K (Neutral)	RG = Gray			/PCT4 = 480V Twistlock	