# RWLED2T50SF/PCS



LED roadway lighting that's easy to buy. Free trial program and leasing options make it easy to get started with LED. Specification-grade optics deliver efficient, clean, uniform light distributions at a reasonable cost. Optics are factory installed and meet IES Lateral Distribution Type II. LROAD™ 50W replaces 200W metal halide roadway fixtures.

Color: Bronze

Weight: 32.0 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.

## Optical

### Lumen Maintenance:

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

### **BUG Rating:**

B1 U0 G1

## Construction

### **IES Classification:**

The Type II distribution is ideal for entrance roadways, collector roads and other long, single-sided and narrow lighting applications. This type of lighting is commonly found on smaller local streets.

#### **Effective Projected Area:**

EPA = 2.2

### **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

**Project:** 

Type:

120V:

208V:

240V:

277V:

### **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

### Mounting:

Slipfitter with 180° pivot available for mounting on 2 3/8" tenon

#### **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%

#### Photocell:

120V swivel photocell (120V) Included. Photocell is compatible only 120V.

### THD:

7.0% at 120V, 7.0% at 277V

#### Prepared By: Date: **Driver Info** LED Info Constant Current 50W Watts 0.46A Color Temp: 5000K N/A Color Accuracy: 67 CRI 100000 N/A L70 Lifespan: N/A Lumens: 5.329 Input Watts: 52W Efficacy: 103 LPW Efficiency: 96%

Type:



### **Technical Specifications (continued)**

### Electrical

### Surge Protection:

6 kV 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:

RWLED2T50SF/PCS with the swivel photocell (120V) option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture ≤75 Watts.

### Patents:

Dimensions

The LROAD  $^{\rm TM}$  design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

### Warranty:

20.80

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.

### Features

Ideal for entrance roadways, collector roads, and single-sided roads

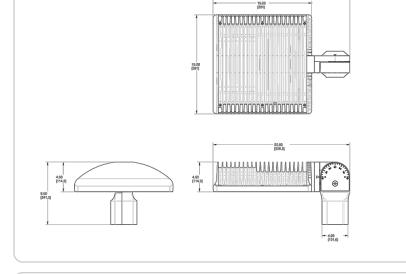
27 year lifespan dramatically reduces maintenance and re-lamping costs

Precision optics deliver maximum downward street side lumens with uniformity and minimal glare

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

Easy-access electrical compartment makes wiring fast and secure

10-Year no compromise warranty



#### **Ordering Matrix** Family Distribution Watts Mount Color Temp Finish Dimming Voltage Photocell **Bi-Level** RWLED 2T = Type II 50 = SF = Blank = 5000K Blank = Blank = No Blank = 120-Blank = No Blank = No Bi-50W Slipfitter (Cool) Bronze Dimming 277V Photocel Level /D10 = Dimmable Y = 3000K (Warm) W = White /480 = 480V /PCS = 120V Swivel /BL = Bi-Level N = 4000K (Neutral) /PCS2 = 277V RG = Grav Swivel /PCS4 = 480V Swivel