# RWLED2T150SFNW/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™ 150W replaces 400W metal halide roadway fixtures.

| LED Info        |                 | Driver Info  |                  |
|-----------------|-----------------|--------------|------------------|
| Watts:          | 150W            | Туре:        | Constant Current |
| Color Temp:     | 4000K (Neutral) | 120V:        | 1.31A            |
| Color Accuracy: | 82              | 208V:        | N/A              |
| L70 Lifespan:   | 100000          | 240V:        | N/A              |
| LM79 Lumens:    | 11847           | 277V:        | N/A              |
| Efficacy:       | 77 LPW          | Input Watts: | 154W             |
|                 |                 | Efficiency:  | 97%              |

## **Technical Specifications**

## UL Listing:

Suitable for wet locations as a downlight.

## Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

## **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.

LEDs: Multi-chip, high-output, long-life LEDs

#### **Photocell:** 120V Swivel Photocell Included. Photocell is only compatible with 120V.

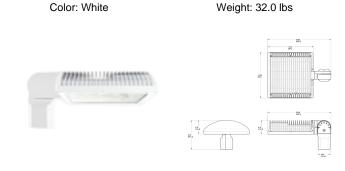
## Drivers:

Two Drivers Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

**THD:** 5.9% at 120V, 11.2% at 277V

## Surge Protection:

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



#### 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.

#### Mounting:

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

Recommended Mounting Height: Up to 35 ft.

## Color Consistency:

3-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.

#### **Reflector:**

Specular vacuum-metallized polycarbonate



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#### 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.

#### Equivalency:

LROAD<sup>™</sup> 150W replaces 400W metal halide

#### Green Technology:

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### 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.

#### California Title 24:

RWLED2T150SF/PCS with the swivel photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts at mounting heights greater than 24 feet.

#### Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

#### 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).



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#### 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.