# RWLED3T125SFRG/PCS2





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 III. LROAD<sup>™</sup> 125W replaces 350W metal halide roadway fixtures.

Color: Gray

Weight: 31.0 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 G2

# Construction

#### **IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It has greater streetside (transverse) throw, allowing the light to project outward and fill the area.

#### **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:** 

Efficiency:

93%

#### Thermal Management:

Superior patent pending thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

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

EPA = 2.2

#### Housing:

Die cast aluminum housing, lens frame and mounting arm.

#### Mounting:

Slipfitter with  $180^{\circ}$  pivot available for mounting on 2 3/8" tenon.

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

Up to 35 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

#### Photocell:

277V Swivel Photocell Included. Photocell is compatible with 208V-277V.

#### Drivers:

Two Drivers Constant Current, Class 2, 1750mA, 100-277V, 50/60Hz, 1.1A, Power Factor 99%

### THD:

5.5% at 120V, 15.6% at 277V

#### Prepared By: Date: **Driver Info** LED Info Constant Current Type: Watts 125W 120V: N/A Color Temp: 5000K 208V: 0.70A Color Accuracy: 65 CRI 240V: 0.61A L70 Lifespan: 100000 277V: 0.52A Lumens: 10.893 Input Watts: 134W Efficacy: 81 LPW

Type:



# **Technical Specifications (continued)**

#### Electrical

#### Surge Protection:

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

# Other

### Equivalency:

#### LROAD™ 125W replaces 350W metal halide

#### California Title 24:

RWLED3T125SF/PCS2 with the swivel photocell (277V) 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.

#### Patents:

Dimensions

The LROAD  $^{\rm TM}$  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.

### Features

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

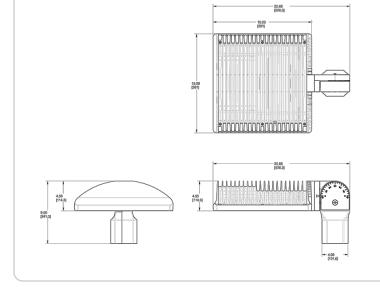
27 year lifespan dramatically reduces maintenance and re-lamping costs

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 3T = Type III 125 = SF = **Blank** = 5000K Blank = Blank = No Blank = 120-Blank = No Blank = No Bi-125W Slipfitter (Cool) Bronze Dimming 277V Photocell Level Y = 3000K (Warm) W = White /D10 = Dimmable /480 = 480V /PCS = 120V /BL = Bi-Level Swivel N = 4000K (Neutral) RG = Gray /PCS2 = 277V Swivel /PCS4 = 480V Swivel