RWLED3T78SFW/BL

RAB LIGHTING

Project:	**Type:**
Prepared By:	**Date:**

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™ 78W replaces 250W metal halide roadway fixtures.

Color: White   Weight: 31.0 lbs

Driver Info

Type:	Constant Current
120V:	0.66A
208V:	0.41A
240V:	0.35A
277V:	0.30A
Input Watts:	78W
Efficiency:	99%

LED Info

Watts:	78W
Color Temp:	5100K
Color Accuracy:	67 CRI
L70 Lifespan:	100000
Lumens:	6,911
Efficacy:	88 LPW

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Technical Specifications

Other

RWLED3T78 with Bi-Level Operation:

Allows 33%-66%-100% output modes.

Equivalency:

LROAD™ 78W replaces 250W metal halide

California Title 24:

RWLED3T78SF/BL with bi-level operation complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts mounted up to 24 feet when used with a RAB photo/motion control. Select a photo/motion control using catalog number STL110, STL200 or STL360. Mounting heights greater than 24 feet require only a photocell. See RWLED3T78SF/PCS, RWLED3T78SF/PCS2 or RWLED3T78SF/PCT for photocell versions.

Patents:

The LROAD™ 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.

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.

Replacement:

The LROAD™ replaces 175W Mercury Vapor, 150W HPS/MH roadway fixtures.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Vibration Rating:

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

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.

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.

Effective Projected Area:

EPA = 2.2

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 25 ft.

Reflector:

Specular vacuum-metallized polycarbonate

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Technical Specifications (continued)

Construction

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:

Six (6) multi-chip, 13W, 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.
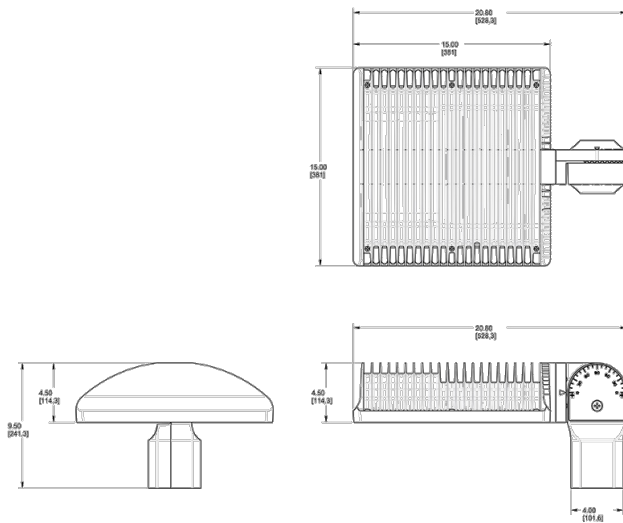
Electrical

Drivers:

Two Drivers Constant Current, Class 2, 1050mA, 100-277V, 50/60Hz, 0.6A, Power Factor 99%

Surge Protection:

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

Dimensions

Features

Ideal for roadway, general parking and major roads

78W High-Performance LED

Replaces 250W metal halide roadway fixtures

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	**78** = 78W	**SF** = Slipfitter	**Blank** = 5000K (Cool)	**Blank** = Bronze	**Blank** = No Dimming	**Blank** = 120-277V	**Blank** = No Photocell	**Blank** = No Bi-Level
				Y = 3000K (Warm)	**W** = White	**/D10** = Dimmable	**/480** = 480V	**/PCS** = 120V Swivel	**/BL** = Bi-Level
				N = 4000K (Neutral)	**RG** = Gray			**/PCS2** = 277V Swivel	
								/PCS4 = 480V Swivel	

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