ALED2T78SFW/D10/WS4

RAB

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.66A
208V	0.41A
240V	0.35A
277V	0.30A
Input Watts	77.9W

LED Info

Watts	78W
Color Temp	5000K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	9,552 lm
Efficacy	122.6 lm/W

Color: White   Weight: 32.0 lbs

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations as a downlight

IP Rating:
Ingress protection rating of IP66 for dust and water

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNAlm-79 andlm-80.

Performance

Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 250W Metal Halide

Construction

IES Classification:
The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

Ambient Temperature:
Suitable for use in up to 104°F (40°C)

Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Thermal Management:
Superior heat sinking with external Air-Flow fins

Lens:
Tempered glass lens

Housing:
Die-cast aluminum housing, lens frame and mounting arm

Reflector:
Specular vacuum-metallized polycarbonate

Gaskets:
High-temperature silicone gaskets

Bracket EPA:
2.0.

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

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 color temperature over a 5-year period

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Electrical

THD:
4.9% at 120V, 13.8% at 277V

Power Factor:
99.5% at 120V, 93.6% at 277V

Technical Specifications (continued)

Surge Protection:
4 kV

Surge Protector:
ALED78 is available with a 6 kV surge protector (SP6). SP6 available here.

Installation

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

Other

Patents:
The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

Optical

BUG Rating:
B1 U0 G2

Sensor Settings

Operating Voltage:
120-277V

Power Consumption:
1W

0-10V Sinking Current:
50mA

Adjustable High and Low Modes:
High: 0-10V; Low: off, 0-9.8V

Adjustable Time Delay:
Amount of time in high mode with no motion before switching to low mode: 5 min., 1 -30 min.

Adjustable Cut Off Delay:
Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 -60 min., 1 -5 hrs.

Adjustable Sensitivy:
None, low, medium, maximum

Adjustable Setpoint:
None, 1 to 250 fc, auto

Operating Temperature:
-40°F to 167°F (-40°C to +75°C)

Operating Humidity:
20% to 90% noncondensing

Relay Life Rating:
200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

IP Rating:
Ingress protection rating of IP66 for dust and water

**UL Listed:**
Suitable for Wet Locations as factory installed

Handheld Wireless Configuration Tool:
Adjust settings using handheld wireless configuration tool (catalog# WSREM). Only available with 0-10V dimming driver options. Handheld wireless configuration tool available here.

Multi Level Motion Sensor:
*60 ft diameter coverage from 40 ft height.

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Dimensions
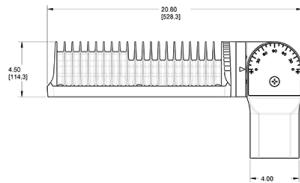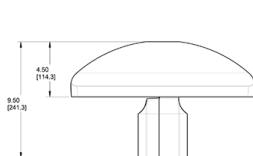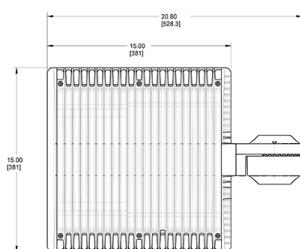
Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	2T	78	SF		W	/D10	/WS4	
	3T = Type III **2T =** Type II **4T =** Type IV	**50 =** 50W **78 =** 78W **105 =** 105W **125 =** 125W **150 =** 150W	**Blank =** Pole mount **SF =** Slipfitter	**Blank =** 5000K Cool **N =** 4000K Neutral **Y =** 3000K Warm	**K =** Black **W =** White **Blank =** Bronze **RG =** Roadway Gray	**Blank =** 120-277V **/480 =** 480V **/BL =** Bi-Level **/D10 =** 0-10V Dimming **/480/D10 =** 480V, 0-10V Dimming	**/PCS =** 120V Swivel Photocell **/WS4 =** Multi-Level Motion Sensor 40 ft **/WS2 =** Multi-Level Motion Sensor 20 ft **/PCT4 =** 480V Twistlock Photocell **/PCS4 =** 480V Swivel Photocell **/PCT =** 120-277V Twistlock Photocell **/PCS2 =** 277V Swivel Photocell **/LC =** Lightcloud **Blank =** No Option	**Blank =** Standard **USA =** BAA Compliant

Need help? Tech help line: **(888) 722-1000** Email: **techsupport@rablighting.com** Website: **www.rablighting.com**

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