ALED2T78SFNW/480/PCS4

RAB®

Project:	Type:
Prepared By:	Date:

Color: White   Weight: 32.0 lbs

Driver Info

Type	Constant Current
120V	N/A
208V	N/A
240V	N/A
277V	N/A
Input Watts	79.5W

LED Info

Watts	78W
Color Temp	4000K (Neutral)
Color Accuracy	72 CRI
L70 Lifespan	100,000 Hours
Lumens	9,523 lm
Efficacy	119.8 lm/W

Technical Specifications

Compliance

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.DLC Product Code: P54AY3KG

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 IES LM-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 40°C (104°F)

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

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:
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 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.

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Technical Specifications (continued)

Electrical

Driver:
Constant Current, Class 2, 2000mA, 480V, 50-60Hz, 0.174A, Power Factor 96.6%

THD:
10.2% at 480V

Power Factor:
95.1% at 480V

Surge Protection:
4kV

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.
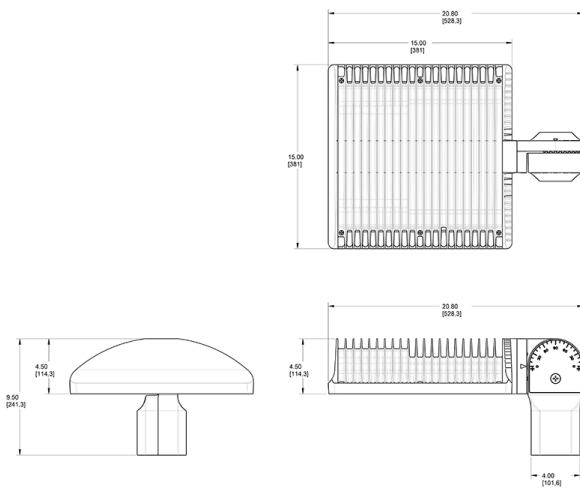
Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:
B1 U0 G1

Dimensions

Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

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Ordering Matrix

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

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

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