ALEDS5TSFNW/WS2

RAB

80W

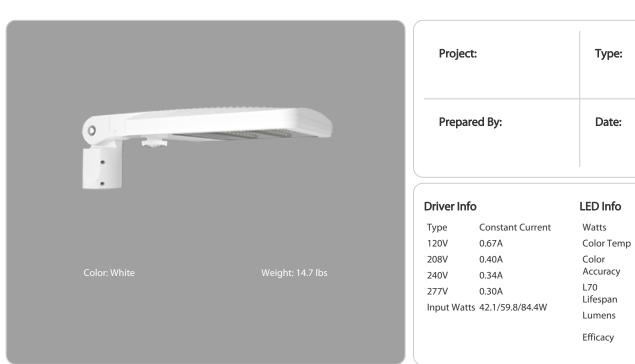
82 CRI

lm/W

4000K (Neutral)

100,000 Hours

6353/8746/11760 lm 150.9/146.3/139.3



Technical Specifications

Field Adjustability

Field Adjustable (Wattage):

Field adjustable light output in 3 discrete steps: Small Housing: 80W/60W/40W (factory default 80W)

Compliance

UL Listed:

Suitable for wet locations

IP Rating:

Ingress protection rating of IP66 for dust and water

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. Designed to meet DLC 5.1 requirements. DLC Product Code: S-K4QV28

LED Characteristics

LEDs:

Long-life, high-efficacy, discrete, surface-mount 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 (SSL) Products, ANSI C78.377-2017.

Electrical

Driver:

40W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.34A, 208V: 0.20A, 240V: 0.17A, 277V: 0.15A

60W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.50A, 208V: 0.30A, 240V: 0.25A, 277V: 0.22A

80W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.67A, 208V: 0.40A, 240V: 0.34A, 277V: 0.30A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

2.01% at 120V, 6.71% at 277V

Power Factor: 99.9% at 120V, 96.8% at 277V

Surge Protection:

Line to Line: 10kV Line to Ground: 6kV

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 V distribution produces light in a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots, corporate parks and retail settings

Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

Ambient Temperature :

Max Power Temp Rating: 40°C (104°F) Middle Power Temp Rating: 52°C (125°F) Low Power Temp Rating: 58°C (137°F)

Housing:

Die-cast aluminum

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Technical Specifications (continued)

Mounting:

2 3/8" slipfitter mount with stainless steel hardware

Tilt Increment: Rotates in 5 degree increments

Reflector:

Aluminum reflector with white polycarbonate

Vibration Rating:

3G vibration rating per ANSI C136.31

Effective Projected Area:

1 Fixture: 0.39 2 Fixtures at 90°: 0.62 2 Fixtures at 180°: 0.79 3 Fixtures at 90°: 1.01 4 Fixtures at 90°: 1.01

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Sensor Specifications

Multi Level Motion Sensor:

/WS2 sensor options use state-of-the-art surface mount technology (SMT), just like cellular phones and beepers. SMT gives you more reliability, greater RF[©]immunity. This compact sensor that can fit neatly where others cannot. This sensor technology automatically affects the state of operation for lighting systems or individual luminaries based upon detecting the presence or absence of movement for both people as they exit/enter, or for the motion of moving vehicles within the sensors viewing area. The wide 180° viewing angle can detect movement along the entire side of a building with only one compact sensor. The hard lens is molded as part of the case, vandalproof, rainproof, bugproof and absolutely sealed. Sensor functions best when movement is across its detection pattern, not towards the sensor.

Handheld Wireless Configuration Tool:

Adjust settings using handheld wireless configuration tool (catalog# WSREM). Only available with 0-10V dimming driver options. <u>Handheld</u> wireless configuration tool available here.

Optical

Bug Rating:

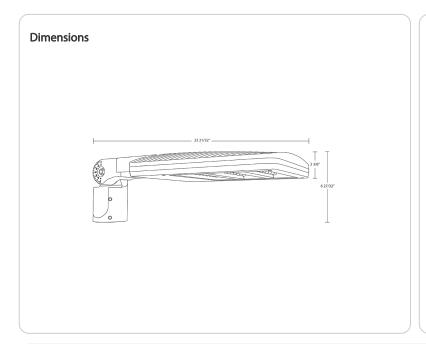
BUG Rating 80W: B3-U0-G2 BUG Rating 60W: B3 U0 G1 BUG Rating 40W: B3 U0 G1

Other

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.

ALEDS5TSFNW/WS2



Features

0-10V dimmable standard

- IP66 Rated
- 100,000-Hour LED lifespan
- 10-Year, No-Compromise Warranty

Ordering Matrix

S	5T	SF	N	W		44/60
				vv		/WS2
all (80W/60W/40W) um (150W/90W/78W) (260W/220W/170W) .= Extra Large W/345W/300W)	2T = Type II 3T = Type III 4T = Type IV 5T = Type V AT = Auto Dealership Optic	Blank = Universal Pole Mount SF = Slipfitter WM = Wall Mount	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White B = Black	Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming ¹	Blank = No Option /7PR = 7 Pin Twistlock Receptacle /WS2 = Wattstopper, 20ft lens /WS4 = Wattstopper, 40ft lens ²
	(260W/220W/170W) = Extra Large	(260W/220W/170W) 4T = Type IV = Extra Large 5T = Type V W/345W/300W) AT = Auto Dealership Optic 0ptic	(260W/220W/170W)4T = Type IVSF = Slipfitter= Extra Large5T = Type VWM = Wall MountW/345W/300W)AT = Auto Dealership OpticOptic	(260W/220W/170W)4T = Type IVSF = SlipfitterN = 4000K,= Extra Large5T = Type VWM = Wall MountNeutralW/345W/300W)AT = Auto Dealership OpticY = 3000K Warm	(260W/220W/170W) 4T = Type IV SF = Slipfitter N = 4000K W = White = Extra Large 5T = Type V WM = Wall Mount Neutral B = Black W/345W/300W) AT = Auto Dealership Y = 3000K Y = 3000K	(260W/220W/170W)4T = Type IVSF = SlipfitterN = 4000KW = White/480 = 480V, 0-10V(= Extra Large5T = Type VWM = Wall MountNeutralB = BlackDimming 1W/345W/300W)AT = Auto Dealership OpticY = 3000KWarm

² Wattstopper option available in Large & Extra Large fixtures only