SHARK8-100NW/D10/MVS

RAB LIGHTING

Project:	Type:
Prepared By:	Date:

Driver Info

Type:	Constant Current
120V:	0.80A
208V:	0.49A
240V:	0.42A
277V:	0.36A
Input Watts:	74W
Efficiency:	N/A

LED Info

Watts:	100W
Color Temp:	4000K
Color Accuracy:	75 CRI
L70 Lifespan:	100000
Lumens:	10162
Efficacy:	137 LPW

The eight-foot SHARK is available in 70W and 100W versions. This impact-resistant linear LED washdown fixture is ideal for car washes, tunnels, stairwells and other hard-to-reach areas where relamping is difficult and costly.

Color: White   Weight: 25.7 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

NSF:

NSF Certified by Public Health and Safety

ABS:

Approved for use on mobile offshore drilling units and shipping vessels

NEMA Rating:

4X, protected against corrosion

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Electrical

Driver:

Class 2 Constant Current, 4kV, 100-277VAC, 50-60Hz, 120V: 0.80A, 208V: 0.49A, 240V: 0.42A, 277V: 0.36A

Surge Protection:

4kV

THD:

7.1% at 120V, 11.1% at 277V

Power Factor:

99.3% at 120V, 95.5% at 277V

Dimming Driver:

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

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Housing:

5VA impact-resistant polycarbonate. 1/2" openings for conduit and bushing/cord entry. Polycarbonate is affected by cleaning agents or other liquids containing partial solvents such as low molecular weight aldehydes and ethers, ketones, esters, aromatic hydrocarbons and perchlorinated hydrocarbons.

Mounting:

Quick-mount, surface, stainless steel spring clips supplied. 4 additional mounting accessory kits available.

Lens:

Diffuse polycarbonate lens for low glare and maximum protection

Gaskets:

EVA silicone foam

Maximum Ambient Temperature:

Suitable for use in 104° F (40°C) ambient temperatures

Cold Weather Starting:

The minimum starting temperature is -22° F (-30° C).

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Finish:

Formulated for high-durability and long lasting color.

LED Characteristics

LEDs:

Long-life, high-efficiency surface mounting LEDs

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

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 C78.377-2015.

Other

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Sensor Specifications

Capacitance Load:

400W at 120V, 800W at 230V, 1000W at 277V

Operating Temperature:

-20°C to +60°C (-4°F to +140°F)

Technical Specifications (continued)

Sensor Specifications

Relay:

Zero-cross relay

Maximum Mounting Height:

5m

Customizable Detection Area:

10, 50, 75 or 100%

Time Delay:

5s, 30s, 1min, 5min, 10min, 20min, 30min

Cut Off Period:

0s, 10s, 1min, 5min, 10min, 30min, 1hr, Bi-Level

Cut Off Dimming level:

10, 20, 30, 50%

Cut Off Power:

Less than 1W

Daylight Threshold:

About .2-5 fc for disabled

Sensor Principle:

High Frequency

Microwave Frequency:

5.8GHz +/- 75MHz

Microwave Power:

<0.2mW

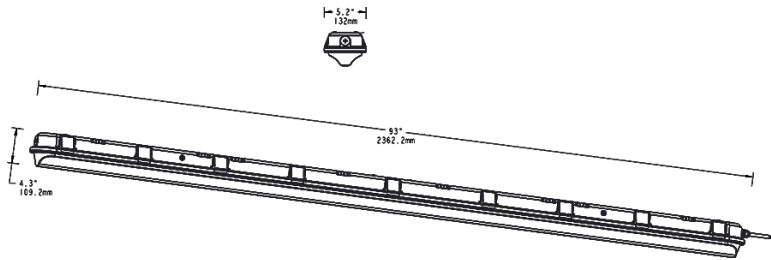**Detection Range Max:**

16m across, 10m high

Detection Angle:

About 30 to 150 degrees

Remote Control:

Adjust settings using remote control (catalog# MVSREM). Only available with 0-10V dimming driver options.

Dimensions

Features

NSF certified for use in food-prepartion facilities

American Bureau of Shipping (ABS) approved

Ideal for car washes, tunnels and stairwells

Mounting options:

Chain, junction box, angled surface mount, ceiling mount or vandal-resistant surface mount

IP66 AND NEMA 4X ratings protect against dust, water ingress & corrosion

5-Year, no compromise warranty

100,000-Hour LED lifespan

Ordering Matrix

Family	Length	Watts	Color Temp	Finish	Voltage	Dimming	Battery Backup	Sensor	Bi-Level
SHARK	8	100	N	W		/D10		/MVS	
	8 = 8 ft	**100** = 100W	**Blank** = 5000K (Cool)	**W** = White	**Blank** = 120-277V	**D10** = Dimmable	**Blank** = No Battery Backup	**Blank** = No Occupancy Sensor	**Blank** = No Bi-Level
		70 = 70W	**Y** = 3000K (Warm)		**/480** = 480V		**/E2** = 120-277V Battery Backup	**/MVS** = Occupancy Sensor	**/BL** = Bi-Level
			YN = 3500K (Warm Neutral)						
			N = 4000K (Neutral)						