

# SHARK8- 100YW/D10/MVS



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

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type:	Constant Current
120V:	0.80A
208V:	0.49A
240V:	0.42A
277V:	0.36A
Input Watts:	95W
Efficiency:	N/A

#### LED Info

Watts:	100W
Color Temp:	3000K
Color Accuracy:	75 CRI
L70 Lifespan:	100000
Lumens:	11970
Efficacy:	126 LPW

## 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:

7.2% at 120V, 10.4% at 277V

#### Power Factor:

99.3% at 120V, 95.6% 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 warranted 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)

# SHARK8- 100YW/D10/MVS

## 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

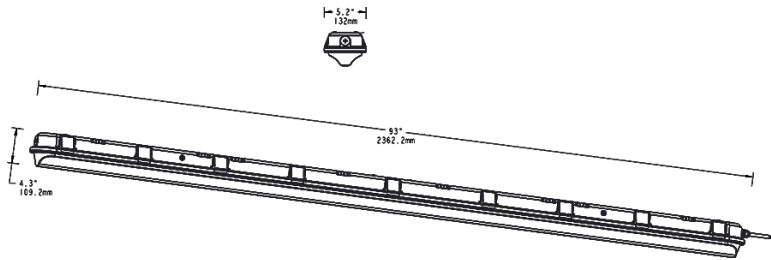
#### Detection Angle:

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-preparation 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	Y	W		/D10		/MVS	
	8 = 8 ft	100 = 100W 70 = 70W	Blank = 5000K (Cool) Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral)	W = White	Blank = 120-277V /480 = 480V	D10 = Dimmable	Blank = No Battery Backup /E2 = 120-277V Battery Backup	Blank = No Occupancy Sensor /MVS = Occupancy Sensor	Blank = No Bi-Level /BL = Bi-Level