SHARK8M-100W/D10/MVS

RAB

Project:	Type:
Prepared By:	Date:

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

Color: White   Weight: 24.5 lbs

Driver Info

Type	Constant Current
120V	0.75A
208V	0.48A
240V	0.42A
277V	0.34A
Input Watts	87.7W

LED Info

Watts	100W
Color Temp	5000K (Cool)
Color Accuracy	86 CRI
L70 Lifespan	100,000 Hours
Lumens	13,181 lm
Efficacy	150.3 lm/W

Technical Specifications

Compliance

UL Listed:
Marine Listed Outside Type (Saltwater)

UL 94:
5VA flame classification

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

NEMA Rating:
4X, protected against corrosion

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: PHJSHEAH (Stairwell and Passageway Luminaires)
DLC Product Code: P1DDNR4O (High-Bay Luminaires for Commercial and Industrial Buildings)
DLC Product Code: PE2JCFJO (Direct Linear Ambient Luminaires)

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.75A, 208V: 0.48A, 240V: 0.42A, 277V: 0.34A

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

THD:
1.49% at 120V, 2.26% at 277V

Power Factor:
99.8% at 120V, 95.2% at 277V

Construction

Length:
8 ft

Reflector:
Specular polycarbonate

Housing:
IK09 impact-resistant polycarbonate with 5VA flame rating*
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. Click here for a detailed list of damaging chemicals.

Mounting:
Quick-mount, surface, stainless steel spring clips and V-Hook with bracket screws are supplied. 3 additional mounting accessory kits available.

Lens:
Textured, diffuse polycarbonate lens for low glare and maximum protection

Gaskets:
EVA silicone foam

Cold Weather Starting:
The minimum starting temperature is -30°C (-22°F)

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

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

Finish:
Formulated for high durability and long-lasting color

Cord:
Comes standard with 6 ft cord

Technical Specifications (continued)

LED Characteristics

LEDs:
Long-life, high-efficacy, surface-mount LEDs

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.

Performance

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

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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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.

Sensor Specifications

Capacitance Load:
400VA at 120VAC, 800VA at 230VAC, 1000VA at 277VAC

Operating Temperature:
-20°C to +60°C (-4°F to +140°F)

Relay:
Zero-cross relay

Maximum Mounting Height:
16.4 feet

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

Max Detection Range:
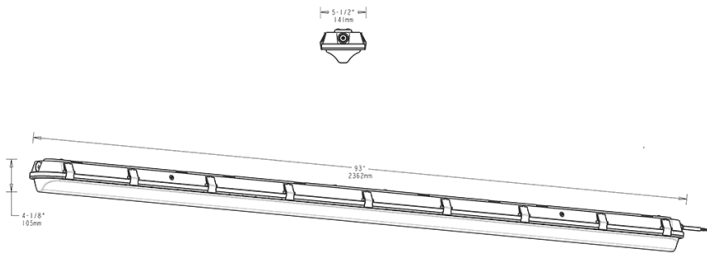26 ft diameter at 16 ft mounting height

Detection Angle:
About 30 to 150 degrees

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

SHARK8M-100W/D10/MVS

RAB®

Dimensions


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5-1/2"
141mm

53"
2362mm

4-1/8"
105mm
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Features

NSF certified for use in food-preparation facilities

American Bureau of Shipping (ABS) approved

Ideal for 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	UL Listing		Wattage	Color Temp	Finish	Driver Options	Options
SHARK	8	M	–	100		W	/D10	/MVS
	2 = 2 ft **4 =** 4 ft **8 =** 8 ft	**Blank =** Standard **M =** Marine Listed		**18 =** 18W (2 ft) **25 =** 25W (2 ft) **36 =** 36W (4 ft) **50 =** 50W (4 ft) **70 =** 70W (8 ft) **100 =** 100W (8 ft)	**Blank =** 5000K Cool **N =** 4000K Neutral **YN =** 3500K Warm Neutral	**W =** White	**/D10 =** 0-10V Dimming, 120-277V **/480/D10 =** 0-10V Dimming, 480V	**Blank =** No Option **/E2 =** Battery Backup **/LC =** Lightcloud® Controller, 120-277V **/LCS =** Lightcloud® Sensor, 120-277V **/MVS =** Microwave Occupancy Sensor, 120-277V **/LC/E2 =** Lightcloud® Controller w/ Battery Backup, 120-277V **/LCS/E2 =** Lightcloud® Sensor w/ Battery Backup, 120-277V **/MVS/E2 =** Microwave Occupancy Sensor w/ Battery Backup, 120-277V

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

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