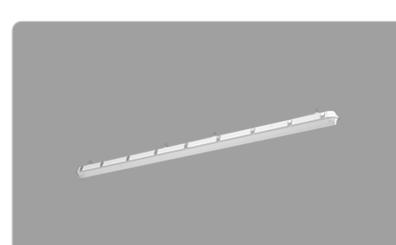
SHARK8/MVS/E



Technical Specifications

Compliance

UL Listed:

Suitable for wet locations

NSF:

NSF Certified by Public Health and Safety

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements. DLC Product Code: S-IBLSR8 (Stairwell and Passageway Luminaires) DLC Product Code: S-LQTB85 (High-Bay Luminaires for Commercial and Industrial Buildings) DLC Product Code: S-SRVU3Q (Direct Linear Ambient Luminaires)

Electrical

Dimming Driver:

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

THD:

3.26% at 120V, 11.62% 277V

Power Factor:

99.9% at 120V, 96.1% at 277V

Surge Protection: 2.5kV

Battery Backup:

Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Construction

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 supplied. 4 additional mounting accessory kits available.

Lens:

Diffuse polycarbonate lens for low glare and maximum protection

Maximum Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Project: Prepared By:		Туре:				
		Date:				
Driver In	fo	LED Info Constant Current Watts 100/80/60W 0.82A/0.66A/0.48A Color Temp 3500K/4000K/5000K 0.48A/0.40A/0.30A Color 84-86 CRI				
Туре	Constant Current	Watts	100/80/60W			
120V	0.82A/0.66A/0.48A	Color Temp	3500K/4000K/5000K			
208V	0.48A/0.40A/0.30A		84-86 CRI			
240V	0.42A/0.35A/0.25A	Accuracy				
277V	0.36A/0.30A/0.23A	L70 Lifespan	100,000 Hours			
Input Wat	ts 56.3-98.6W	Lumens	8,585-14,201 lm			

Cold Weather Starting:

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

Efficacy

134.9-160.5 lm/W

Green Technology:

Mercury and UV free. RoHS-compliant components.

Finish:

Input Watts 56.3-98.6W

Formulated for high durability and long-lasting color

LED Characteristics

I FDs:

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

Technical Specifications (continued)

Sensor Specifications

Operating Voltage: 12V DC

Operating Current: ≤25mA

Detection Area: 25%/50%/75%/100%

Maximum Mounting Height: 20 ft

Customizable Detection Area: 10, 50, 75 or 100%

Hold Time: 5s, 30s, 1min, 3min, 5min, 10min, 20min, 30min

Cut-Off Period: 0s/10s/30s/1min/5min/10min/30min/+∞

Cut-Off Dimming Level: 10,20,30,50%

Cut-Off Power: ≤0.5W

Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

Sensor Principle: High Frequency

Microwave Frequency: 5.8GHz +/- 75MHz

Microwave Power: <0.3mW

Max Detection Range: 46 ft

Operating Temperature: -20° C to $+60^{\circ}$ C (-4° F to $+140^{\circ}$ F)

Remote Control:

Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. <u>Remote control available here.</u>

Other

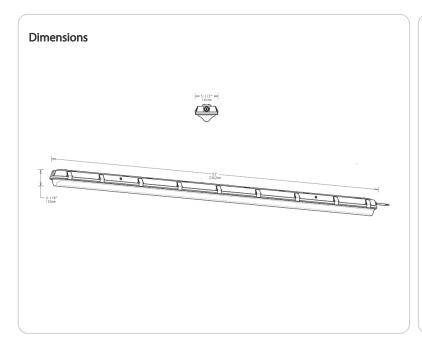
Warranty:

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 <u>rablighting.com/warranty.</u>

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.

SHARK8/MVS/E



Features

Impact-resistant linear washdown

Ideal for tunnels and stairwells

Mounting options: Chain, junction box, angled surface mount or vandalresistant surface mount

IP66 Rating protects against dust & water ingress

5-Year, No-Compromise Warranty

100,000-Hour LED lifespan

Ordering Matrix

Family	Size/Wattages	Mounting	Color Temp	Finish	Voltage	Options
SHARK	8					/MVS/E
	2 = 2ft (25/20/15W) 2M = 2ft (25/20/15W) Marine Listed 4 = 4ft (50/40/30W) 4M = 4ft (50/40/30W) Marine Listed 8 = 8ft (100/80/60W) 8M = 8ft (100/80/60W) Marine Listed	Blank = Metal Bracket with hooks	Blank = 3500/4000/5000K	Blank = White	Blank = 120-277V, 0-10V Dimming	Blank = No Option /E = Battery Backup /LC = Lightcloud® Blue Enabled /MVS = Microwave Occupancy Sensor /PIR = Passive Infrared Occupancy Sensor /LCBS = Lightcloud® Blue Enabled w/ PIR Sensor /LCBS/MVS = Lightcloud® Blue Enabled w/ MVS Sensor /MVS/E = Microwave Occupancy Sensor w/ Battery Backup /PIR/E = Passive Infrared Occupancy Sensor w/ Battery Backup /LCBS/E = Lightcloud® Blue Enabled w/ PIR Sensor & Battery Backup /LCBS/MVS/E = Lightcloud® Blue Enabled w/ MVS Sensor & Battery Backup