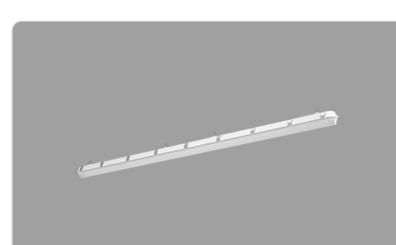
# SHARK8/MVS/E



## **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:<br>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:**  $-20^{\circ}$ C to  $+60^{\circ}$ C ( $-4^{\circ}$ 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

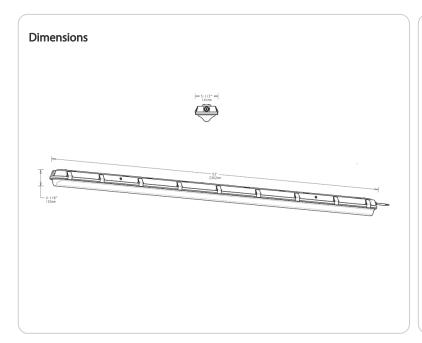
#### Warranty:

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)<br>2M = 2ft (25/20/15W)<br>Marine Listed<br>4 = 4ft (50/40/30W)<br>4M = 4ft (50/40/30W)<br>Marine Listed<br>8 = 8ft (100/80/60W)<br>8M = 8ft (100/80/60W)<br>Marine Listed | Blank = Metal Bracket<br>with hooks | Blank = 3500/4000/5000K | Blank =<br>White | <b>Blank =</b> 120-277V,<br>0-10V Dimming | Blank = No Option<br>/E = Battery Backup<br>/LC = Lightcloud® Blue Enabled<br>/MVS = Microwave Occupancy<br>Sensor<br>/PIR = Passive Infrared Occupancy<br>Sensor<br>/LCBS = Lightcloud® Blue Enabled<br>w/ PIR Sensor<br>/LCBS/MVS = Lightcloud® Blue<br>Enabled w/ MVS Sensor<br>/MVS/E = Microwave Occupancy<br>Sensor w/ Battery Backup<br>/PIR/E = Passive Infrared Occupancy<br>Sensor w/ Battery Backup<br>/LCBS/E = Lightcloud® Blue Enabled<br>w/ PIR Sensor & Battery Backup<br>/LCBS/MVS/E = Lightcloud® Blue<br>Enabled w/ MVS Sensor & Battery<br>Backup |