

# SHARK Field-Adjustable Linear Washdown



## SHARK2



## SHARK4



## SHARK8



PROJECT:

DATE:

TYPE:

PREPARED BY:



### KEY FEATURES

- Available models with selectable wattages:
  - 2Ft: 25/20/15W, factory default 25W
  - 4Ft: 50/40/30W, factory default 50W
  - 8Ft: 100/80/60W, factory default 100W
- Field-adjustable CCT: 3500/4000/5000K, factory default 4000K
- Voltage Rating 120-277V
- Impact-resistant polycarbonate housing
- Available with smart controls. Multi-sensor remote sold separately
- Battery backup available on 120-277V models
- Standard surface-mount brackets and V-hooks for chain mounting. Additional mounting accessory kits available
- UL Listed for wet locations. UL Marine listed models available.
- All standard models are F1 rated under UL 746C, NSF certified, and IP66 rated. Marine Listed models are not NSF certified.
- 5-Year, no-compromise warranty

### Field-Adjustable Strip Light



### TECHNICAL SPECIFICATIONS

#### COMPLIANCE

##### UL Listed

Suitable for wet locations. Marine listed 2Ft & 4Ft models only.

##### UL 746C

F1 weatherability rating for UV resistance, water exposure, and extreme temperature conditions

##### IP Ratings

Ingress Protection rating of IP66 for dust and water

##### NSF

NSF certified by public health and safety

##### IESNA LM-79 & LM-80 Testing

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80

##### 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.

#### COMPLIANCE (CONTINUED)

DLC ID:

| CATALOG#  | DLC ID   |
|---|----------|
| <b>Stairwell and Passageway Luminaires:</b>                       |          |
| SHARK2  | S-W04BEC |
| SHARK4  | S-QEWAXU |
| SHARK8  | S-IBLSR8 |
| <b>Direct Linear Ambient Luminaires:</b>                          |          |
| SHARK2  | S-V3CE02 |
| SHARK4  | S-ICZWTG |
| SHARK8  | S-SRVU3Q |
| <b>Low-bay Luminaires Commercial &amp; Industrial buildings:</b>  |          |
| SHARK4  | S-V8PXFE |
| <b>High-bay Luminaires Commercial &amp; Industrial buildings:</b> |          |
| SHARK8  | S-LQTB85 |

# SHARK Field-Adjustable Linear Washdown



## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

#### Cold Weather Starting

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

#### Cold Weather Starting for battery back-up

The minimum starting temperature is 0°C (32°F)

#### Maximum Ambient Temperature

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

#### Maximum Ambient Temperature for battery back-up

Suitable for use in up to 40°C (102°F)

#### Mounting

Stainless steel, surface-mount brackets and v-hooks are supplied.

Accessory kits available for angled surface, junction box, or tamperproof mounting.

#### Housing

Polycarbonate

#### Lens

Textured, diffuse polycarbonate lens for low glare and maximum protection

#### Gasket

Silicone foam

#### Finish

Formulated for high durability and long-lasting color

#### Green Technology

Mercury and UV free. RoHS-compliant components.

### ELECTRICAL

#### Drivers:

Constant Current, Class 2, 120-277V, 50/60 Hz,  
SHARK2 25W: 120V: 0.21A, 208V: 0.12A, 240V: 0.11A, 277V: 0.10A  
SHARK2 20W: 120V: 0.17A, 208V: 0.10A, 240V: 0.09A, 277V: 0.08A  
SHARK2 15W: 120V: 0.13A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A  
SHARK4 50W: 120V: 0.42A, 208V: 0.24A, 240V: 0.21A, 277V: 0.19A  
SHARK4 40W: 120V: 0.35A, 208V: 0.20A, 240V: 0.17A, 277V: 0.15A  
SHARK4 30W: 120V: 0.26A, 208V: 0.15A, 240V: 0.13A, 277V: 0.12A  
SHARK8 100W: 120V: 0.82A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A  
SHARK8 80W: 120V: 0.66A, 208V: 0.40A, 240V: 0.35A, 277V: 0.30A  
SHARK8 60W: 120V: 0.48A, 208V: 0.30A, 240V: 0.25A, 277V: 0.23A

#### Dimming Driver:

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

#### THD:

SHARK2: 3.37% at 120V, 2.15% at 277V  
SHARK4: 2.80% at 120V, 3.03% at 277V  
SHARK8: 3.26% at 120V, 11.62% at 277V

#### Power Factor:

SHARK2: 95.6% at 120V, 99.8% at 277V  
SHARK4: 99.9% at 120V, 97.7% at 277V  
SHARK8: 99.9% at 120V, 96.1% at 277V

### ELECTRICAL (CONTINUED)

#### Surge Protection

2kV

#### Battery Backup Light Loss Factor:

Powers the fixture for a minimum of 90 minutes in the event of a power failure

#### Battery Backup Light Loss Factor:

SHARK2: 0.232

SHARK4: 0.207

SHARK8: 0.104

Note: All values are typical (tolerance +/- 10%)

### LED CHARACTERISTICS

#### LEDs

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

#### 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.

### WIRELESS NETWORK LIGHTING CONTROL

Lightcloud-enabled products offer integrated network lighting control for a truly wireless solution that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can then communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls within any application.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at [www.lightcloud.com](http://www.lightcloud.com)

#### Lightcloud Blue (LCB)

- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub.
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift.
- Download the Lightcloud Blue mobile app for iOS or Android devices.

#### Lightcloud Enterprise (LC)

- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately).
- Offers premium features like remote commissioning, demand response, BACnet integration, and more.
- Download the Lightcloud Enterprise mobile app for iOS or Android devices.

# SHARK Field-Adjustable Linear Washdown



## TECHNICAL SPECIFICATIONS (CONTINUED)

### OCCUPANCY SENSORS

**Sensor Type:** Passive Infrared (PIR) or Microwave (MVS)

**Input Voltage:** 12VDC

**Operating Frequency:** 50/60Hz

**Input Current:** 30mA

**Operating Temperature:** -40°F to 140°F (-20°C to 60°C)

**Max Mounting Height:** 40 ft. (PIR); 50 ft (MVS)

**Detection Range:** PIR: 40 ft. diameter mounted at 40 ft. (/PIR & /LCBS); MVS: 50 ft. diameter mounted at 50 ft. (/MVS & /LCBS/MVS); PIR20[B]/[LCB] and MVS20[B]/[LCB] 20 ft. diameter mounted at 9 ft. (sold separately)

**Daylight Sensing:** The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set.

**Default Settings:**

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Daylight: Disabled

**Adjustable Settings:** Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote (sold separately) to adjust the following sensor settings:

Standby to dim: 10%/20%/30%/50%

Standby time: 0s/10s/30s/1min/5min/10min/30min/60min/+∞

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

### MAXIMUM MOUNTING HEIGHT FOR SENSORS

| SENSOR      | MAX MOUNTING HEIGHT |
|-------------|---------------------|
| MVS         | 20 ft               |
| PIR         | 20 ft               |
| MVS50 (LCB) | 49 ft               |
| PIR40 (LCB) | 39 ft               |

### OTHER

#### Warranty

The RAB 5-year, no-compromise warranty covers light output, color stability, driver performance, paint finish and labor. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

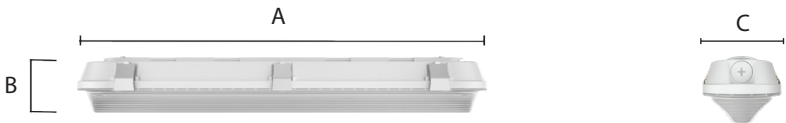
### PERFORMANCE

#### Lifespan

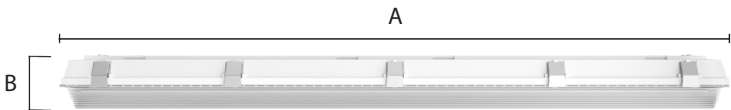
100,000-hours LED Lifespan based on IES LM-80 results and TM-21 calculations

## DIMENSIONS

### SHARK2



### SHARK4



### SHARK8



| MODEL# | A       | B      | C      | Weight (Lbs) |
|--------|---------|--------|--------|--------------|
| SHARK2 | 25 5/8" | 4 1/8" | 5 1/2" | 6.94         |
| SHARK4 | 48"     | 4 1/8" | 5 1/2" | 13.11        |
| SHARK8 | 93"     | 4 1/8" | 5 1/2" | 25.57        |

# SHARK Field-Adjustable Linear Washdown



## PERFORMANCE

| SHARK2/SHARK2M  | 3500K    | 4000K | 5000K | 3500K | 4000K | 5000K | 3500K | 4000K | 5000K |
|-----------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| WATTAGE         | 25W      |       |       | 20W   |       |       | 15W   |       |       |
| INPUT WATTS     | 25.5W    | 24.9W | 25.7W | 20.4W | 20W   | 20.6W | 16.3W | 16W   | 16.4W |
| LUMENS          | 3,509    | 3,683 | 3,565 | 2,843 | 2,964 | 2,892 | 2,270 | 2,346 | 2,314 |
| EFFICACY (LM/W) | 137.6    | 148.2 | 138.7 | 139.4 | 148.2 | 140.4 | 139.3 | 146.6 | 141.1 |
| CRI             | 83       | 85    | 85    | 83    | 85    | 85    | 83    | 85    | 85    |
| VOLTAGE RATINGS | 120-277V |       |       |       |       |       |       |       |       |

| SHARK4/SHARK4M  | 3500K    | 4000K | 5000K | 3500K | 4000K | 5000K | 3500K | 4000K | 5000K |
|-----------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| WATTAGE         | 50W      |       |       | 40W   |       |       | 30W   |       |       |
| INPUT WATTS     | 49.8W    | 48.6W | 50.7W | 41.1W | 40.1W | 41.4W | 30.6W | 30.1W | 30.8W |
| LUMENS          | 6,926    | 7,323 | 7,070 | 5,877 | 6,140 | 5,966 | 4,489 | 4,658 | 4,569 |
| EFFICACY (LM/W) | 139.1    | 150.7 | 139.4 | 143.0 | 153.1 | 144.1 | 146.7 | 154.8 | 148.3 |
| CRI             | 84       | 85    | 85    | 84    | 85    | 85    | 84    | 86    | 85    |
| VOLTAGE RATINGS | 120-277V |       |       |       |       |       |       |       |       |

| SHARK8          | 3500K    | 4000K  | 5000K  | 3500K  | 4000K  | 5000K  | 3500K | 4000K | 5000K |
|-----------------|----------|--------|--------|--------|--------|--------|-------|-------|-------|
| WATTAGE         | 100W     |        |        | 80W    |        |        | 60W   |       |       |
| INPUT WATTS     | 98.5W    | 95W    | 98.6W  | 79.3W  | 76.7W  | 79W    | 57.8W | 56.3W | 57.7W |
| LUMENS          | 13,287   | 14,201 | 13,732 | 11,467 | 11,732 | 11,452 | 8,585 | 9,035 | 8,649 |
| EFFICACY (LM/W) | 134.9    | 149.5  | 139.3  | 144.6  | 153.0  | 145.0  | 148.5 | 160.5 | 149.9 |
| CRI             | 84       | 86     | 85     | 84     | 86     | 85     | 84    | 86    | 85    |
| VOLTAGE RATINGS | 120-277V |        |        |        |        |        |       |       |       |

## ACCESSORIES

| IMAGE | SKU#         | UPC          | DESCRIPTION  |
|-------|--------------|--------------|--|
|       | ANGSHARK-G2  | 019813835341 | SHARK 2-4FT ANGULAR STAINLESS STEEL CORNER BRACKET SCREWS    |
|       | ANGSHARK8-G2 | 019813835358 | SHARK 8FT ANGULAR STAINLESS STEEL CORNER BRACKET SCREWS      |
|       | JBShARK-G2   | 019813835327 | SHARK 2FT 4FT JBOX STAINLESS STEEL MTG PLATE GASKET SCREWS   |
|       | JBShARK8-G2  | 019813835334 | SHARK 8FT JBOX STAINLESS STEEL MTG PLT GASKET SCREWS         |
|       | TPKSHARK-G2  | 019813835365 | SHARK 2FT 4FT STAINLESS STEEL TAMPERPROOF KIT BRACKET SCREWS |
|       | TPKSHARK8-GE | 019813835372 | SHARK 8FT STAINLESS STEEL TAMPERPROOF KIT BRACKET SCREWS     |
|       | MSR1         | 192552026055 | MULTI-SENSOR REMOTE CONTROL IP20                             |

# SHARK Field-Adjustable Linear Washdown



## ORDERING MATRIX

### SHARK Field-Adjustable Linear Washdown Light

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