

SHARK Field-Adjustable Linear Washdown



SHARK2



SHARK4



SHARK8



PROJECT: _____

DATE: _____

TYPE: _____

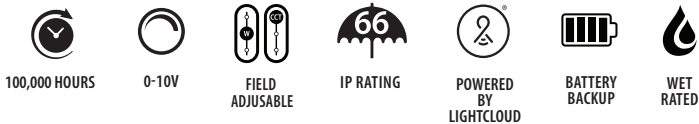
PREPARED BY: _____



KEY FEATURES

- Available models with selectable wattages:
2 Ft: 25/20/15W, factory default 25W
4 Ft: 50/40/30W, factory default 50W
8 Ft: 100/80/60W, factory default 100W
- Field-adjustable CCT: **3500/4000/5000K**, factory default 4000K
- **Voltage rating 120-277V**
- Impact-resistant **polycarbonate** housing
- Stand-alone or networked control. All models available with **microwave** or **PIR** motion sensor and **Lightcloud-enabled** controls.
- Battery backup available
- 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 modles are 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. UL Marine listed.

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.

CATALOG#	DLC ID	PRIMARY USE
SHARK2	S-W04BEC	Stairwell and Passageway Luminaires
SHARK2	S-V3CE02	Direct Linear Ambient Luminaires
SHARK4	S-V8PXF8	Low-bay Luminaires Commercial & Industrial buildings
SHARK4	S-ICZWTG	Direct Linear Ambient Luminaires
SHARK4	S-QEWAXU	Stairwell and Passageway Luminaires
SHARK8	S-LQTB85	High-bay Luminaires Commercial & Industrial buildings
SHARK8	S-SRVU3Q	Direct Linear Ambient Luminaires
SHARK8	S-IBLSR8	Stairwell and Passageway Luminaires

IP Ratings

Ingress Protection rating of IP66 for dust and water

NSF

NSF certified by public health and safety

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.

TECHNICAL SPECIFICATIONS

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.

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

Surge Protection

2.5kV

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%)

PERFORMANCE

Lifespan

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

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

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.

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

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TECHNICAL SPECIFICATIONS

MAXIMUM MOUNTING HEIGHT FOR SENSORS

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

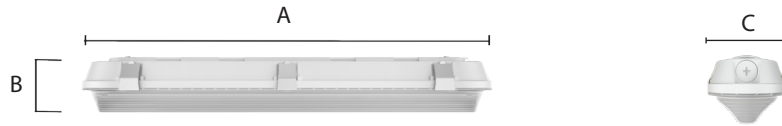
OTHER

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.

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

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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 STAINLEES STEEL TAMPERPROOF KIT BRACKET SCREWS
	MSR1	192552026055	MULTI-SENSOR REMOTE CONTROL IP20

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								

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PERFORMANCE

SHARK8/SHARK8M	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								

ORDERING MATRIX

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