

# SHARK® Linear LED Washdown



2ft. 4ft. 8ft.

Project: \_\_\_\_\_  
Date: \_\_\_\_\_  
Type: \_\_\_\_\_  
Prepared by: \_\_\_\_\_



## Technical Specifications

**UL Listed:**  
Suitable for wet locations

**UL 94:**  
5VA flame classification

**NSF:**  
NSF Certified by public Health and Safety

**NEMA Rating:**  
4X, protected against corrosion

**IP Rating:**  
Ingress Protection rating of IP66 for dust and water

**Dimming:**  
0-10V, standard down to 10%

**Ambient Operating Temperature:**  
120-277V: -30°C (-22°F) to 40°C (104°F)  
480V: -40°C (-40°F) to 40°C (104°F)

**Surge Protection:**  
4kV surge protection (standard)

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

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

**Finish:**  
White

**Gaskets:**  
EVA

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

**Drivers:**  
Constant Current Class 2, 120-277V, 50/60 Hz

**Reflector:**  
White painted sheet metal

**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. Please go to [rablighting.com](http://rablighting.com) 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.

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

**Color Stability:**  
LED color temperature is warranted to shift no more than 200K in CCT over a 5-year period

**Color Uniformity:**  
RAB's range of CCT (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

**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](http://rablighting.com/warranty).

## Performance

	2-Foot		4-Foot		8-Foot	
<b>5000K Color Temperature</b>						
Nominal Watts	<b>18W</b>	<b>25W</b>	<b>36W</b>	<b>50W</b>	<b>70W</b>	<b>100W</b>
Input Watts	20	24	36	47	74	90
Output Lumens	2,307	3,009	4,578	6,096	8,918	11,408
Lumens Per Watt	115	127	126	130	121	128
Color Accuracy (CRI)	84	84	84	84	84	84
<b>4000K Color Temperature</b>						
Nominal Watts	<b>18W</b>	<b>25W</b>	<b>36W</b>	<b>50W</b>	<b>70W</b>	<b>100W</b>
Input Watts	19	24	37	47	74	90
Output Lumens	2,310	3,012	4,532	6,035	8,829	11,299
Lumens Per Watt	120	127	124	129	120	126
Color Accuracy (CRI)	85	85	85	85	85	85
<b>3500K Color Temperature</b>						
Nominal Watts	<b>18W</b>	<b>25W</b>	<b>36W</b>	<b>50W</b>	<b>70W</b>	<b>100W</b>
Input Watts	18	24	36	47	74	90
Output Lumens	2,206	2,877	4,477	5,962	8,722	11,162
Lumens Per Watt	120	122	124	127	119	125
Color Accuracy (CRI)	84	84	84	85	84	85

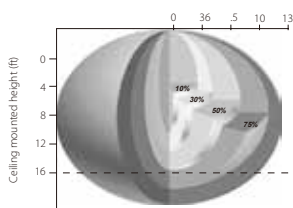
## Control Specifications

### Lightcloud Controls

- Wireless switching, 0-10V dimming, and power monitoring with a smaller footprint for 3A applications
- Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD
- Small profile for concealed installations
- Cloud-based management - no software to install or maintain
- Connects to Lightcloud Gateway and other Lightcloud devices
- Connects via a secure, encrypted, and self-healing 2.4 GHz wireless mesh network
- Repeater Mode to extend range of wireless mesh network
- If power to Controller is lost, notification is shown in the Lightcloud application
- If communication is lost, Controller can fall back to a customizable emergency state

### Microwave Sensor

- Completely concealed behind diffused light guide footprint for 3A applications
  - 24-hour daylight monitoring dawn/dusk sensor
  - Tri-level dimming control based upon occupancy (also known as corridor function)
  - 1-10V dimming control method
  - One-touch daylight learning via remote control
  - Zero crossing detection circuit reduces in-rush current and prolongs relay life
  - Loop-in and loop-out terminal for efficient installation
  - Remote sold separately
- Ordering code: MVSREM



## Battery Backup



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

Light Loss Factors:

<b>4 ft.</b>	<b>8 ft.</b>
36W: 0.625	70W: 0.357
50W: 0.47	100W: 0.25

## Dimensions

**2ft.**  
Weight: 5.5 lbs

**4ft.**  
Weight: 8.5 lbs



**8ft.**  
Weight: 14 lbs



## Ordering Matrix

Product	Length	Wattage	Color Temp	Finish	Driver Options	Options						
SHARK				W								
	2	2ft	18	18W (2ft)	Blank	5000K	W	White	/D10	010V dimming,120-277V	Blank	No option
	4	4ft	25	25W (2 ft)	N	4000K			/480/D10	010V dimming,480V†	/E2	Emergency battery backup**
	8	8ft	36	36W (4 ft)	YN	3500K					/LC	Lightcloud™ Controller, 120-277V
			50	50W (4 ft)							/MVS	Microwave motion sensor, 120-277V‡
			70	70W (8 ft)								
			100	100W (8 ft)								

## UL MARINE LISTED (Not NSF Certified)

Product	Length	UL Listing	Wattage	Color Temp	Finish	Driver Options				
SHARK		M			W					
	2	2ft	18	18W (2ft)	Blank	5000K	W	White	/D10	010V dimming,120-277V
	4	4ft	25	25W (2 ft)	N	4000K			/480/D10	010V dimming,480V†
	8	8ft	36	36W (4 ft)	YN	3500K				
			50	50W (4 ft)						
			70	70W (8 ft)						
			100	100W (8 ft)						