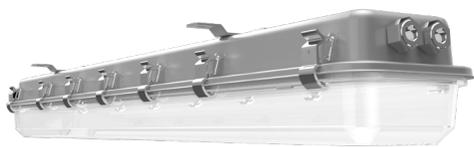


HAZSHARK2



HAZSHARK4



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Hazardous location washdowns available in:
2 ft: 30W
4 ft: 50W
- Available CCT: 5000K
- SAE 304 Stainless steel housing
- Battery backup options available
- Stainless steel surface-mount brackets & aircraft cables for suspended mounting included
- Certified for the following locations:
Class 1, Division 2 (Groups A, B, C, D)
Class 2, Division 1 (Groups E, F, G)
Class 2, Division 2 (Groups F, G)
Class 3
- UL Listed for wet locations
- IP66 rated
- 5-Year, no-compromise warranty

Hazardous location Linear Washdown, 2 ft and 4 ft



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.

COMPLIANCE

UL Listed

Suitable for wet locations

UL844:

Electric lighting fixtures for use in hazardous (classified) locations

IP Rated

Ingress Protection rating of IP66 for dust and water

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
HAZSHARK2	S-BMBZX1
HAZSHARK4	S-1MDUOR
HAZSHARK4	S-3V8FBW

COMPLIANCE

Hazardous Location Classifications

Class 1, Division 2 (Groups A, B, C, D):

Class 1 (Hazardous Material in Surrounding Atmosphere): Flammable vapors or gases may be present
Division 2 (Presence of Hazardous Materials):

Ignitable concentrations of hazards exist only under accidental system breakdowns or abnormal operating conditions

Groups A, B, C, D (Hazardous Material in Surrounding Atmosphere):

A = Acetylene

B = Hydrogen, butadiene, ethylene oxide, propylene oxide and acrolein

C = Ethylene, cyclopropane and ethyl ether

D = Acetone, ammonia, benzene, butane, ethanol, gasoline, hexane, methane, methanol, naphta, natural gas, propane & toluene

Class 2, Division 1 (Groups E, F, G):

Class 2 (Hazardous Material in Surrounding Atmosphere):

Combustible dust may be present

Division 1 (Presence of Hazardous Materials): Ignitable concentrations of hazard exists under normal operating conditions

TECHNICAL SPECIFICATIONS

COMPLIANCE (CONTINUED)

Hazardous Location Classifications (Continued)

Groups E, F, G (Hazardous Material in Surrounding Atmosphere):

E = Combustible metal dusts: aluminum, commercial alloys and magnesium

F = Combustible carbonaceous dusts: carbon black, charcoal, coal and coke dusts

G = Other combustible dusts: chemicals, flour, grain, plastic and wood

Class 2, Division 2 (Groups F, G):

Class 2 (Hazardous Material in Surrounding Atmosphere): Combustible dust may be present

Division 2 (Presence of Hazardous Materials): Ignitable concentrations of hazards exist only under accidental system breakdowns or abnormal operating conditions

Groups F, G (Hazardous Material in Surrounding Atmosphere):

F = Combustible carbonaceous dusts: carbon black, charcoal, coal and coke dusts

G = Other combustible dusts: chemicals, flour, grain, plastic and wood

Class 3:

Class 3 (Hazardous Material in Surrounding Atmosphere):

Easily ignitable flyings or fibers may be present

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

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 -10°C (14°F)

Maximum Ambient Temperature

Suitable for use in up to 50°C (122°F)

Maximum Ambient Temperature range for battery back-up

HAZSHARK2/E: -10°C to 50°C (14°F to 122°F), T6

HAZSHARK4/E: -10°C to 50°C (14°F to 122°F), T5

Mounting

Two mounting options included—stainless steel, surface mount brackets or aircraft cable for suspended mount.

Housing

SAE 304 stainless steel

Lens

Impact-resistant polycarbonate lens

Gasket

Silicone

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: 0.25A, 208V: 0.15A, 240V: 0.13A, 277V: 0.12A
SHARK4 50W: 120V: 0.4A, 208V: 0.24A, 240V: 0.21A, 277V: 0.19A

Dimming Driver:

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

THD:

HAZSHARK2: 1.56% at 120V, 4.37% at 277V

HAZSHARK4: 1.47% at 120V, 3.24% at 277V

Power Factor:

HAZSHARK2: 99.6% at 120V, 91.4% at 120V

HAZSHARK4: 99.6% at 120V, 92.0% at 277V

Surge Protection

4kV

EPA (Effective Projected Area/Outdoor Lighting)

HAZSHARK2: 1.67 ft

HAZSHARK4: 3.15 ft

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:

HAZSHARK2: 0.245

HAZSHARK4: 0.245

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

PERFORMANCE

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

OTHER

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.

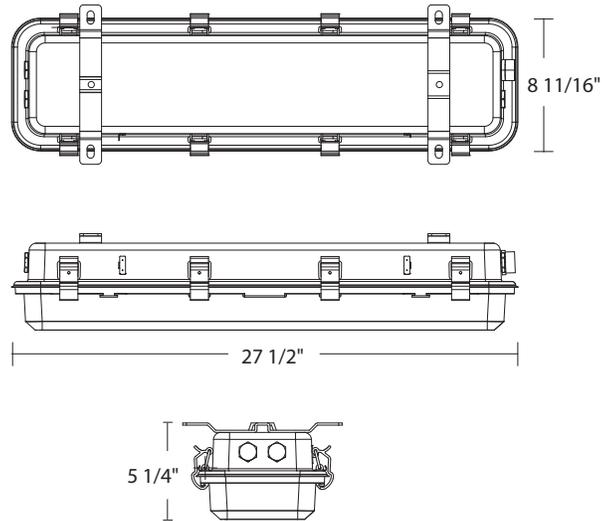
Warranty

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

DIMENSIONS

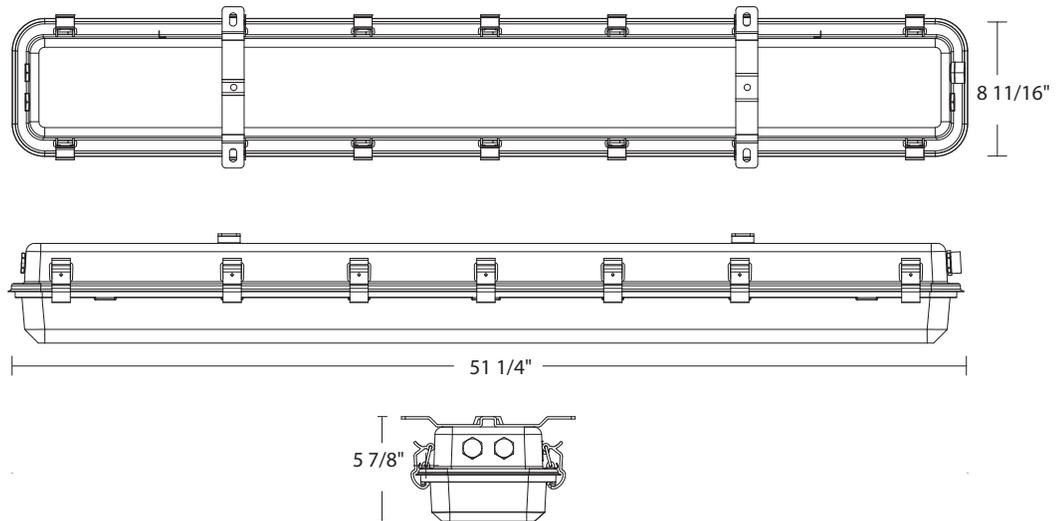
HAZSHARK2

Weight: 5.3 lbs



HAZSHARK4

Weight: 8.9 Lb



PERFORMANCE

HAZSHARK2	5000K
WATTAGE	30W
INPUT WATTS	29.4W
LUMENS	4,012
EFFICACY (LM/W)	136.5
CRI	83
VOLTAGE RATINGS	120-277V

HAZSHARK4	5000K
WATTAGE	50W
INPUT WATTS	49W
LUMENS	7,024
EFFICACY (LM/W)	143.3
CRI	84
VOLTAGE RATINGS	120-277V

ORDERING MATRIX

HAZSHARK Linear Washdown, Hazardous Location

Family	Size/Wattages	Mounting	Color Temperature	Finish	Voltage	Options	
HAZSHARK							
	2 4	2 Feet (30W) 4 Feet (50W)	BLANK Metal Bracket with hooks	BLANK 5000K	BLANK Gray	BLANK 120-277V, 0-10V Dimming	BLANK /E No Option Emergency Battery Backup