

HAZVX Hazardous Location Vaporproof Light



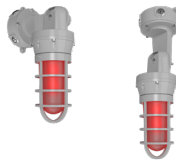
HAZVX30



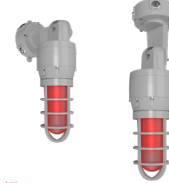
HAZVX30/E



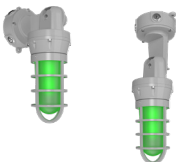
HAZVX20R



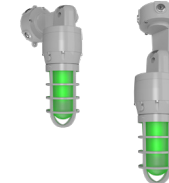
HAZVX20R/E



HAZVX20G



HAZVX20G/E



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Available in one size with static wattage 30W, available only in 5000K CCT
20W, available only in red and green LED
- Voltage rating: 120-277V
- 180° rotation for ceiling and wall mount
- UL listed for wet locations
- Certified for use in:
Class I, Division 2 (Groups A, B, C, D)
- IP66 and IK10 rated
- 5-year, no-compromise warranty

Hazardous location vaporproof light



PERFORMANCE

HAZVX30	5000K	HAZVX20G	GREEN	HAZVX20R	RED
WATTAGE	30W	WATTAGE	20W	WATTAGE	20W
INPUT WATTS	30.9W	INPUT WATTS	20.1W	INPUT WATTS	21.3W
LUMENS	3,869	LUMENS	1,529	LUMENS	421
EFFICACY	125.2	EFFICACY	76.1	EFFICACY	19.8
CRI	80.9	CRI	-24.3	CRI	10.7
VOLTAGE RATINGS	120-277V	VOLTAGE RATINGS	120-277V	VOLTAGE RATINGS	120-277V

TECHNICAL SPECIFICATIONS

COMPLIANCE

Hazardous Location Classifications

Class I: A hazardous location in which flammable gases or vapors may be present in the air in sufficient quantities to be explosive or ignitable, such as petroleum refineries, aircraft hangars, dry cleaning plants, utility gas plants or storage areas for liquefied petroleum or natural gas, and spray finishing areas.

Division 2: Abnormal condition, where ignitable concentrations of flammable gases, vapors or liquids are not like to exist under normal operating conditions, for example:

Closed storage drums containing flammable liquids in an inside storage room would not normal allow the hazardous vapors to escape into the atmosphere. But if one of the containers is leaking, you've got an abnormal condition.

COMPLIANCE (CONTINUED)

Hazardous Location Classifications

Groups A - D: The gases and vapors of Class 1 locations are broken into four groups by the Code: A,B,C, and D. These materials are grouped according to the ignition temperature of the substance, its explosion pressure, and other flammable characteristics.

Group A - The only substance in group A is acetylene because it is a gas with extremely high explosion pressures.

Group B - This group includes hydrogen and other materials with similar characteristics.

Group C & D - The most usual Class 1 groups. They comprise the greatest percentage of all Class I hazardous locations. Found in Group C is ethylene. Found in Group D are many of the most common flammable substances such as butane, gasoline, natural gas and propane

Group E: Combustible metal dusts: aluminum, commercial alloys and coke dusts

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

Group G: Other combustible dusts: Chemicals, flour, grain, plastic, wood.

TECHNICAL SPECIFICATIONS

COMPLIANCE (CONTINUED)

UL 844:

Electric lighting fixtures for use in hazardous (classified) locations

UL 1598:

Electric lighting fixtures for use in non-hazardous locations

UL 1598A:

Electric lighting fixtures for use on marine vessels

UL 8750:

Light Emitting Diode (LED) Light Sources for Use in Lighting Products

UL Listed:

Suitable for wet locations

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.

Note: LM80 only available for 5000K & not for Reg and Green LED

IP Rating:

Ingress protection rating of IP66 for dust and water

IK Ratings:

IK10 rated for protection against impact

ABS Compliant:

Approved for use on mobile offshore drilling units and shipping vessels

LED CHARACTERISTICS

Color Consistency

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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.

CONSTRUCTION

Cold Weather starting

Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature

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

Cold Weather starting w/Battery Backup

Minimum starting temperature is 0°C (32°F)

Maximum Ambient Temperature w/Battery Backup

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

Housing:

Die-cast aluminum

Mounting:

Ceiling mount with rotating cap

Lens/Globes:

Clear Globe

Gaskets:

High-temperature silicone

Green Technology:

Mercury and UV free. RoHS-compliant.

Finish:

Formulated for high durability and long-lasting color

ELECTRICAL

Drivers:

Constant Current, non-Class 2, 120-277V, 50/60 Hz

HAZVX30: 120V: 0.30A, 208V: 0.18A, 240V: 0.16A, 277V: 0.15A

HAZVX20G: 120V: 0.20A, 208V: 0.12A, 240V: 0.11A, 277V: 0.10A

HAZVX20R: 120V: 0.20A, 208V: 0.12A, 240V: 0.11A, 277V: 0.10A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems.

Surge Protection:

L-N:1KV

L/N-FG:2KV

THD (5000K):

HAZVX30: 2.90% @120V, 7.50% @ 277V

HAZVX20G: 3.0% @120V, 11.6% @ 277V

HAZVX20R: 3.7% @120V, 10.6% @ 277V

Power Factor (5000K):

HAZVX30: 99.4% @120V, 90.1% @ 277V

HAZVX20G: 98.7% @120V, 81.3% @ 277V

HAZVX20R: 98.7% @120V, 82.1% @ 277V

Battery Backup:

Battery backup will operate the LED Lamp for 90 minutes if power fails.

Wired for 120V-277V.

Battery Light Loss Factor:

HAZVX30: 0.25

HAZVX20G: 0.46

HAZVX20R: 0.46

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.

Lifespan

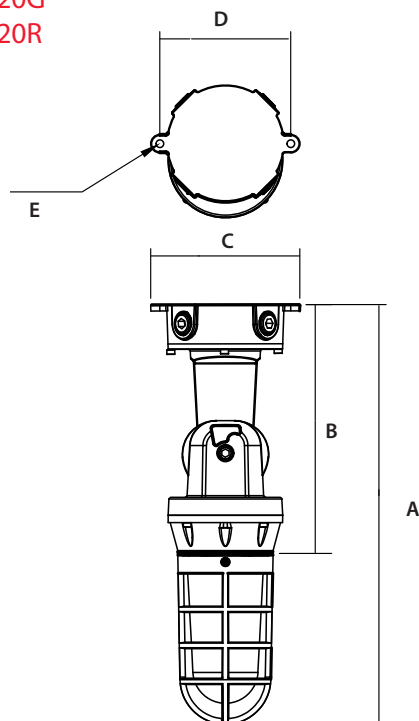
100,000-hour (HAZVX30) and 50,000-hour (HAZVX20G/HAZVX20R) LED lifespan based on IES LM-80 results and TM-21 calculations

HAZVX Hazardous Location Vaporproof Light

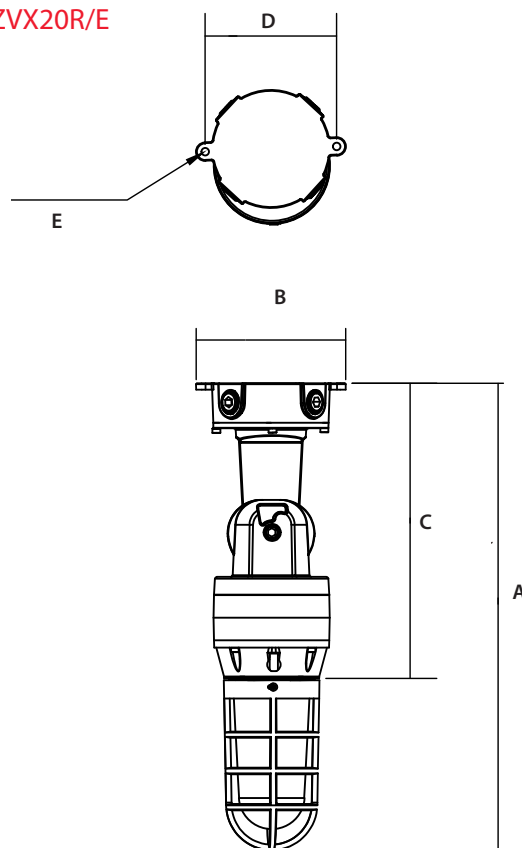


DIMENSIONS

HAZVX30
HAZVX20G
HAZVX20R



HAZVX30/E
HAZVX20G/E
HAZVX20R/E



MODELS W/YOKE MOUNT	A	B	C	D	E	Weight
HAZVX30, HAZVX20G, HAZVX20R	18 ⁵ / ₁₆ "	10 ⁷ / ₈ "	6 ¹ / ₂ "	5 ¹¹ / ₁₆ "	2-Ø ⁵ / ₁₆ "	15.4 lbs
HAZVX30/E, HAZVX20G, HAZVX20R	20 ¹ / ₄ "	12 ¹³ / ₁₆ "	6 ¹ / ₂ "	5 ¹¹ / ₁₆ "	2-Ø ⁵ / ₁₆ "	18.7 lbs

ORDERING MATRIX

HAZVX

Family	Wattage	Color Temp	Mounting	Finish	Lens	Driver	Battery Backup
HAZVX	30						
30	30W	BLANK 5000K	BLANK Ceiling Mount	BLANK Gray	BLANK Clear Globe	BLANK 120-277V, 0-10V Dimming	BLANK /E None Battery Backup

HAZVX

Family	Wattage		Color Temp		Mounting		Finish		Lens		Driver		Battery Backup	
HAZVX	20													
	20	20W	R	Red LED	BLANK	Ceiling Mount	BLANK	Gray	BLANK	Frosted Globe	BLANK	120-277V, 0-10V Dimming	BLANK /E	None Battery Backup