

LED HAZARDOUS Highbay is a Class I, Division 2 LED fixture designed with over 60 years of experience in hazardous location lighting.

Color: White

Weight: 26.2 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	1.03A
208V	0.65A
240V	0.56A
277V	0.49A
Input Watts	122W

LED Info

Watts	104W
Color Temp	4000K (Neutral)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	15,049
Efficacy	123.4 lm/W

Technical Specifications

Hazardous Location Classifications

UL 844:

Electric lighting fixtures for use in hazardous (classified) locations

UL 1598:

Electric lighting fixtures for use in non-hazardous locations

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 liquified 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 normally allow the hazardous vapors to escape into the atmosphere. But if one of the containers is leaking, you've got an abnormal condition.

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

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.

LED Characteristics

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

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

Color Stability:

LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

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.

Performance

Lifespan:

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

Construction

Ambient Temperature:

Suitable for use in up to 40°C (104°F).
Suitable for use in up to 55°C (131°F).

Thermal Management:

Superior heat sinking with external Air-Flow fins

Housing:

Precision die-cast aluminum housing and door frame with 3-foot 600V power cord

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.

T Ratings:

HAZBAYLED™ model is T3A rated

Compliance

UL Listed:

Suitable for wet locations with 3/4" pendant stem
Covered ceiling mount only

Technical Specifications (continued)

Construction

Mounting:

Pendant mount only with 3/4" NPT pipe

Recommended Mounting Height:

30 ft

Lens:

Tempered glass

Reflector:

Specular vacuum metallized polycarbonate

Gaskets:

High-temperature silicone

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Other

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.

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.

Electrical

Drivers:

Constant Current, 800mA, Class 2 with 6 kV surge protection, 100-277VAC, 50/60 Hz

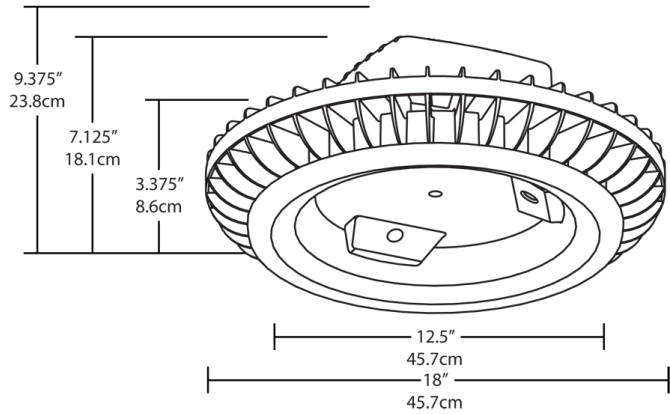
THD:

8.21% at 120V, 9.75% at 277V

Power Factor:

99.5% at 120V, 93.8% at 277V

Dimensions



Features

- Class 1, Division 2, Groups A, B, C, D
- IP66, UL1958, UL8750 and UL 844 ratings
- Resistant to shock and vibration
- Rugged construction ensures long-life and safe operation
- 100,000-Hour LED lifespan
- 5-Year, no-compromise warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Options
HAZBAYLED	104	N	W	
	78 = 78W 104 = 104W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Gray W = White	Blank = No Option /BL = Bi-Level /D10 = 0-10V Dimming