



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: 27.9 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	121.2W

### LED Info

Watts	104W
Color Temp	5000K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	14,942
Efficacy	123.3 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

### 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

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.

#### **T Ratings:**

HAZBAYLED™ model is T3A rated

#### **Compliance**

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#### **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](http://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

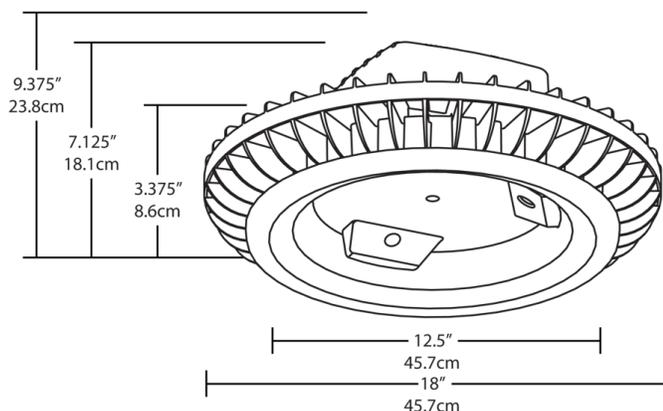
#### THD:

7.87% at 120V, 10.18% at 277V

#### Power Factor:

99.5% at 120V, 93.4% 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		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