HAZBAYLED104YW

RAB

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	121.9W

LED Info

Watts	104W
Color Temp	3000K (Warm)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	14,773 lm
Efficacy	121.2 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 igniteable 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 normall 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 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

T Ratings:
HAZBAYLED™ model is T3A rated

Compliance

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

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 warrantied 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

RAB

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.

Technical Specifications (continued)

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

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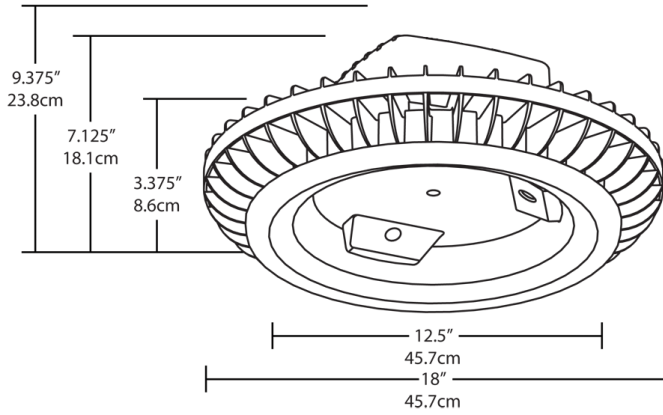Constant Current, 800mA, Class 2 with 6 kV surge
protection, 100-277VAC, 50/60 Hz

THD:
9.8% at 120V, 10.04% at 277V

Power Factor:
99.3% at 120V, 93.6% at 277V

HAZBAYLED104YW

Dimensions

9.375"
23.8cm

7.125"
18.1cm

3.375"
8.6cm

12.5"
45.7cm

18"
45.7cm

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	Y	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

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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