HAZXLED42FF-DG

RAB
LIGHTING

Project:		Type:	

Prepared By:		Date:	

Ceiling Mount HAZLED is a Class I, Division 2 LED fixture designed with 57 years of experience in hazardous location lighting.

Color: Natural   Weight: 10.5 lbs

Driver Info

		LED Info	
Type:	Constant Current	Watts:	42W
120V:	0.36A	Color Temp:	5100K (Cool)
208V:	0.18A	Color Accuracy:	69 CRI
240V:	0.17A	L70 Lifespan:	100,000
277V:	0.16A	Lumens:	2,986
Input Watts:	42W	Efficacy:	71 LPW
Efficiency:	99%		

Technical Specifications

Other

UL 844:

Electric lighting fixtures for use in hazardous (classified) locations

UL 1598:

Electric lighting fixtures for use in non-hazardous locations

UL 8750:

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

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 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:

HAZLED™ 42W model is T2B rated

Lens/Globes:

Frosted flat glass lens

Equivalency:

The HAZXLED42 is equivalent in delivered lumens to a 100 Watt metal halide.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

LED Characteristics

LEDs:

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

Lifespan:

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

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Maximum Ambient Temperature:

40° C (104° F)

Thermal Management:

Superior heat sinking with external Air-Flow fins

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Hardware:

All external hardware is stainless steel

Reflector:

Semi-specular aluminum

Mounting:

Ceiling mounting with (2) steel lugs

Gaskets:

Closed cell silicone gasket

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free, and RoHS compliant. Polyester power coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 1050mA, THD <20%, Power Factor 95%

Need help? Tech help line: **888 RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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RAB LIGHTING

Technical Specifications (continued)

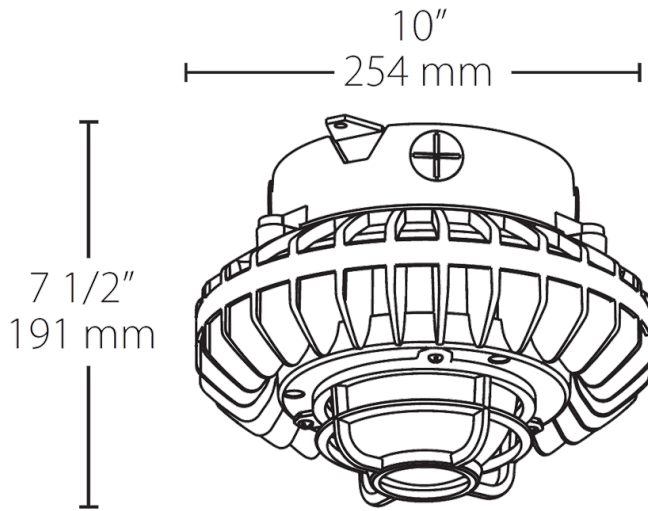### Listings

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Optical

BUG Rating:

B1 U0 G1

Dimensions

10"
254 mm

7 1/2"
191 mm

Features

Class 1, Division2, 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	Watts	Lens	Globes	Guard
HAZXLED				
	26 = 26W	= No lens	= No globes	= No guard
	42 = 42W	**CF** = Clear lens	**C** = Clear globes	**#NAME?** = Die cast guard
		FF = Frosted lens	**F** = Frosted globes	