



Color: Gray

Weight: 23.1 lbs

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current	Watts	120W
120V	N/A	Color Temp	5000K
208V	N/A	Color Accuracy	78 CRI
240V	N/A	L70 Lifespan	100,000 Hours
277V	N/A	Lumens	13,806 lm
Input Watts	117.7W	Efficacy	117.3

## Technical Specifications

### Hazardous Location Classifications

#### Class I Division 2 (Groups A, B, C, D):

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

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.

#### Class II Division 1 (Groups E, F, G):

Class II: Combustible dust may be present  
Division 1: Ignitable concentrations of hazards exist under normal operation conditions and/or where the hazard is caused by frequent maintenance or repair work or frequent equipment failure

E: Combustible metal dusts: aluminum, commercial alloys and magnesium

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

G: Other combustible dusts: Chemicals, flour, grain, plastic and wood

#### Class II Division 2 (Groups F, G):

Class II: Combustible dust may be present  
Division 2: Ignitable concentrations of hazards exist under abnormal operation conditions

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

G: Other combustible dusts: Chemicals, flour, grain, plastic and wood

#### Class III:

Class III: Easily ignitable fibers or flyings may be present

#### UL 844:

Electric lighting fixtures for use in hazardous (classified) locations

#### UL 1598:

Electric lighting fixtures for use in non-hazardous locations

#### Compliance

##### 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.

#### IP Rating:

Ingress protection rating of IP66 for dust and water

#### Electrical

##### Driver:

Constant Current, Class 2, 50/60 Hz, 480V, 480V: 0.27A

##### Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

##### THD:

14.86% at 480V

## Technical Specifications (continued)

### Power Factor:

92.6% at 480V

### Surge Protection:

L-N:4KV

L/N-FG:6KV

### Construction

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#### Cold Weather Starting:

The minimum starting temperature is  $T_a = -40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ )

#### Maximum Ambient Temperature:

Suitable for use in up to  $T_a = 55^{\circ}\text{C}$  ( $131^{\circ}\text{F}$ )

#### Housing:

Die-cast aluminum

#### Mounting:

Surface and pendant mount. Remove yoke for pendant mount.

#### Lens/Globes:

Frosted flat glass lens

#### Gaskets:

High-temperature silicone

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

#### Finish:

Formulated for high durability and long-lasting color

### LED Characteristics

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#### LEDs:

Long-life, high-efficacy, surface-mount LEDs

#### 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.

#### Color Consistency:

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

### Performance

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#### Lifespan:

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

### Other

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#### 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.

## Ordering Matrix

Family	Wattage	Color Temp	Mount	Finish	Lens/Globe	Voltage
HAZLED	120				FF	/480
	30 = 30W 60 = 60W 80 = 80W 120 = 120W	Blank = 5000K	Blank = Surface/Pendant C = Ceiling S = Stanchion WM = Wall Mount	Blank = Gray	CF = Clear Flat Lens FF = Frosted Flat Lens CG = Clear Globe FG = Frosted Globe	Blank = 120-277V, 0-10V Dimming /480 = 480V <sup>1</sup>

<sup>1</sup> 480V for 120W only