

78W BAYLED high bay replaces 250W MH high bays, reducing energy consumption by 67%. Suitable for large spaces, including warehouses, factories, and distribution centers.

Color: White Weight: 21.0 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	78W
120V	0.82A	Color Temp	3000K (Warm)
208V	0.52A	Color Accuracy	72 CRI
240V	0.45A	L70 Lifespan	100,000 Hours
277V	0.4A	Lumens	11,183 lm
Input Watts	90.8W	Efficacy	123.2 lm/W

Technical Specifications

Lightcloud

Lightcloud Controller Installed:

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel. [Learn more at www.lightcloud.com](http://www.lightcloud.com)

Compliance

UL Listed:

Suitable for damp locations with cord and hook. Suitable for wet locations with 3/4" pendant stem.

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 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

Wattage Equivalency:

Replaces 320W Metal Halide

Construction

Ambient Temperature:

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

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.

Installation

Recommended Mounting Height:

30 ft

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.

Technical Specifications (continued)

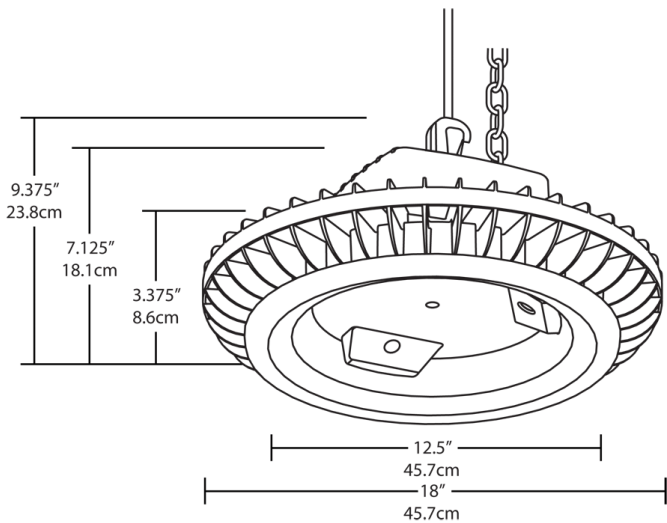
Electrical

THD:
11.83% at 120V, 9.66% at 277V

Power Factor:
99.1% at 120V, 93.5% at 277V

Drivers (3):
Constant Current, 720mA, Class 2 with 6kV surge protection, 100-277VAC, 50/60 Hz

Dimensions



Features

- Replaces 250W MH high bays
- Reduces energy consumption by 67%
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Options	Other Options
BAYLED	78	Y	W	/BL	
	78 = 78W 104 = 104W	Blank = 5100K Cool N = 4000K Neutral Y = 3000K Warm	W = White	Blank = No Option /BL = Bi-Level /D10 = 0-10V Dimming /LC = Lightcloud /D10/LC = 0-10V Dimming w/Lightcloud	USA = BAA Compliant Blank = Standard