

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: 26.9 lbs

Project:

Type:

Prepared By:

Date:

Driver Info		LED Info	
Type	Constant Current	Watts	78W
120V	0.82A	Color Temp	5100K (Cool)
208V	0.52A	Color Accuracy	72 CRI
240V	0.45A	L70 Lifespan	100,000 Hours
277V	0.4A	Lumens	11,311 lm
Input Watts	90.3W	Efficacy	125.3 lm/W

Technical Specifications

Compliance

UL Listed:

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

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.

DLC Listed:

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

LED Characteristics

LEDs:

Three multi-chip, 26W high-output, long-life LEDs

Color Consistency:

7-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 C78.377.2011.

Performance

Lifespan:

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

Wattage Equivalency:

Equivalent to 4 lamp T8 fixtures

Construction

Ambient Temperature:

Suitable for use in up to 131°F (55°C)

Thermal Management:

Superior thermal management 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:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Installation

Mounting:

Heavy-duty 3/4" NPS hook and 3 foot safety chain

Recommended Mounting Height:

25 ft

Other

Patents:

The design of the BAYLED™ is protected by patents pending in US, Canada, China, Taiwan and Mexico

Technical Specifications (continued)

Accessories:

Available accessories include protective polyshield and wire guards, replacement lens and doorframe, and an occupancy sensor. [Click here to see all accessories.](#)

5-Year, No-Compromise 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.

Electrical

THD:

11.83% at 120V, 9.66% at 277V

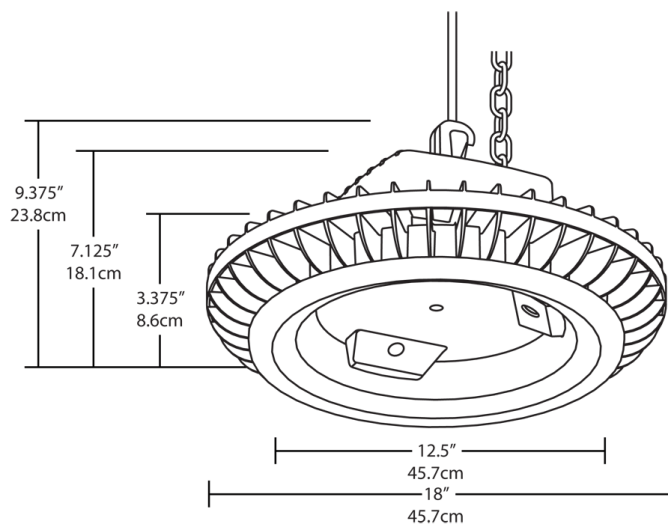
Power Factor:

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		W		
	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