



78W AISLED high bay delivers ultra efficient LED technology with uniform vertical light distribution for improved aisle lighting.

Color: White

Weight: 21.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
 120V: 0.82A
 208V: 0.52A
 240V: 0.45A
 277V: 0.4A
 Input Watts: 96W
 Efficiency: 81%

LED Info

Watts: 78W
 Color Temp: 3000K
 Color Accuracy: 82 CRI
 L70 Lifespan: 100000
 Lumens: 4,971
 Efficacy: 52 LPW

Technical Specifications

Listings

UL Listing:

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 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.

Electrical

Bi-Level Operation:

Allows 33%-66%-100% output modes.

Drivers (3):

Constant Current, 720mA, Class 2 with 6kV surge protection, 100-277VAC, 50/60 Hz.

THD:

12.8% at 120V

Input Watts:

96

LED Characteristics

LEDs:

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

Lifespan:

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

Color Accuracy (CRI):

82 CRI

Correlated Color Temp. (Nominal CCT):

3000K

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted 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.

Optical

Output Lumens:

4971

Fixture Efficacy:

52

Construction

Ambient Temperature:

AISLED will operate from -40°C (-40°F) to 55°C (131°F).

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.

Mounting:

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

Recommended Mounting Height:

25 ft.

Lens:

Tempered glass.

Reflector:

Specular vacuum metallized polycarbonate. AISLED78 reflector provides superior rectangular distribution pattern specifically designed for aisle lighting.

Gaskets:

High-temperature silicone

Finish:

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

Green Technology:

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

Other

Equivalency:

AISLED replaces 250 Watt metal halide one-for-one, and is equivalent to 4 lamp T8 fixtures.

Technical Specifications (continued)

Other

California Title 24:

AISLED78/BL complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for corridors, stairwells, warehouses and covered parking garages when used with an occupancy sensor. Select an occupancy sensor using catalog number LOSBAY800.

Patents:

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

Accessories:

Available accessories include protective polysield and wire guards, replacement lens and doorframe, and an occupancy sensor.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

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).

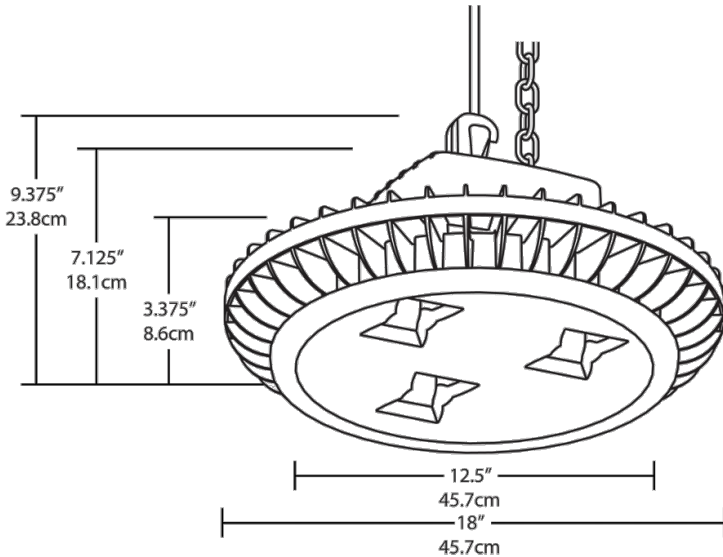
Trade Agreements Act Compliant:

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.

Dimensions



Features

- Efficient, aisle-shaped, vertical illumination
- Eliminates hot spots on higher shelves that can cause glare, improving overall visibility
- 100,000-hour LED lifespan
- 5-year warranty

Ordering Matrix

Family	Watts	Color Temp	Finish	Bi-Level
AISLED	78 = 78W	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	W = White	Blank = No Bi-Level /BL = Bi-Level