AISLED78NW

RAB LIGHTING

Project:		Type:	
Prepared By:		**Date:**	

Driver Info

Type:	Constant Current
120V:	0.82A
208V:	0.52A
240V:	0.45A
277V:	0.4A
Input Watts:	93W
Efficiency:	84%

LED Info

Watts:	78W
Color Temp:	4000K
Color Accuracy:	85 CRI
L70 Lifespan:	100000
Lumens:	5,453
Efficacy:	59 LPW

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

Color: White   Weight: 21.0 lbs

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 luminaries 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.

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):

85 CRI

Correlated Color Temp. (Nominal CCT):

4000K

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 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.

Electrical

Drivers (3):

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

THD:

13.2% at 120V

Input Watts:

93

Optical

Output Lumens:

5453

Fixture Efficacy:

58

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.

California Title 24:

See AISLED78/BL for a 2013 California Title 24 compliant product.__ Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

Technical Specifications (continued)

Other

Patents:

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

Accessories:

Available accessories include protective polyshield 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).
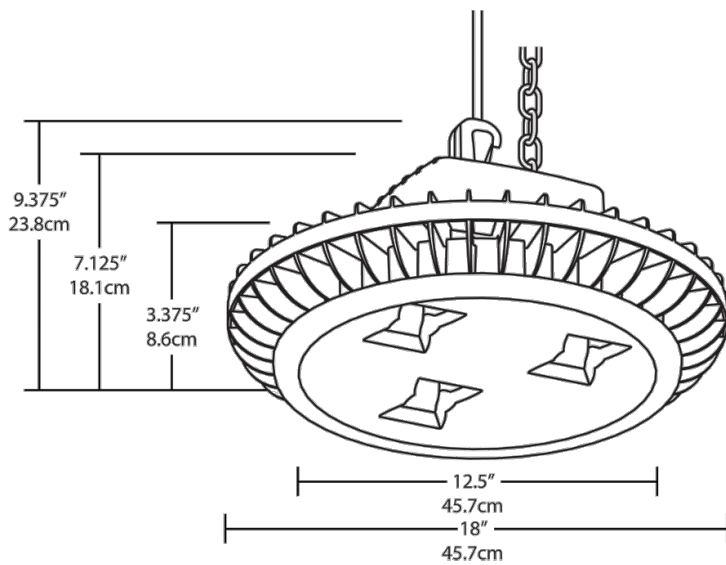
Trade Agreements Act Compliant:

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

9.375"
23.8cm

7.125"
18.1cm

3.375"
8.6cm

12.5"
45.7cm

18"
45.7cm

Features

Efficient, aisle-shaped, vertical illumination

Eliminates hot spots on higher shelves that can cause glare, improving overall visiblity

100,000-hour LED lifespan

5-year warranty

Ordering Matrix

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

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

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