



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 | 91.6W |

LED Info

| | |
|----------------|-----------------|
| Watts | 78W |
| Color Temp | 4000K (Neutral) |
| Color Accuracy | 75 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 9,998 lm |
| Efficacy | 109.1 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.

Electrical

THD:

11.63% at 120V, 9.76% at 277V

Power Factor:

99.1% at 120V, 93.5% at 277V

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

LED Characteristics

LEDs:

Three multi-chip, 26W 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 warranted 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 IES LM-80 results and TM-21 calculations

Wattage Equivalency:

Equivalent to 4 lamp T8 fixtures

Construction

Ambient Temperature:

AISLED will operate from -40°C (-40°F) to 40°C (104°F)

Thermal Management:

Superior thermal management with external air-flow fins



Technical Specifications (continued)

Construction

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:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

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. [Click here to see all accessories.](#)

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.

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 | Finish | Driver Option |
|--------|----------|---|-----------|---|
| AISLED | 78 | N | W | /BL |
| | 78 = 78W | Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm | W = White | Blank = No Option /BL = Bi-Level /D10 = 0-10V Dimming /LC = Lightcloud® Controller /D10/LC = 0-10V Dimming w/ Lightcloud® |