



80W LED Low-Bay fixture with over 5,000 lumens. Available in 80W in two head configuration. Ideal for large indoor spaces, including warehouses, gymnasiums, and distribution centers.

Color: White

Weight: 23.8 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
 120V: 0.68A
 208V: 0.42A
 240V: 0.36A
 277V: 0.30A
 Input Watts: 84W
 Efficiency: 96%

LED Info

Watts: 80W
 Color Temp: 3000K (Warm)
 Color Accuracy: 81 CRI
 L70 Lifespan: 100,000
 Lumens: 5,966
 Efficacy: 71 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

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

Driver:

Constant Current, Class 2, 100-277VAC, 50-60Hz, 120V: 0.68A, 208V: 0.42A, 240V: 0.36A, 277V: 0.30A, 4kV surge protection

Power Factor:

99.6% at 120V, 95.1% at 277V

THD:

4.9% at 120V, 9.5% at 277V

Optical

Optics:

120° downlight

Construction

Ambient Temperature:

Suitable for use in 55°C (131°F)

Thermal Management:

Superior thermal management with external Air-Flow fins.

Housing:

Die-cast aluminum.

IP Rating:

Luminaire heads are rated IP66, protected against dust and water ingress.

Lens:

Solite glass

Reflector:

Vacuum-metallized polycarbonate

Mounting:

Flush mount, V hook for chain mount (chain by others), or 3/4" NPS for pendant mount (pendant by others).

Gaskets:

High temperature silicone gaskets.

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, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

LED Characteristics

Lifespan:

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

LEDs:

Long-life, high-efficiency surface mount LEDs

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 C78.377-2015.

Other

Equivalency:

FALCOR 80W is equivalent to 150 Watt MH.

California Title 24:

FALCOR/D10 with optional 0-10V dimming driver 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 the RAB Stealth Dimmer. Use catalog code STLDIM10 to order a Stealth Dimmer module.

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.

FALCOR with Dimmable Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

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.

Technical Specifications (continued)

Other

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).

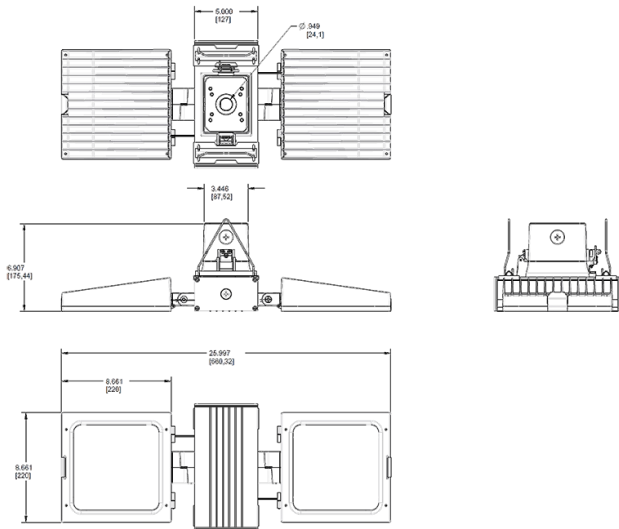
Trade Agreements Act Compliant:

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

- High-output, high performance industrial high bay
- IP66 rating keeps dust and water out
- High ambient temperature rating of 55°C
- Diffusion lens reduces glare
- Multiple mounting options: pendant, surface or chain
- 100,000-Hour LED lifespan
- 5 Year warranty

Ordering Matrix

Family	Watts	Color Temp	Finish	Voltage	Dimming
FALCOR	80 = 80W	= 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	W = White	= 120-277V /480 = 480V	= No Dimming /D10 = Dimmable