



80W LED Low-Bay fixture with over 5,000 lumens. Available in 80W in two head configuration. Ideal for uniform vertical light distribution for improved aisle lighting in environments such as warehouses, and distribution centers. Includes built in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB.

Color: White

Weight: 24.1 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: 80W  
 Efficiency: N/A

#### LED Info

Watts: 80W  
 Color Temp: 4000K  
 Color Accuracy: 75 CRI  
 L70 Lifespan: 100000  
 Lumens: 6,421  
 Efficacy: 80 LPW

## Technical Specifications

### Lightcloud

#### Lightcloud Installed:

Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install.

### 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:

99.7% at 120V, 94.7% at 277V

#### THD:

4.6% at 120V, 9.7% at 277V

### Construction

#### Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

#### Ambient Temperature:

Suitable for use in 55°C (131°F) ambient temperatures.

#### Thermal Management:

Superior thermal management with external Air-Flow fins.

#### Housing:

Precision 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. RoHS compliant components. 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 C78.377-2011.

#### Other

#### Equivalency:

FALCOR 80W is equivalent to 150 Watt MH.

#### California Title 24:

See FALCOR models with 0-10V dimming capability (/D10 suffix in catalog number) 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.

#### 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.

#### 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).

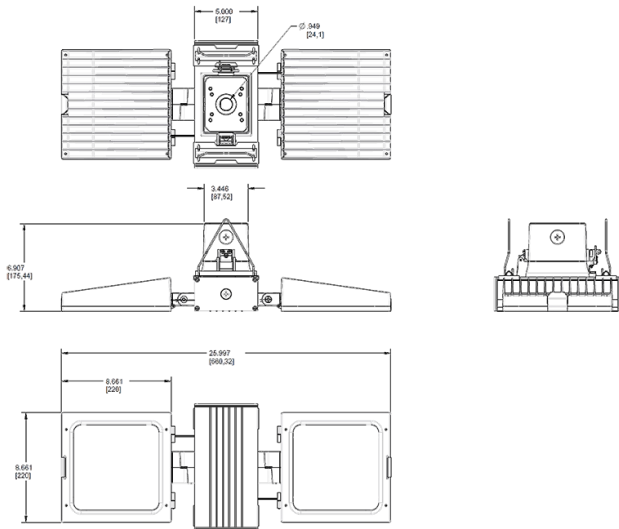
#### Trade Agreements Act Compliant:

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
- Built in support Lightcloud™
- Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD

### Ordering Matrix

Family	Watts	Color Temp	Finish	Dimming	Lightcloud
FALCORA	80	N	W		/LC
	80 = 80W	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	W = White	Blank = No Dimming /D10 = Dimmable	/LC = Lightcloud