FALCOR80NW/LC

RAB LIGHTING

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:	6,678
Efficacy:	84 LPW

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. Includes built in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB.

Color: White   Weight: 24.1 lbs

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.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P8K54B8F

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, 94.9% at 277V

THD:

4.6% at 120V, 9.7% at 277V

Optical

Optics:

120° downlight

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-metalized 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 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.

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.

RAB LIGHTING

Technical Specifications (continued)

Other

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).
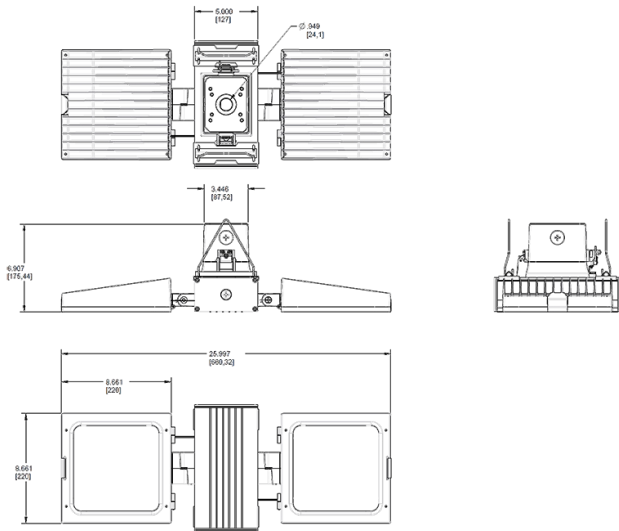
Trade Agreements Act Compliant:

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

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
FALCOR	80	N	W		/LC
	80 = 80W	**Blank** = 5000K (Cool)	**W** = White	**Blank** = No Dimming	**/LC** = Lightcloud
		Y = 3000K (Warm)		**/D10** = Dimmable	
		N = 4000K (Neutral)			

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

Page 2 of 2