

# FALCORA80YW/D10



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.

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:	83W
Efficiency:	96%

### LED Info

Watts:	80W
Color Temp:	3000K (Warm)
Color Accuracy:	81 CRI
L70 Lifespan:	100,000
Lumens:	6,014
Efficacy:	72 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:

99.7% at 120V, 95.2% at 277V

#### THD:

4.9% at 120V, 9.5% at 277V

### 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-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, 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 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 C78.377-2015.

### Other

#### Equivalency:

FALCOR 80W is equivalent to 150 Watt MH.

#### California Title 24:

FALCORA/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.

#### 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).

## Technical Specifications (continued)

### Other

#### Trade Agreements Act Compliant:

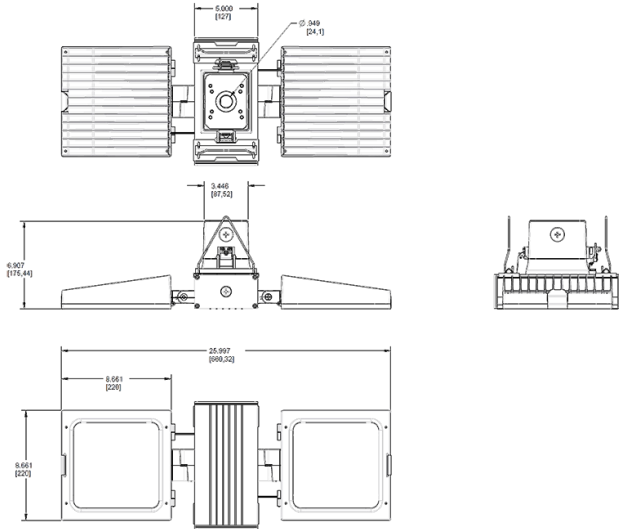
This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

# FALCORA80YW/D10

## 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
FALCORA	80 = 80W	= 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	W = White	= 120-277V /480 = 480V	= No Dimming /D10 = Dimmable