# FXLED300TB46W/PCS



Ultra high output, high efficiency LED floodlight with NEMA Types: 7H x 6V, 6H x 4V, 4H x 6V, 5H x 5V and 3H x 3V. Patent Pending airflow technology ensures long LED and driver lifespan. Use for general and security lighting for large areas, building facades, signs and landscapes.

Color: White

Weight: 66.1 lbs

# **Technical Specifications**

# Listings

### **UL Listing:**

Suitable for wet locations. Suitable for ground mounting.

### IESNA LM-79 & LM-80 Testing:

RAB LED luminaries have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have been 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: PBKR4HTU

# Electrical

# Drivers:

Constant Current, 1050mA, 50/60 Hz, 120-277V, 4 kV surge protection, 120V: 2.69A, 208V: 1.57A, 240V: 1.36A, 277V: 1.18A, THD <20%, Power Factor: 99%

### THD:

7.0% at 120V, 10.8% at 277V

### Photocell:

277V Swivel Photocell Included. Photocell is compatible with 208V-277V.

### Optical

NEMA Type:

NEMA Beam Spread of 4H x 6V

# LED Characteristics

### Lifespan:

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

# LEDs:

Multip-chip, high-output, long-life LEDs

### Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

# 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.

### Construction

### **IP Rating:**

Ingress Protection rating of IP66 for dust and water.

### **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F) ambient temperatures

### Effective Projected Area:

EPA = 4

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Cold Weather Starting: The minimum starting temperature is -40°C/-40°F

### **Thermal Management:**

Superior thermal management with external Air-Flow fins.

### Housing:

Die-cast aluminum housing and door frame

# Project: Type: Prepared By: Date: Driver Info LED Info Type: Constant Current Watts: 300W 120V: 2.69A Color Temp: 5000K Complexity 70 OPI

208V:	N/A	Color Accuracy:	72 CRI
240V:	N/A	L70 Lifespan:	100000
277V:	N/A	Lumens:	34,000
Input Watts:	317W	Efficacy:	107 LPW
Efficiency:	95%		

### Mounting:

Heavy-duty Trunnion mount with stainless steel hardware

### **Reflector:**

Specular and semi-specular vacuum metalized polycarbonate

### 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.

### Other

### **Replacement:**

The FXLED300 replaces 1000W Metal Halide Floodlights.

### 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.



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# **Technical Specifications (continued)**

# Other

### **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:

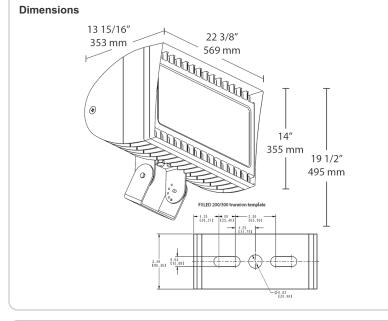
Suitable in accordance with FAR Subpart 25.4.

### American Bureau of Shipping (ABS) :

For use on Mobile Offshore Drilling Units (MODU) and shipping vessels.

### Features

- 300W replaces 1000 MH floodlights
- 100,000-hour LED lifespan
- 5-year No Compromise Warranty



# **Ordering Matrix**

Family	Watts	Mount	Color Temp	Beam Spread	Finish	Dimming	Voltage	Photocell	Bi-Level
FXLED									
	<b>300</b> = 300W	SF = Slipfitter T = Trunnion	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = 7H x 6V B64 = 6H x 4V B55 = 5H x 5V B46 = 4H x 6V B44 = 4H x 4V B33 = 3H x 3V	Blank = Bronze W = White	Blank = No Dimming /D10 = Dimmable	Blank = 120- 277V /480 = 480V	Blank = No Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel /PCS4 = 480V Swivel /PCT = 120-277V Twistlock /PCT4 = 480V Twistlock	Blank = No Bi- Level /BL = Bi-Level