# FXLED300TYB33W/PCT





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

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Type:	Constant Current	Watts:	300W	
120V:	2.69A	Color Temp:	3000K	
208V:	1.57A	Color Accuracy:	81 CRI	
240V:	1.36A	L70 Lifespan:	100000	
277V:	1.18A	Lumens:	29,180	
Input Watts:	314W	Efficacy:	93 LPW	
Efficiency:	96%			

## **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: P3WY47VC

## 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. 10.9% at 277V

#### Photocell:

120V-277V Twistlock Photocell Included. Photocell is compatible with 120V-277V.

### Optical

### **NEMA Type:**

NEMA Beam Spread of 3H x 3V

#### **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:**

3-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.

### **Ambient Temperature:**

Suitable for use in  $40^{\circ}\text{C}$  ( $104^{\circ}\text{F}$ ) ambient temperatures

### **Effective Projected Area:**

EPA = 4

### **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

#### Mounting:

Heavy-duty Trunnion mount with stainless steel

#### 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, and RoHS compliant. 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.



## **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:

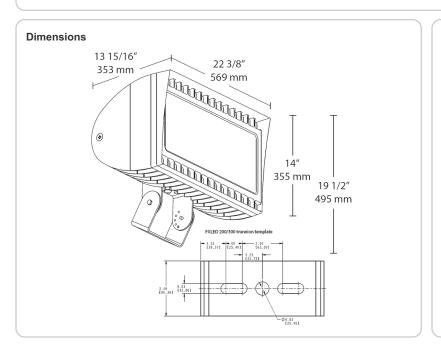
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

### **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.



### **Features**

300W replaces 1000 MH floodlights

100,000-hour LED lifespan

5-year No Compromise Warranty

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