# FXLED500TYW/D10

# RAB

58061

114 LPW



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. Advance thermal design ensures long LED and driver lifespan. Use for general and security lighting for large areas, building facades, signs and landscapes.

Color: White

# **Technical Specifications**

# Listings

#### **UL Listing:**

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

## 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.

## **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: PK4AONQL

# Electrical

### Drivers:

Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 4.27A, 208V: 2.53A, 240V: 2.20A, 277V: 1.84A

## **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

## THD:

5.4% at 120V, 5.2% at 277V

#### **Power Factor:**

99.7% at 120V, 97% at 277V

## Surge Protection:

4kV

#### Optical

**NEMA Type:** 

NEMA Beam Spread 7H x 6V

### **LED Characteristics**

#### Lifespan:

Weight: 71.0 lbs

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

277V:

Input Watts:

Efficiency:

1.84A

511W

98%

# Note:

All values are typical (tolerance +/- 10%)

# LEDs:

Multip-chip, high-output, long-life 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 C78.377-2017.

# Construction

# **IP Rating:**

Ingress Protection rating of IP66 for dust and water

## Vibration Rating:

2G vibration rating per ANSI C136.31.

#### **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

# Ambient Temperature:

SuitableFor use in 40°C (104°F) ambient temperatures.

#### **Effective Projected Area:**

EPA = 4

#### **Thermal Management:**

Superior thermal management with external "Air-Flow" fins.

#### Housing:

Die-cast aluminum housing with lens frame.

## Mounting:

Heavy-duty Trunnion mount with stainless steel hardware

#### **Reflector:**

Specular vacuum metalized polycarbonate; semispecular on flat trim edge.

#### Lens:

Clear glass lens

# Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high-durability and long lasting color.

#### Project: Type: Prepared By: Date: **Driver Info** LED Info Constant Current 500W Type: Watts 120V: 4.27A Color Temp: 3000K 208V: 2.53A Color Accuracy: 72 CRI 2.20A 240V: 100000 L70 Lifespan:

Lumens:

Efficacy:

# FXLED500TYW/D10

# **Technical Specifications (continued)**

# Construction

# Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

# Other

# American Bureau of Shipping (ABS) :

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

# Dimensions

# Replacement:

Replaces 1500W Metal Halide

## 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.

## **Buy American Act Compliance:**

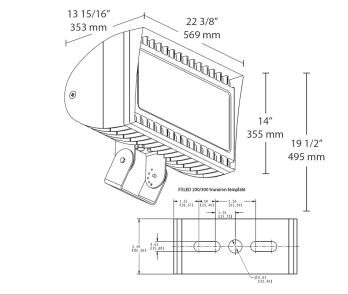
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

# Features

500W replaces 1500W MH floodlights

100,000-hour LED lifespan

5-year No Compromise Warranty



# **Ordering Matrix**

Family	Wattage	Mounting	Color Temp	Beam Option	Finish	Voltage	Driver	Options
FXLED	500	Т	Y		W		/D10	
	<b>500</b> = 500W	SF = Slipfitter T = Trunnion	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	<b>Blank</b> = 7H x 6V <b>B64</b> = 6H x 4V <b>B55</b> = 5H x 5V <b>B46</b> = 4H x 6V <b>B33</b> = 3H x 3V	Blank = Bronze W = White	Blank = 120- 277V /480 = 480V	/ <b>D10</b> = 0-10V Dimming (standard)	Blank = No Option /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /PCT = 120-277V 3PIN Twistlock Photocell /PCT4 = 480V 3PIN Twistlock Photocell /SP = 10KV Surge Suppresor /LC = Lightcloud® Controller (120- 277V only) /BL = Bi-Level (120-277V only)