# FXLED500SFYW/D10/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. 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 Weight: 70.5 lbs

Project:	Туре:
Prepared By:	Date:

	LED Info	
Constant Current	Watts:	500W
4.27A	Color Temp:	3000K
2.53A	Color Accuracy:	72 CRI
2.20A	L70 Lifespan:	100000
1.84A	Lumens:	58061
511W	Efficacy:	114 LPW
98%		
	4.27A 2.53A 2.20A 1.84A 511W	Constant Current Watts: 4.27A Color Temp: 2.53A Color Accuracy: 2.20A L70 Lifespan: 1.84A Lumens: 511W Efficacy:

# **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

# Photocell:

120-277V twistlock photocell included. Photocell is compatible with 120-277V.

## Optical

#### **NEMA Type:**

NEMA Beam Spread 7H x 6V

# **LED Characteristics**

#### Lifespan:

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

#### 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 Slipfitter for 2 3/8"OD pipe.

# Reflector:

Specular vacuum metalized polycarbonate; semispecular on flat trim edge.

# Lens:

Clear glass lens

#### Gaskets:

High-temperature silicone gaskets



# **Technical Specifications (continued)**

#### Construction

#### Finish:

Formulated for high-durability and long lasting color.

## 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.

#### Replacement:

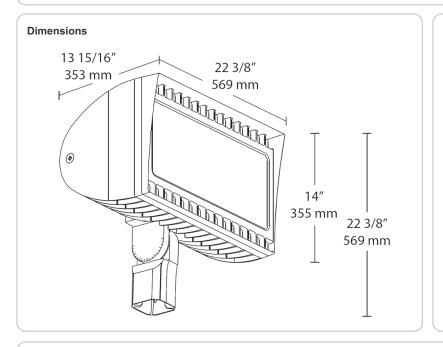
Replaces 1500W Metal Halide

#### 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

Family	Wattage	Mounting	Color Temp	Beam Option	Finish	Voltage	Driver	Options
XLED	500	SF	Υ		W		/D10	/PCT
	<b>500</b> = 500W	SF = Slipfitter T = Trunnion	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = 7H x 6V B64 = 6H x 4V B55 = 5H x 5V B46 = 4H x 6V B33 = 3H x 3V	Blank = Bronze W = White	Blank = 120- 277V / <b>480</b> = 480V	/D10 = 0-10V Dimming (standard)	Blank = No Option  /PCS = 120V Swivel Photocell  /PCS2 = 277V Swivel Photocel  /PCS4 = 480V Swivel Photocel  /PCT = 120-277V 3PIN Twistloce  Photocell  /PCT4 = 480V 3PIN Twistlock  Photocell  /SP = 10KV Surge Suppresor  /LC = Lightcloud® Controller (12  277V only)  /BL = Bi-Level (120-277V only)