# FXLED500SFYB46W/D10/SP



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: PKNBW0KC

## 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:

5.7% at 120V, 5.5% at 277V

#### **Power Factor:**

99.7% at 120V, 97.2% at 277V

#### Surge Protection:

10kV

# Optical

NEMA Type:

NEMA Beam Spread 4H x 6V

#### LED Characteristics

#### Lifespan:

Weight: 70.5 lbs

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

#### Finish:

Formulated for high-durability and long lasting color.

# Project: Type: Prepared By: Date:

# Driver Info

 Type:
 Constant Current

 120V:
 4.27A

 208V:
 2.53A

 240V:
 2.20A

 277V:
 1.84A

 Input Watts:
 510W

 Efficiency:
 98%

# LED Info Watts: Color Temp: Color Accuracy: L70 Lifespan: Lumens: Efficacy:

3000K 72 CRI 100000 54942 108 LPW

500W

RAE

# **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:** 

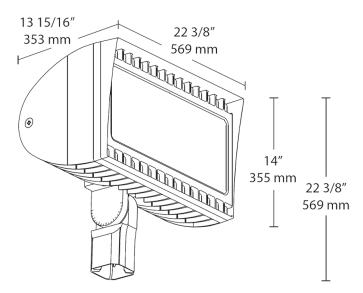
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

# 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	SF	Y	B46	W		/D10	/SP
	<b>500</b> = 500W	SF = Slipfitter T = Trunnion	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	$Blank = 7H \times 6V$ $B64 = 6H \times 4V$ $B55 = 5H \times 5V$ $B46 = 4H \times 6V$ $B33 = 3H \times 3V$	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)