# FXLED105SFYW/480/PCS4





Ultra high output, high efficiency LED floodlight with wide NEMA type 6H x 6V beam spread. 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: 25.0 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Type:	Constant Current	Watts:	105W	
120V:	N/A	Color Temp:	3000K (Warm)	
208V:	N/A	Color Accuracy:	81 CRI	
240V:	N/A	L70 Lifespan:	100,000	
277V:	N/A	Lumens:	9,105	
Input Watts:	N/A	Efficacy:	N/A	
Efficiency:	N/A			



# **Technical Specifications**

#### Other

#### **FXLED105 with Photocell:**

480V Swivel Photocell Included. Photocell is only compatible with 480V.

#### California Title 24:

FXLED105SF/480/PCS4 complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted at height greater than 24 feet.

#### 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.

## Patents:

The design of FXLED105 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### **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.

## 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.

## **LED Characteristics**

#### Lifespan:

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

#### I FDs:

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°C (104°F) ambient temperatures.

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

FPA = 2

## **Cold Weather Starting:**

The minimum starting temperature is -40°F/-40°C.

#### Thermal Management:

Superior thermal management with external Air-Flow fins.

#### Housing:

Die-cast aluminum housing and door frame

#### Mounting:

Heavy-duty Slipfitter for 2 3/8"OD pipe.

#### Reflector:

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.

# **Technical Specifications (continued)**

# Construction

# **Green Technology:**

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

# **Electrical**

# Drivers:

Two Drivers, Constant Current, Class 2, 1400mA, 347-480V, 50/60Hz, 0.25A, Power Factor 99%

## **Ballast Volts:**

480V

# Optical

# NEMA Type:

NEMA Beam Spread of 6H x 6V

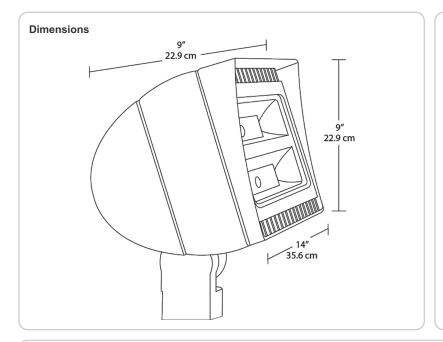
## **Sensor Characteristics**

# Field & Beam Angles:

Horizontal Beam Angle (50%): 91.8°, Vertical Beam Angle (50%): 73.5° Horizontal Field Angle (10%): 121.0°, Vertical Field Angle (10%): 108.0°

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# **Features**

66% energy cost savings vs. HID

NEMA Type - 6H x 6V

Air-Flow technology heat dissipation

100,000-hour LED lifespan

5-year warranty

Ordering Matrix									
Family	Watts	Mount	Color Temp	Finish	Photocell	Voltage	Bi-Level		
FXLED									
	<b>105</b> = 105W	T = Trunnion SF = Slipfitter	Blank = Cool Y = Warm N = Neutral	Blank = Bronze W = White	Blank = No Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel /PCS4 = 480V Swivel	Blank = 120-277V /480 = 480V	Blank = No Bi-Level /BL = Bi-Level		