# FXLED105SF/BL





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: Bronze Weight: 25.0 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Гуре:	Constant Current	Watts:	105W	
120V:	0.89A	Color Temp:	5000K	
208V:	0.58A	Color Accuracy:	65 CRI	
240V:	0.50A	L70 Lifespan:	100000	
277V:	0.44A	Lumens:	10,908	
nput Watts:	107W	Efficacy:	102 LPW	
Efficiency:	98%			



# **Technical Specifications**

#### Other

## FXLED105SF with Bi-Level Operation:

Allows 50% and 100% output modes.

#### California Title 24:

FXLED105SF/BL with bi-level operation complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted up to 24 feet when used with a RAB photo/motion control. Select a photo/motion control using catalog number STL110, STL200 or STL360. Mounting heights greater than 24 feet require only a photocell. See FXLED105SF/PCS or FXLED105SF/PCS2 (277V) for photocell versions.

#### 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.

## **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: P0000176N

# LED Characteristics

# Lifespan:

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

#### I FDe

Multip-chip, high-output, long-life LEDs

#### Color Consistency:

7-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.

## **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F) ambient temperatures

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

EPA = 2

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

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

### Thermal Management:

Superior thermal management with external Air-Flow fine

#### 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

# **Technical Specifications (continued)**

# Construction

## 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. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

# Electrical

## Drivers:

Two Drivers, Constant Current, Class 2, 1400mA, 100-277V, 50/60Hz, 0.8A, Power Factor 99%

#### THD

7.6% at 120V, 15.8% at 277V

# Optical

# **NEMA Type:**

NEMA Beam Spread of 6H x 6V

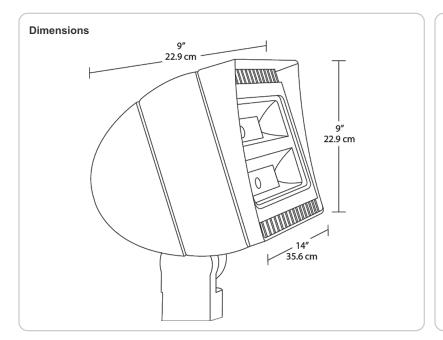
## **Sensor Characteristics**

## 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°

# FXLED105SF/BL





# **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

Family	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Bi-Level
XLED							
	<b>105</b> = 105W	<b>T</b> = Trunnion	Blank = 5000K (Cool)	Blank = Bronze	<b>Blank</b> = 120-277V	Blank = No Photocell	Blank = No Bi-Lev
		SF = Slipfitter	<b>Y</b> = 3000K (Warm)	W = White	<b>/480</b> = 480V	/PCT = 120-277V Twistlock Photocell	/BL = Bi-Level
		•	<b>N</b> = 4000K (Neutral)			/PCT4 = 480V Twistlock Photocell	