# FXLED105SFN/BL





Project:		Туре:		
Prepared By:		Date:		
Driver Info		LED Info		
Туре:	Constant Current	Watts:	105W	
120V:	0.89A	Color Temp:	4000K (Neutral)	
1200.				
	0.58A	Color Accuracy:	82 CRI	
208V: 240V:	0.58A 0.50A	Color Accuracy: L70 Lifespan:	82 CRI 100,000	
208V:				
208V: 240V:	0.50A	L70 Lifespan:	100,000	

### **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.

#### LED Characteristics

#### Lifespan:

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

#### LEDs:

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:

EPA = 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

## **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, 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, 100-277V, 50/60Hz, 0.8A, Power Factor 99%

#### THD:

7.5% at 120V, 16.1% at 277V

#### Optical

#### NEMA Type:

NEMA Beam Spread of 6H x 6V

Sensor Characteristics

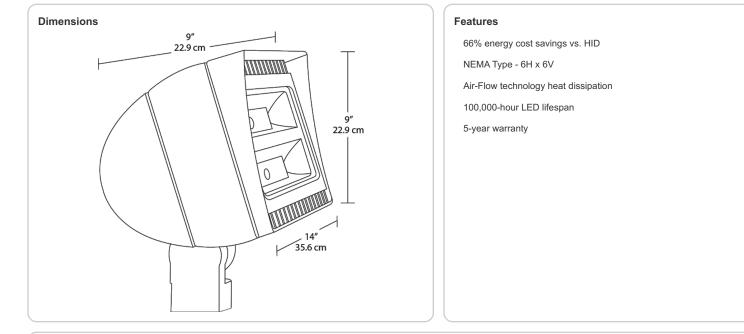
#### Field & Beam Angles:

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



# FXLED105SFN/BL





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