

# 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:**

**Type:**

**Prepared By:**

**Date:**

### Driver Info

Type:	Constant Current
120V:	0.89A
208V:	0.58A
240V:	0.50A
277V:	0.44A
Input Watts:	107W
Efficiency:	98%

### LED Info

Watts:	105W
Color Temp:	5000K
Color Accuracy:	65 CRI
L70 Lifespan:	100000
Lumens:	10,908
Efficacy:	102 LPW

## 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.

#### LEDs:

Multi-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 warranted 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 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. 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°

### Dimensions



### 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	Voltage	Photocell	Bi-Level
FXLED	105 = 105W	T = Trunnion SF = Slipfitter	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White	Blank = 120-277V /480 = 480V	Blank = No Photocell /PCT = 120-277V Twistlock Photocell /PCT4 = 480V Twistlock Photocell	Blank = No Bi-Level /BL = Bi-Level