# FXLED150SFYW/BL

**RAB** LIGHTING

| Project: | Type: |
|---|---|
| **Prepared By:** | **Date:** |

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

**Driver Info**

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 1.31A |
| 208V: | 0.80A |
| 240V: | 0.69A |
| 277V: | 0.60A |
| Input Watts: | 153W |
| Efficiency: | 98% |

**LED Info**

| | |
|---|---|
| Watts: | 150W |
| Color Temp: | 3000K (Warm) |
| Color Accuracy: | 80 CRI |
| L70 Lifespan: | 100,000 |
| Lumens: | 11,774 |
| Efficacy: | 77 LPW |

## Technical Specifications

### Other

#### FXLED150SF with Bi-Level Operation:

Allows 50% and 100% output modes.

#### California Title 24:

FXLED150SF/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 FXLED150SF/PCS or FXLED150SF/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 FXLED150 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, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

#### THD:

5.1% at 120V, 13.4% at 277V

### Optical

#### NEMA Type:

NEMA Beam Spread of 6H x 6V
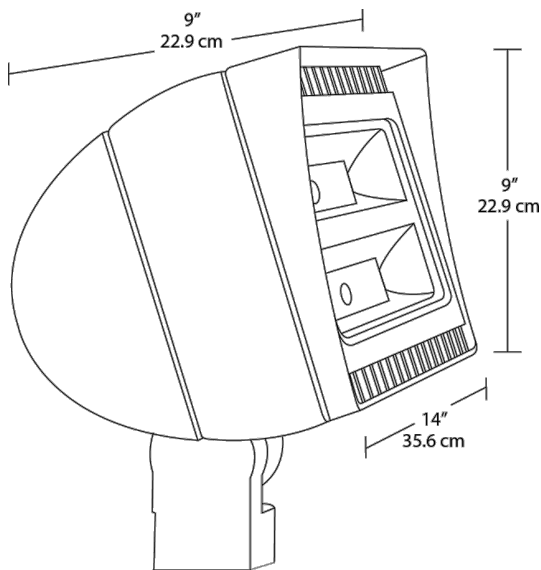
#### Replacement:

The FXLED150 replaces 400W Metal Halide Floodlights.

### 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 | Dimming Driver | Photocell | Voltage | Bi-Level |
|---|---|---|---|---|---|---|---|---|
| FXLED | | | | | | | | |
| | **150** = 150W | **T** = Trunnion | **Blank** = Cool | **Blank** = Bronze | **Blank** = No Dimming | **Blank** = No Photocell | **Blank** = 120-277V | **Blank** = No Bi-Level |
| | | **SF** = Slipfitter | **Y** = Warm | **W** = White | **/D10** = 0-10V Dimming | **/PCS** = 120V Swivel | **/480** = 480V | **/BL** = Bi-Level |
| | | | **N** = Neutral | | | **/PCS2** = 277V Swivel | | |
| | | | | | | **/PCS4** = 480V Swivel | | |

Need help? Tech help line: **888 RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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