



Ultra high output, high efficiency LED floodlight with NEMA Types: 7H x 6V, 6H x 4V, 4H x 6V, 5H x 5V and 3H x 3V. 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: 66.1 lbs

|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info  |                  | LED Info        |         |
|--------------|------------------|-----------------|---------|
| Type:        | Constant Current | Watts:          | 300W    |
| 120V:        | 2.69A            | Color Temp:     | 4000K   |
| 208V:        | 1.57A            | Color Accuracy: | 82 CRI  |
| 240V:        | 1.36A            | L70 Lifespan:   | 100000  |
| 277V:        | 1.18A            | Lumens:         | 34,800  |
| Input Watts: | 316W             | Efficacy:       | 110 LPW |
| Efficiency:  | 95%              |                 |         |

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations. Suitable for ground mounting.

#### DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires 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.

### Electrical

#### Drivers:

Constant Current, 1050mA, 50/60 Hz, 120-277V, 4 kV surge protection, 120V: 2.69A, 208V: 1.57A, 240V: 1.36A, 277V: 1.18A, THD <20%, Power Factor: 99%

#### THD:

7.0% at 120V, 11.0% at 277V

### Optical

#### NEMA Type:

NEMA Beam Spread of 7H x 6V

### 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 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 = 4

#### 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 Trunnion mount with stainless steel hardware

#### Reflector:

Specular and semi-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.

#### Green Technology:

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

### Other

#### Replacement:

The FXLED300 replaces 1000W Metal Halide Floodlights.

#### 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.

#### 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.

## Technical Specifications (continued)

### Other

#### 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.

#### American Bureau of Shipping (ABS) :

For use on Mobile Offshore Drilling Units (MODU) and shipping vessels.

### Dimensions



### Features

- 300W replaces 1000 MH floodlights
- 100,000-hour LED lifespan
- 5-year No Compromise Warranty

### Ordering Matrix

| Family | Watts             | Mount   | Color Temp   | Beam Spread  | Finish                                    | Dimming   | Voltage                                       | Photocell   | Bi-Level  |
|--------|-------------------|---|--|--|---|---|---|---|---|
| FXLED  |                   |   |  |  |   |   |   |   |   |
|        | <b>300</b> = 300W | <b>SF</b> = Slipfitter<br><b>T</b> = Trunnion | <b>Blank</b> = 5000K (Cool)<br><b>Y</b> = 3000K (Warm)<br><b>N</b> = 4000K (Neutral) | <b>Blank</b> = 7H x 6V<br><b>B64</b> = 6H x 4V<br><b>B55</b> = 5H x 5V<br><b>B46</b> = 4H x 6V<br><b>B44</b> = 4H x 4V<br><b>B33</b> = 3H x 3V | <b>Blank</b> = Bronze<br><b>W</b> = White | <b>Blank</b> = No Dimming<br><b>/D10</b> = Dimmable | <b>Blank</b> = 120-277V<br><b>/480</b> = 480V | <b>Blank</b> = No Photocell<br><b>/PCS</b> = 120V Swivel<br><b>/PCS2</b> = 277V Swivel<br><b>/PCS4</b> = 480V Swivel<br><b>/PCT</b> = 120-277V Twistlock<br><b>/PCT4</b> = 480V Twistlock | <b>Blank</b> = No Bi-Level<br><b>/BL</b> = Bi-Level |