



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

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	300W
120V:	2.69A	Color Temp:	3000K
208V:	N/A	Color Accuracy:	81 CRI
240V:	N/A	L70 Lifespan:	100000
277V:	N/A	Lumens:	31,180
Input Watts:	314W	Efficacy:	99 LPW
Efficiency:	96%		

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for ground mounting.

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.

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: PY8U24N2

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

Photocell:

277V Swivel Photocell Included. Photocell is compatible with 208V-277V.

Optical

NEMA Type:

NEMA Beam Spread of 6H x 4V

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:

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 Slipfitter for 2 3/8"OD pipe.

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

California Title 24:

See FXLED300SF/D10, FXLED300SF/BL, FXLED300/PCS or FXLED300SF/PCS2 (277V) for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

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.

Technical Specifications (continued)

Other

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.

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	300 = 300W	SF = Slipfitter T = Trunnion	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = 7H x 6V B64 = 6H x 4V B55 = 5H x 5V B46 = 4H x 6V B44 = 4H x 4V B33 = 3H x 3V	Blank = Bronze W = White	Blank = No Dimming /D10 = Dimmable	Blank = 120-277V /480 = 480V	Blank = No Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel /PCS4 = 480V Swivel /PCT = 120-277V Twistlock /PCT4 = 480V Twistlock	Blank = No Bi-Level /BL = Bi-Level