FXLED300SFNB64/LC

RAB
LIGHTING

Project:	**Type:**
Prepared By:	**Date:**

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. Includes built in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB.

Color: Bronze   Weight: 66.1 lbs

Driver Info

Type:	Constant Current
120V:	2.69A
208V:	1.57A
240V:	1.36A
277V:	1.18A
Input Watts:	314W
Efficiency:	95%

LED Info

Watts:	300W
Color Temp:	4000K
Color Accuracy:	82 CRI
L70 Lifespan:	100000
Lumens:	32788
Efficacy:	104 LPW

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Technical Specifications

Lightcloud

Lightcloud Installed:

Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install.

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: PRG7NQ5T

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:

6.8% at 120V, 10.6% at 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:

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 C78.377-2015.

Replacement:

Replaces 1000W Metal Halide

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Maximum Ambient Temperature:

SuitableFor use in 40°C (104°F) ambient temperatures

Effective Projected Area:

EPA = 4

Cold Weather Starting:

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:

Formulated for high-durability and long lasting color.

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.

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.
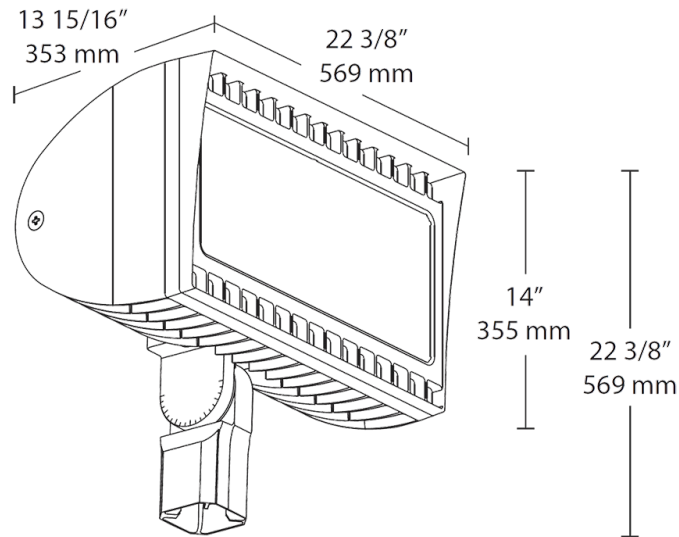
Technical Specifications (continued)

Other

American Bureau of Shipping (ABS) :

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

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Dimensions

13 15/16″
353 mm

22 3/8″
569 mm

14″
355 mm

22 3/8″
569 mm

Features

300W replaces 1000 MH floodlights

100,000-hour LED lifespan

5-year No Compromise Warranty

Lightcloud wireless control system built in

Easy setup - simply power on and call 844-LIGHTCLOUD

Ordering Matrix

Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver Options	Options
FXLED	300	SF	N	B64			/LC
	200 = 200W **300** = 300W	**SF** = Slipfitter **T** = Trunnion	**Blank** = 5000K (Cool) **N** = 4000K (Neutral) **Y** = 3000K (Warm)	**Blank** = 7H x 6V **B64** = 6H x 4V **B55** = 5H x 5V **B33** = 3H x 3V **B46** = 4H x 6V	**Blank** = Bronze **W** = White	**Blank** = 120V **/480** = 480V **/BL** = Bi-Level (Slipfitters only) **/D10** = 0-10V Dimming	**Blank** = No option **/PCS** = 120V Swivel **/PCS2** = 277V Swivel **/PCT** = 120-277V Twistlock **/PCT4** = 480V Twistlock **/PCS4** = 480V Swivel **/LC** = Lightcloud Controller