FXLED500TYB55W/D10/PCT

RAB

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

Driver Info

Type:	Constant Current
120V:	4.27A
208V:	2.53A
240V:	2.20A
277V:	1.84A
Input Watts:	511W
Efficiency:	98%

LED Info

Watts:	500W
Color Temp:	3000K
Color Accuracy:	72 CRI
L70 Lifespan:	100000
Lumens:	57206
Efficacy:	112 LPW

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. Advance thermal design ensures long LED and driver lifespan. Use for general and security lighting for large areas, building facades, signs and landscapes.

Color: White   Weight: 71.0 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

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.

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: PZZFKRFX

Electrical

Drivers:

Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 4.27A, 208V: 2.53A, 240V: 2.20A, 277V: 1.84A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

THD:

5.5% at 120V, 5.2% at 277V

Power Factor:

99.7% at 120V, 97% at 277V

Surge Protection:

4kV

Photocell:

120-277V twistlock photocell included. Photocell is compatible with 120-277V.

Optical

NEMA Type:

NEMA Beam Spread 5H x 5V

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Note:

All values are typical (tolerance +/- 10%)

LEDs:

Multip-chip, high-output, long-life LEDs

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 C78.377-2017.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Vibration Rating:

2G vibration rating per ANSI C136.31.

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Ambient Temperature:

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

Effective Projected Area:

EPA = 4

Thermal Management:

Superior thermal management with external "Air-Flow" fins.

Housing:

Die-cast aluminum housing with lens frame.

Mounting:

Heavy-duty Trunnion mount with stainless steel hardware

Reflector:

Specular vacuum metalized polycarbonate; semi-specular on flat trim edge.

Lens:

Clear glass lens

Gaskets:

High-temperature silicone gaskets

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

Page 1 of 2

Technical Specifications (continued)

Construction

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

American Bureau of Shipping (ABS) :

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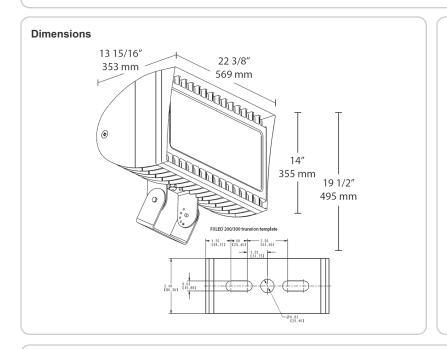
Replacement:

Replaces 1500W Metal Halide

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.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions

13 15/16" 353 mm

22 3/8" 569 mm

14" 355 mm

19 1/2" 495 mm

FXLED 200/300 trunnion template

Features

500W replaces 1500W MH floodlights

100,000-hour LED lifespan

5-year No Compromise Warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	Beam Option	Finish	Voltage	Driver	Options
FXLED	500	T	Y	B55	W		/D10	/PCT
	500 = 500W	**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 **B46** = 4H x 6V **B33** = 3H x 3V	**Blank** = Bronze **W** = White	**Blank** = 120-277V **/480** = 480V	**/D10** = 0-10V Dimming (standard)	**Blank** = No Option **/PCS** = 120V Swivel Photocell **/PCS2** = 277V Swivel Photocell **/PCS4** = 480V Swivel Photocell **/PCT** = 120-277V 3PIN Twistlock Photocell **/PCT4** = 480V 3PIN Twistlock Photocell **/SP** = 10KV Surge Suppresor **/LC** = Lightcloud® Controller (120-277V only) **/BL** = Bi-Level (120-277V only)

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Page 2 of 2