# FXLED500TNB55/480/D10/SP





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: Bronze Weight: 71.0 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Type:	Constant Current	Watts:	500W	
120V:	N/A	Color Temp:	4000K	
208V:	N/A	Color Accuracy:	74 CRI	
240V:	N/A	L70 Lifespan:	100000	
277V:	N/A	Lumens:	56888	
Input Watts:	490W	Efficacy:	116 LPW	
Efficiency:	N/A			

## **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: P49R2IBS

## Electrical

## Drivers:

Constant Current, Class 1, 480, 50/60 Hz, 480V: 1.08A

## **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:

13.3% at 480V

## **Power Factor:**

96% at 480V

## **Surge Protection:**

10kV

## 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:**

FPA = 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; semispecular on flat trim edge.

## Lens:

Clear glass lens

## Gaskets:

High-temperature silicone gaskets

## Finish:

Formulated for high-durability and long lasting color.



## **Technical Specifications (continued)**

## Construction

## Green Technology:

**Ordering Matrix** 

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:

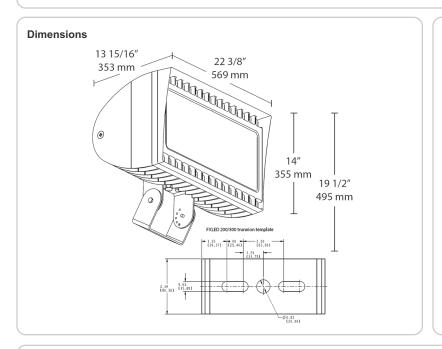
Replaces 1500W Metal Halide

#### 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.



## **Features**

500W replaces 1500W MH floodlights

100,000-hour LED lifespan

5-year No Compromise Warranty

Family Wa	attage	Mounting	Color Temp	Beam Option	Finish	Voltage	Driver	Options
FXLED 5	500	Т	N	B55		/480	/D10	/SP
	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

277V only)
/BL = Bi-Level (120-277V only)