



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 façades, signs and landscapes.

Color: White

Weight: 71.7 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	4.27A
208V	2.53A
240V	2.20A
277V	1.84A
Input Watts	515.7W

LED Info

Watts	500W
Color Temp	4000K (Neutral)
Color Accuracy	75 CRI
L70 Lifespan	100,000 Hours
Lumens	64,797
Efficacy	125.6 lm/W

Technical Specifications

Compliance

UL Listed:

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 listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.

DLC Product Code: PE5PXWJI

Electrical

Drivers:

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

THD:

6.12% at 120V, 5.64% at 277V

Power Factor:

99.7% at 120V, 97.1% at 277V

Surge Protection:

4kV

Note:

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

Optical

NEMA Type:

NEMA Beam Spread 7H x 6V

Performance

Lifespan:

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

LED Characteristics

LEDs:

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

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of 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

Construction

2G vibration rating per ANSI C136.31

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

Suitable for use in up to 40°C (104°F)

FPA = 4

Superior thermal management with external "Air-Flow" fins

Die-cast aluminum housing with lens frame

Heavy-duty Trunnion mount with stainless steel hardware

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

Clear glass lens

High-temperature silicone gaskets

Formulated for high durability and long-lasting color

Mercury and UV free. RoHS-compliant components.

Equivalent to 1500W Metal Halide

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

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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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.

500W replaces 1500W MH floodlights
100,000-hour LED lifespan
5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver Options	Options
FXLED	500	T	N		W	/D10	
<div> <div>500 = 500W</div> <div>SF = Slipfitter T = Trunnion</div> <div>Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)</div> <div>Blank = 7H x 6V B64 = 6H x 4V B55 = 5H x 5V B46 = 4H x 6V B33 = 3H x 3V</div> <div>Blank = Bronze W = White</div> <div>/D10 = 0-10V Dimming /480/D10 = 480V w/ 0-10V Dimming</div> <div>Blank = No Option /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /PCT = 120-277V 3-Pin Twistlock Photocell /PCT4 = 480V 3-Pin Twistlock Photocell /SP = 10kV Surge Suppressor /LC = Lightcloud® Controller (120-277V only) ¹ /SP/LC = 10kV Surge Suppressor w/ Lightcloud® Controller /BL = Bi-Level (120-277V only) ¹</div> </div>							

¹ Only for 120-277V