



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

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	500W
120V:	4.27A	Color Temp:	5000K
208V:	2.53A	Color Accuracy:	74 CRI
240V:	2.20A	L70 Lifespan:	100000
277V:	1.84A	Lumens:	59530
Input Watts:	504W	Efficacy:	118 LPW
Efficiency:	99%		

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 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: P80FMT2C

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:

5.7% at 120V, 5.7% at 277V

Power Factor:

99.7% at 120V, 96.7% at 277V

Surge Protection:

4kV

Photocell:

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

Optical

NEMA Type:

NEMA Beam Spread 7H x 6V

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:

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

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 C78.377-2017.

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:

Suitable for 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

