



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

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type:	Constant Current	Watts:	500W
120V:	4.27A	Color Temp:	3000K
208V:	2.53A	Color Accuracy:	72 CRI
240V:	2.20A	L70 Lifespan:	100000
277V:	1.84A	Lumens:	53236
Input Watts:	509W	Efficacy:	105 LPW
Efficiency:	98%		

## Technical Specifications

### Lightcloud

#### Lightcloud Controller 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 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: PA55WPBG

### 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:

5.8% at 120V, 5.6% at 277V

#### Power Factor:

99.6% at 120V, 97.2% at 277V

#### Surge Protection:

4kV

### Optical

#### NEMA Type:

NEMA Beam Spread of 3H x 3V

### 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 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:

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

