



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:     | 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

### 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 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

### 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 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

## 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



## 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                               |   |   | W                           |                                 | /D10                            | /LC   |
|        | 500 = 500W | SF = Slipfitter<br>T = Trunnion | Blank = 5000K (Cool)<br>N = 4000K (Neutral)<br>Y = 3000K (Warm) | Blank = 7H x 6V<br>B64 = 6H x 4V<br>B55 = 5H x 5V<br>B46 = 4H x 6V<br>B33 = 3H x 3V | Blank = Bronze<br>W = White | Blank = 120-277V<br>/480 = 480V | /D10 = 0-10V Dimming (standard) | Blank = No Option<br>/PCS = 120V Swivel Photocell<br>/PCS2 = 277V Swivel Photocell<br>/PCS4 = 480V Swivel Photocell<br>/PCT = 120-277V 3PIN Twistlock Photocell<br>/PCT4 = 480V 3PIN Twistlock Photocell<br>/SP = 10KV Surge Suppressor<br>/LC = Lightcloud® Controller (120-277V only)<br>/BL = Bi-Level (120-277V only) |