

# FXLED78SF/PCS2



High power, wide distribution LED floodlight. Replaces 250W MH. Patent Pending airflow technology ensures long LED and driver lifespan. Use for building facade lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: Bronze

Weight: 24.0 lbs

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

| <b>Driver Info</b> |                  | <b>LED Info</b> |              |
|--------------------|------------------|-----------------|--------------|
| Type:              | Constant Current | Watts:          | 78W          |
| 120V:              | N/A              | Color Temp:     | 5100K (Cool) |
| 208V:              | 0.41A            | Color Accuracy: | 67 CRI       |
| 240V:              | 0.35A            | L70 Lifespan:   | 100,000      |
| 277V:              | 0.30A            | Lumens:         | 7,597        |
| Input Watts:       | 79W              | Efficacy:       | 97 LPW       |
| Efficiency:        | 99%              |                 |              |

## Technical Specifications

### Other

#### FXLED78 with Photocell:

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

#### Lifespan:

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

#### Equivalency:

The FXLED78 is Equivalent in delivered lumens to a 250W Metal Halide.

#### California Title 24:

FXLED78SF/PCS2 complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted at height greater than 24 feet. For mounting heights < 24 feet see FXLED78SF/BL with bi-level operation; additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

#### 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.

#### Patents:

The FXLED78 design is protected by U.S. Pat. D659,280, Canada Pat. 143155, China Pat. ZL201130443125.9, Mexico Pat. 36558 and pending patent in Taiwan.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

#### Listings

##### UL Listing:

Suitable for wet locations. Suitable for ground mounting.

##### 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, and have received the Department of Energy "Lighting Facts" label.

##### DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

#### Construction

##### IP Rating:

Ingress Protection rating of IP66 for dust and water.

##### EPA:

2

##### Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

##### Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

#### Thermal Management:

Superior heat sinking with external Air-Flow fins.

#### Housing:

Die-cast aluminum housing and door frame.

#### Mounting:

Heavy-duty Slip Fitter for 2 3/8"OD pipe.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets.

#### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

#### Green Technology:

Mercury and UV free.

#### Optical

##### NEMA Type:

NEMA Beam Spread of 6H x 5V

## Technical Specifications (continued)

### Optical

#### Replacement Range:

The FXLED78 can be used to replace 150 - 320W Metal Halide Floodlights based on delivered lumens.

#### LED Characteristics

##### LEDs:

Six multi-chip, 13Watt high-output, long-life LEDs.

##### Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

#### 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 (SSL) Products, ANSI C78.377-2008.

#### Electrical

##### Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

#### THD:

5% at 120V, 13.1% at 277V

#### Surge Protection:

4kV

### Dimensions



### Features

- 78 Watt high-performance LED
- Replaces 250W MH floodlights
- 100,000 hour life based on LM-80 tests
- Air-flow technology heatsink
- NEMA type - 6H x 5V
- Slipfitter and trunnion mounting available
- 5-year warranty

### Ordering Matrix

| Family | Watts    | Mount  | Color Temp                              | Finish                      | Dimming                               | Voltage                             | Photocell  | Bi-Level                              |
|--------|----------|--|---|-----------------------------|---------------------------------------|-------------------------------------|--|---------------------------------------|
| FXLED  | 78 = 78W | Blank = Arm<br>T = Trunnion<br>SF = Slipfitter | Blank = Cool<br>Y = Warm<br>N = Neutral | Blank = Bronze<br>W = White | Blank = No Dimming<br>/D10 = Dimmable | Blank = 120-277V<br>/480 = 480 Volt | Blank = No Photocell<br>/PCS = 120V Swivel<br>/PCS2 = 277V Swivel<br>/PCS4 = 480V Swivel | Blank = No Bi-Level<br>/BL = Bi-Level |