FXLED78SFNW/BL

RAB
LIGHTING

Project:	Type:
Prepared By:	**Date:**

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: White   Weight: 24.0 lbs

Driver Info

Type:	Constant Current
120V:	0.66A
208V:	0.41A
240V:	0.35A
277V:	0.30A
Input Watts:	78W
Efficiency:	N/A

LED Info

Watts:	78W
Color Temp:	4000K
Color Accuracy:	81 CRI
L70 Lifespan:	100000
Lumens:	6,734
Efficacy:	86 LPW

Technical Specifications

Other

FXLED78SF with Bi-Level Operation:

Allows 33%-66%-100% output modes.

Equivalency:

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

California Title 24:

FXLED78SF/BL with bi-level operation complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted up to 24 feet when used with a RAB photo/motion control. Select a photo/motion control using catalog number STL110, STL200 or STL360. Mounting heights greater than 24 feet require only a photocell. See FXLED78SF/PCT for photocell versions.

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.

LED Characteristics

Lifespan:

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

LEDs:

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

Color Consistency:

3-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 C78.377-2015.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

EPA:

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Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

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

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.

Technical Specifications (continued)

Construction

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. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Optical

NEMA Type:

NEMA Beam Spread of 6H x 6V

Replacement Range:

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

Electrical

Driver:
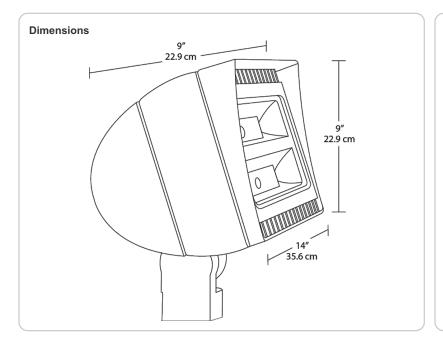
(2) DriversConstant Current, Class 2, 1050mA, 100-277V, 50/60Hz, 0.6A, Power Factor 99%

Surge Protection:

4kV

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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RAB LIGHTING

Dimensions

9"
22.9 cm

9"
22.9 cm

14"
35.6 cm

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 6V

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 **T** = Trunnion **SF** = Slipfitter	**Blank** = 5000K (Cool) **Y** = 3000K (Warm) **N** = 4000K (Neutral)	**Blank** = Bronze **W** = White	**Blank** = No Dimming **/D10** = Dimmable	**Blank** = 120-277V **/480** = 480 Volt	**Blank** = No Photocell **/PCT** = 120-277V Twistlock Photocell **/PCT4** = 480V Twistlock Photocell	**Blank** = No Bi-Level **/BL** = Bi-Level

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