FXLED78TY

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: Bronze   Weight: 24.0 lbs

Driver Info

Type:	Constant Current
120V:	0.66A
208V:	0.41A
240V:	0.35A
277V:	0.30A
Input Watts:	77W
Efficiency:	N/A

LED Info

Watts:	78W
Color Temp:	3000K (Warm)
Color Accuracy:	82 CRI
L70 Lifespan:	100,000
Lumens:	6,414
Efficacy:	83 LPW

FXLED78TY

Technical Specifications

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.

Other

Lifepsan:

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:

See FXLED78SF/D10, FXLED78SF/BL, FXLED78SF/PCS or FXLED78SF/PCS2 (277V) for a 2013 California Title 24 compliant product. Any 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.

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°F/-40°C.

Thermal Management:

Superior heat sinking with external Air-Flow fins.

Housing:

Die-cast aluminum housing and door frame.

Mounting:

Heavy-duty Trunnion mount with stainless steel hardware.

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

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:

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 C78.377-2008.

Electrical

Driver:

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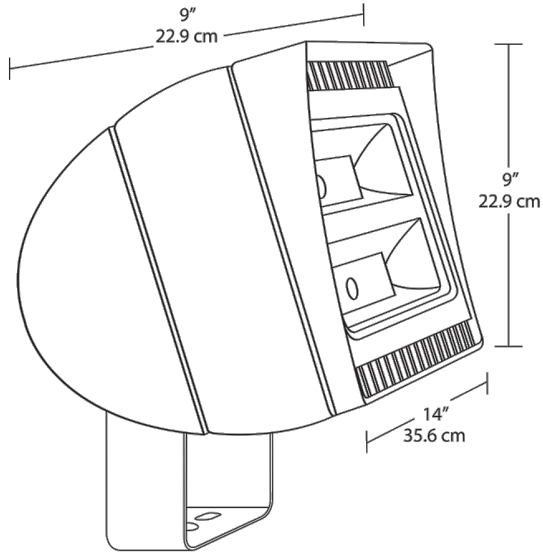
Technical Specifications (continued)

Electrical

THD:

5.3% at 120V, 12.8% at 277V

Surge Protection:

4kV

FXLED78TY

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 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	**Blank** = Cool	**Blank** = Bronze	**Blank** = No Dimming	**Blank** = 120-277V	**Blank** = No Photocell	**Blank** = No Bi-Level
		T = Trunnion	**Y** = Warm	**W** = White	**/D10** = Dimmable	**/480** = 480 Volt	**/PCS** = 120V Swivel	**/BL** = Bi-Level
		SF = Slipfitter	**N** = Neutral				**/PCS2** = 277V Swivel	
							/PCS4 = 480V Swivel	