EZLED78SFB44W/BL

RAB
LIGHTING

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

This 78W spotlight combines high lumen output and a concentrated narrow beam distribution to illuminate objects up to 80 feet away with brilliant precision. Ideal for lighting large flags, tall building facades and signage.

Color: White   Weight: 26.6 lbs

Driver Info

Type:	Constant Current
120V:	0.82A
208V:	0.53A
240V:	0.46A
277V:	0.40A
Input Watts:	89W
Efficiency:	87%

LED Info

Watts:	78W
Color Temp:	5000K
Color Accuracy:	68 CRI
L70 Lifespan:	100000
Lumens:	6,525
Efficacy:	73 LPW

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Technical Specifications

Other

EZLED78SF with Bi-Level Operation:

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

California Title 24:

EZLED78SFB44/BL with bi-level operation is compliant 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 EZLED78SFB44/PC, EZLED78SFB44/PC2, EZLED78SFB44/PCS or EZLED78SFB44/PCS2 for photocell models.

Patents:

The design of EZLED is protected by patents in U.S. Pat D679,856, and pending patents in Canada, China, Taiwan and Mexico.

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.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Effective Projected Area

EPA = 1.2

Cold Weather Starting:

Minimum starting temperature is -40°F/-40°C.

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

Thermal Management:

Superior thermal management with external Air-Flow fins.

Housing:

Precision die-cast aluminum housing and door frame.

Mounting:

2 3/8" slipfitter mount with stainless steel hardware.

Lens:

Tempered glass.

Reflector:

Vacuum-metalized, specular thermoplastic.

Gaskets:

High-temperature silicone

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.

LED Characteristics

LEDs:

Three multi-chip, high-output, long-life LEDs.

Lifespan:

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

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.

Technical Specifications (continued)

LED Characteristics

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 C78.377-2011.

Electrical

Driver:

3x26W drivers Constant current, Class2, 100-277V. 50/60 Hz, 6KV Surge Protection, 720mA, 100-277V 0.4A, Power Factor 98.9%.

THD:

13.7% at 120V

Optical

NEMA Type:

NEMA Beam Spread of 4H x 4V

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Dimensions

Detail 2 — SLIPFITTER DETAIL — SCALE: 0'-3" = 1'-0"

Detail 1 — FIXTURE SERIES — SCALE: 0'-3" = 1'-0"

Features

High powered narrow beam spotlight

Illuminates objects at a distance of 80 feet

Available in NEMA type 3H x 3V and 4H x 4V

Trunnion or slipfitter mounting options available

Outperforms equivalent MH fixtures

Ordering Matrix

Family	Watts	Mount	Color Temp	Beam Spread	Finish	Photocell	Bi-Level
EZLED							
	78 = 78W	**SF** = Slipfitter	**Blank** = 5000K (Cool)	**Blank** = 3H x 3V	**Blank** = Bronze	**Blank** = No Photocell	**Blank** = No Bi-Level
			Y = 3000K (Warm)	**B44** = 4H x 4V	**W** = White	**/PC** = 120V Button	**/BL** = Bi-Level
			N = 4000K (Neutral)			**/PCS** = 120V Swivel	
						/PC2 = 277V Button	
						/PCS2 = 120V Swivel	