FFLED18

RAB | Outdoor

Project:	Type:
Prepared By:	Date:

Driver Info

Type:	Constant Current
120V:	0.2A
208V:	0.15A
240V:	0.13A
277V:	0.11A
Input Watts:	23W
Efficiency:	78%

LED Info

Watts:	18W
Color Temp:	5000K (Cool)
Color Accuracy:	72 CRI
L70 Lifespan:	100,000
Lumens:	2310
Efficacy:	100 LPW

Rectangular shaped LED floodlight designed to replace 70W Metal Halide. 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: 5.7 lbs

Technical Specifications

Listings

UL Listing:

Suitable For Wet Locations. Suitable for ground mounting.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P0000170B

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

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 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 C78.377-2017.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Airflow:

Airflow technology heat sink for superior cooling

Ambient Temperature:

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

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management Housing:

Die-cast aluminum housing, lens frame and mounting arm

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screw

Reflector:

Semi-specular anodized aluminum

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components.

Optical

NEMA Type:

NEMA Beam Spread of 7H x 6V

Electrical

Driver:

Constant Current, Class 2, 100 - 277V, 50 - 60 Hz, 100 - 277VAC 0.4 Amps.

Surge Protection:

6kV

Other

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. RAB's warranty is subject to all terms and conditions found at

Patents:

The FFLED design is protected by U.S. Pat. D643,147, Canada Pat. 140798, China Pat. ZL201130171304.1, Mexico Pat. 36757 and pending patent in Taiwan.

American Bureau of Shipping (ABS) :

For use on Mobile Offshore Drilling Units (MODU) and shipping vessels

Equivalency:
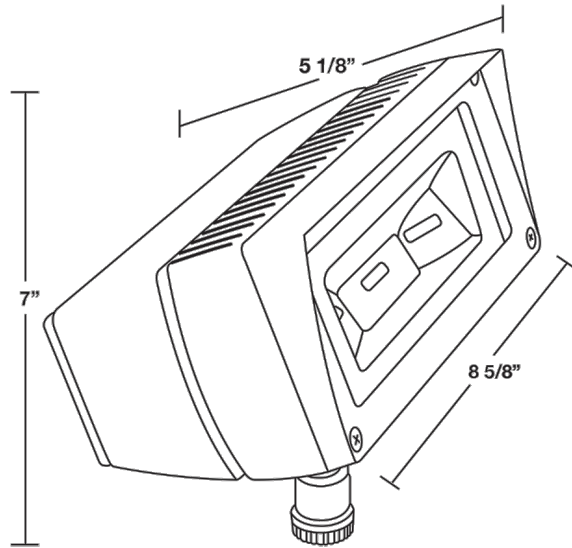
Equivalent to 70W Metal Halide

Technical Specifications (continued)

Other

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

5 1/8"

7"

8 5/8"

Features

Ultra efficient LED and optical design

Replaces 70W MH floodlights

100,000 hour life based on LM-80 tests

NEMA type - 7H x 6V

Air-flow technology heatsink

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Photocell Options	Other Options
FFLED	18	^	^	^	^	^	^	^
	18 = 18W	**Blank** = Swivel Arm	**Blank** = 5000K (Cool)	**Blank** = 7H x 6V	**Blank** = Bronze	**Blank** = On/Off	**Blank** = No Option	**Blank** = Standard
	26 = 26W	**SF** = Slipfitter	**N** = 4000K (Neutral)	**B55** = 5H x 5V	**W** = White	**/D10** = 0-10V Dimming	**/PC** = 120V Photocell	**USA** = BAA Compliant
	39 = 39W	**T** = Trunnion	**Y** = 3000K (Warm)	**B44** = 4H x 4V		**/480** = 480V On/Off (not available for 80W models)	**/PC2** = 277V Photocell	
	52 = 52W						**/PCS** = 120V Swivel Photocell	
	80 = 80W						**/PCS2** = 277V Swivel Photocell	
							/PCS4 = 480V Swivel Photocell	