FFLED18N/EC/PC

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.2A
208V	N/A
240V	N/A
277V	N/A
Input Watts	23W

LED Info

Watts	18W
Color Temp	4000K (Neutral)
Color Accuracy	82 CRI
L70 Lifespan	100,000
Lumens	2,119
Efficacy	92.1 LPW

Rectangular shaped LED floodlight designed to replace 70W Metal Halide. patent-pending "Air-Flow" technology ensures long LED and driver lifespan. Use for building fa?ades lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: Bronze   Weight: 13.3 lbs

Technical Specifications

Construction

Cold Start FFLED18 with Battery Backup:

Minimum starting temperature is -20°C/-4°F

IP Rating:

Ingress Protection rating of IP66 for dust and water

Thermal Management:

Optimized using computational fluid dynamics software to ensure long LED and driver lifespan

Gaskets:

High-temperature silicone

Housing:

Precision die-cast aluminum housing, lens frame and mounting arm

Airflow:

Airflow technology heat sink for superior cooling

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

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Listings

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: PZQ74BHM

UL Listing:

Suitable for Wet Locations. Wall Mount Only. Battery Backup UL 924 Listed Emergency Lighting Power Supply.

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:

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

Technical Specifications (continued)

LED Characteristics

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.

Battery Backup

Backup Battery:

Two field-replaceable, high-temperature, maintenance-free, nickel-cadmium batteries

Optical

NEMA Type:

NEMA Beam Spread of 7H x 6V

Electrical

Surge Protection:

6kV

Photocell:

120V Button Photocell Included. Photocell is only compatible with 120V.

Driver:

Constant Current, Class 2, 50/60 Hz, 120 - 277VAC 0.4 Amps.

Power Factor:
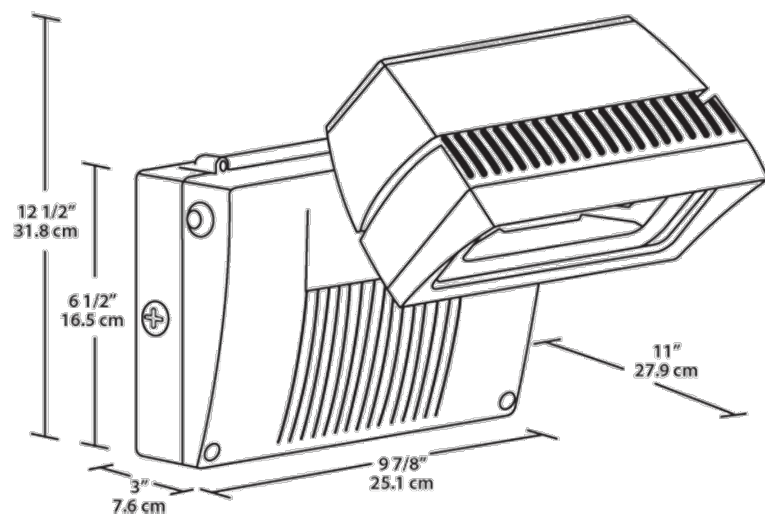
99.1% at 120V, 96.0% at 277V

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 www.rablighting.com/legal#warranty

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.

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

Features

Ultra-efficient LED and optical design

Replaces 70W MH floodlights

100,000-hour life based on LM-80 results and TM-21 calculations

NEMA type - 7H x 6V

"Air-Flow" technology heatsink

5-Year, No-Compromise Warranty