FFLED18W/EC

RAB®

Project: Type:

Prepared By: Date:

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

Color: White   Weight: 13.3 lbs

Driver Info

Type	Constant Current
120V	0.2A
208V	0.15A
240V	0.13A
277V	0.11A
Input Watts	19.7W

LED Info

Watts	18W
Color Temp	5000K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	2,429 lm
Efficacy	123.3 lm/W

Technical Specifications

Construction

Cold Start FFLED18 with Battery Backup:
Minimum starting temperature is -20°C/-4°F

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.

Compliance

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

IP Rating:
Ingress protection rating of IP66 for dust and water

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-ZL2GY0

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50 - 60 Hz, 120V: 0.2A, 208V: 0.15A, 240V: 0.13A, 277V: 0.11A

THD:
11.89% at 120V, 17.78% at 277V

Power Factor:
98.7% at 120V, 91% at 277V

Surge Protection:
6kV

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

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 70W Metal Halide

Other

Note:
All values are typical (tolerance +/- 10%)

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 rablighting.com/warranty.

Technical Specifications (continued)

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.

LED Characteristics

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 color temperature over a 5-year period
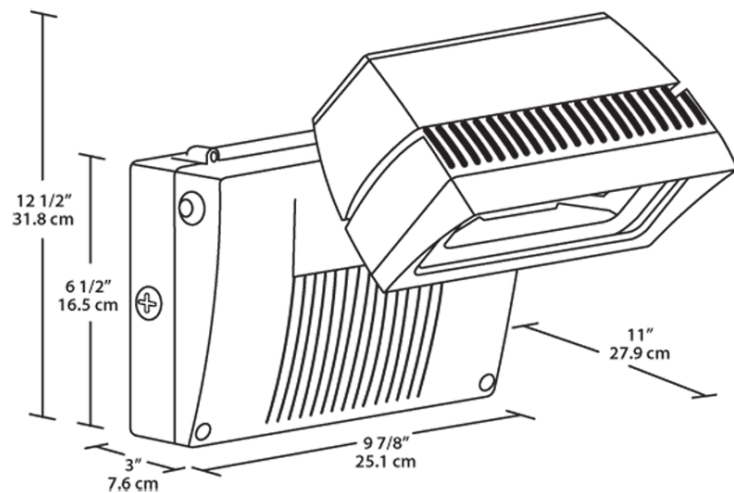
Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

Optical

NEMA Type:
NEMA Beam Spread of 7H x 6V

Dimensions

12 1/2"
31.8 cm

6 1/2"
16.5 cm

11"
27.9 cm

9 7/8"
25.1 cm

3"
7.6 cm

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

RAB

Ordering Matrix

Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Options	Other Options
FFLED	18				W	/EC		
	18 = 18W	**Blank =** Knuckle Mount	**Blank =** 5000K Cool **N =** 4000K Neutral **Y =** 3000K Warm	**Blank =** 7H x 6V	**Blank =** Bronze **W =** White	**Blank =** On/Off [1] **/E =** 120-277V Battery Backup **/EC =** Cold Start Battery Backup	**Blank =** No Option **/PCS =** 120V Swivel Photocell **/PCS2 =** 277V Swivel Photocell **/PCS4 =** 480V Swivel Photocell **/PCU =** 120-277V Button Photocell **/MS =** Mini Sensor **/STL3 =** Stealth Sensor	**Blank =** Standard

[1] *Dimming Driver for 18W, 26W & 39W models only*
[2] *Not available for 80W models*

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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