



Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info			
Type	Constant Current	Watts	18W		
120V	0.2A	Color Temp	4000K (Neutral)		
208V	0.15A	Color Accuracy	82 CRI		
240V	0.13A	L70 Lifespan	100,000 Hours		
277V	0.11A	Lumens	2,416 lm		
Input Watts	19.6W	Efficacy	123.3 lm/W		

Technical Specifications

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-GY2VNL

Electrical

Driver:

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

THD:

12.64% at 120V, 16.41% at 277V

Power Factor:

98.7% at 120V, 91.6% at 277V

Surge Protection:

6kV

Battery Backup:

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

Battery Backup Light Loss Factor:

0.55

Performance

Lifespan:

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

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.

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:

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 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.

Construction

Thermal Management:

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

FFLED18NW/E



Technical Specifications (continued)

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

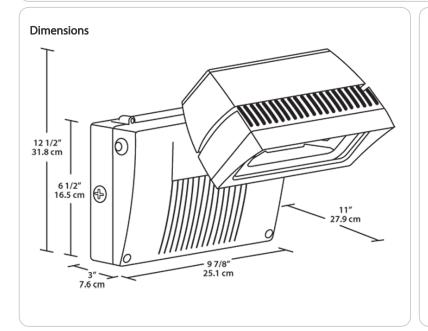
Green Technology:

Mercury and UV free. RoHS-compliant components.

Optical

NEMA Type:

NEMA Beam Spread of 7H x 6V



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



Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Options	Other Options
FLED	18		N		W	/E		
	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 Dimm	ing Driver for 18V	V, 26W & 39W mo	dels only		