



Rectangular shaped LED floodlight designed to replace 250W 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: 14.2 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type: Constant Current  
120V: 0.74A  
208V: 0.48A  
240V: 0.41A  
277V: 0.36A  
Input Watts: 88W  
Efficiency: 91%

#### LED Info

Watts: 80W  
Color Temp: 4000K (Neutral)  
Color Accuracy: 72 CRI  
L70 Lifespan: 100,000  
Lumens: 9,157  
Efficacy: 104 LPW

## 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: PG9GWM8V

#### 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

#### Note:

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

#### LEDs:

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:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warranted 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.

### Electrical

#### Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 6 kV surge protection, 120V: 074 A, 208V: 048 A, 240V: 041 A, 277V: 036 A

#### Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

### Construction

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Ambient Temperature:

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

#### Cold Weather Starting:

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

#### Thermal Management Housing:

Superior heat sinking with external Air-Flow fins

#### Housing:

Die-cast aluminum housing, lens frame and mounting arm

#### Threaded Size:

1/2" threaded arm

#### Mounting:

Heavy-duty Slip Fitter for 2 3/8" OD pipe

### Effective Projected Area:

EPA = 0.65

#### Reflector:

Specular polycarbonate

#### 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

### 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.

## Technical Specifications (continued)

## Other

## Equivalency:

Equivalent to 250W Metal Halide

## 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.

## Features

- Ultra efficient LED and optical design
- Replaces 250W MH floodlights
- 100,000 hour life based on LM-80 tests
- 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	80	SF	N	^	^	/D10	^	^
	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	