



Color: Black

Weight: 13.2 lbs

|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info |                  | LED Info       |                        |
|-------------|------------------|----------------|------------------------|
| Type        | Constant Current | Watts          | 80W                    |
| 120V        | 0.67A            | Color Temp     | 3000K (Warm)           |
| 208V        | 0.40A            | Color Accuracy | 82 CRI                 |
| 240V        | 0.34A            | L70 Lifespan   | 100,000 Hours          |
| 277V        | 0.30A            | Lumens         | 10,172/7,517/5,468 lm  |
| Input Watts | 81.1/57.2/40.4W  | Efficacy       | 125.4/131.4/135.3 lm/W |

**Technical Specifications**

**Field Adjustability**

**Field Adjustable (Wattage):**

Field adjustable light output in 3 discrete steps:  
Small Housing: 80W/60W/40W (factory default 80W)

**Compliance**

**UL Listed:**

Suitable for wet locations

**IP Rating:**

Ingress protection rating of IP66 for dust and water

**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.

**Dark Sky Conformance:**

Dark Sky Approved in 3000K. Conforms to (allows for conformance to) the IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

**Light Usage for Night Applications:**

This product has received the Design Lights Consortium's LUNA listing for 3000K Models. Designed to meet LUNA 5.1 requirements. LUNA Product Code: S-FMQH1N

**DLC Listed:**

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

**LUNA:**

This product has received the Design Lights Consortium's LUNA listing. Designed to meet LUNA 5.1 requirements. LUNA Product Code: S-FMQH1N

**LED Characteristics**

**LEDs:**

Long-life, high-efficacy, discrete, surface-mount 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.

**Electrical**

**Driver:**

40W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.34A, 208V: 0.20A, 240V: 0.17A, 277V: 0.15A

60W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.50A, 208V: 0.30A, 240V: 0.25A, 277V: 0.22A

80W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.67A, 208V: 0.40A, 240V: 0.34A, 277V: 0.30A

**Dimming Driver:**

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

**THD:**

2.32% at 120V, 7.28% at 277V

**Power Factor:**

99.9% at 120V, 96.5% at 277V

**Surge Protection:**

Line to Line: 10 kV  
Line to Ground: 6 kV

## Technical Specifications (continued)

### Performance

**Lifespan:**

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

**Wattage Equivalency:**

Equivalent to 250W Metal Halide

### Optical

**IES Classification:**

The Type IV distribution is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

**BUG Rating:**

80W: B1 U0 G2

60W: B1 U0 G2

40W: B1 U0 G2

### Construction

**Cold Weather Starting:**

The minimum starting temperature is -40°F (-40°C)

**Ambient Temperature :**

Max Power Temp Rating: 104°F (40°C)

Middle Power Temp Rating: 52°C (125°F)

Low Power Temp Rating: 58°C (137°F)

**Housing:**

Die-cast aluminum

**Reflector:**

Aluminum reflector with white polycarbonate

**Vibration Rating:**

3G vibration rating per ANSI C136.31

**Effective Projected Area (EPA):**

1 Fixture: 0.35

2 Fixtures at 90°: 0.54

2 Fixtures at 180°: 0.7

3 Fixtures at 90°: 0.9

4 Fixtures at 90°: 0.9

**Gaskets:**

High-temperature silicone gaskets

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

### Installation

**Mounting:**

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole adapter plate included as a standard. Easy slide and lock to mount fixture with ease.

### Other

**10-Year, No-Compromise Warranty:**

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) 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](http://rablighting.com/warranty).

Dimensions



Features

- 0-10V dimmable standard
- IP66 Rated
- 100,000-Hour LED lifespan
- 10-Year, No-Compromise Warranty

Ordering Matrix

| Family | Housing Size  | Distribution  | Mounting  | Color Temp  | Finish  | Driver  | Options   |
|--------|---|---|---|---|---|---|---|
| ALED   | S   | 4T  |   | Y   | B   |   |   |
|        | <b>M</b> = Medium (150W/90W/78W)<br><b>L</b> = Large (260W/220W/170W)<br><b>XL</b> = Extra Large (385W/345W/300W)<br><b>S</b> = Small (80W/60W/40W) | <b>2T</b> = Type II<br><b>3T</b> = Type III<br><b>4T</b> = Type IV<br><b>5T</b> = Type V<br><b>AT</b> = Auto Dealership Optic | <b>Blank</b> = Universal Pole Mount<br><b>SF</b> = Slipfitter<br><b>WM</b> = Wall Mount | <b>Blank</b> = 5000K Cool<br><b>Y</b> = 3000K Warm <sup>1</sup><br><b>N</b> = 4000K Neutral | <b>Blank</b> = Bronze<br><b>W</b> = White<br><b>B</b> = Black | <b>Blank</b> = 120-277V, 0-10V Dimming<br><b>/480</b> = 480V, 0-10V Dimming | <b>Blank</b> = No Option<br><b>/7PR</b> = 7 Pin Twistlock Receptacle<br><b>/WS2</b> = Wattstopper, 20ft lens<br><b>/WS4</b> = Wattstopper, 40ft lens <sup>3</sup> |

<sup>1</sup> Dark sky approved in 3000K, available only on Small and Medium fixtures

<sup>2</sup> 480V available only on Medium, Large & Extra Large fixtures

<sup>3</sup> Wattstopper option available only On Large & Extra Large fixtures