



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

| Driver Info |                  | LED Info       |                        |
|-------------|------------------|----------------|------------------------|
| Type        | Constant Current | Watts          | 150W                   |
| 120V        | 1.25A            | Color Temp     | 5000K (Cool)           |
| 208V        | 0.73A            | Color Accuracy | 85/85/84 CRI           |
| 240V        | 0.63A            | L70 Lifespan   | 100,000 Hours          |
| 277V        | 0.55A            | Lumens         | 10851/12913/19641      |
| Input Watts | 76.1/91.8/148.4W | Efficacy       | 142.5/140.7/132.3 lm/W |

**Technical Specifications**

**Field Adjustability**

**Field Adjustable (Wattage):**

Field adjustable light output in 3 discrete steps:  
Medium Housing: 150W/90W/78W (factory default 150W)

**Compliance**

**UL Listed:**

Suitable for wet locations

**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.

**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-8H5F0N

**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:**

78W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.65A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

90W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.75A, 208V: 0.44A, 240V: 0.38A, 277V: 0.33A

150W: Constant Current, Non-Class 2, 120-277V, 50/60 Hz, 120V: 1.25A, 208V: 0.73A, 240V: 0.63A, 277V: 0.55A

**Dimming Driver:**

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

**THD:**

4.17% at 120V, 8.76% at 277V

**Power Factor:**

100% at 120V, 95.8% at 277V

**Surge Protection:**

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

**Performance**

**Lifespan:**

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

**Technical Specifications (continued)**

**Construction**

**IES Classification:**

Car Dealership optics have a wide distribution with an intentional hot spot that helps to deliver eye-catching light to the front row of cars in a dealership lot while also minimizing "backspill" (light that is thrown back towards the street).

**IP Rating:**

Ingress protection rating of IP66 for dust and water

**Cold Weather Starting:**

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

**Ambient Temperature:**

Suitable for use in up to 40°C (104°F)

**Housing:**

Die-cast aluminum

**Mounting:**

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

**Lens:**

Polycarbonate lens

**Reflector:**

Aluminum reflector with white polycarbonate

**Vibration Rating:**

3G vibration rating per ANSI C136.31

**Effective Projected Area:**

EPA = 0.34

**Gaskets:**

High-temperature silicone gaskets

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**Other**

**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).

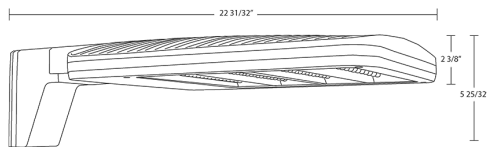
**Buy American Act Compliance:**

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.

**Equivalency:**

Equivalent to 400W Metal Halide

**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                                                        | Voltage                                                                                  | Options                                                                                                                                                           |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ALED   | M                                                                                                                                                   | AT                                                                                                                            |                                                                                         |                                                       | W                                                             |                                                                                          |                                                                                                                                                                   |
|        | <b>S</b> = Small (80W/60W/40W)<br><b>M</b> = Medium (150W/90W/78W)<br><b>L</b> = Large (260W/220W/170W)<br><b>XL</b> = Extra Large (385W/345W/300W) | <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>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 <sup>1</sup> | <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>2</sup> |

<sup>1</sup> 480V available in Medium, Large & Extra Large fixtures only  
<sup>2</sup> Wattstopper option available in Large & Extra Large fixtures only