

Project:

Type:

Prepared By:

Date:



UPC: 192552062183

Features and Benefits

- Replaces traditional metal halide or high pressure sodium HID lamp
- Adjustable wattage and CCT allows for in-field customization
- Integral driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- Rated for use in enclosed fixtures in dry or damp locations
- Universal 100-277V voltage for flexible installation

Technical Specifications

Performance

Product Type:

Field-Adjustable Post Top

Description:

Field adjustable lumen output and CCT provide installation flexibility when replacing traditional HID. Integrated AUX port to add lamp-level sensor control.

Wattage Equivalency:

100W MH

Input Wattage:

18/12/9W

Lumens (Nominal):

2,700/1,800/1,350lm

Efficacy:

150lm/W

L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Driver:

Constant Current, Non-isolated power 100-277V  
50/60 Hz; 120V: 154.64mA; 208V: 92.06mA; 240V:  
82.42mA; 277V: 72.2mA

THD:

<20%

Power Factor:

>0.9

Dimmable:

Step-dimming

Input Voltage:

100-277V

Operating Temperature:

-22°F to 140°F (-30°C to 60°C)

Flicker:

50%

Surge Protection:

4 kV

Emergency Operation:

Not for emergency use.

Sensor Settings

Sensor Port?:

No

LED Characteristics

Beam Angle:

360°

Color Temperature:

Default: 5000K

Field adjustable via dip switch 3000/4000/5000K

Color Accuracy (CRI):

80 CRI

R9 Value:

High color performance with R9 greater than 0

Color Consistency:

<6-step MacAdam Ellipse binning to achieve  
consistent fixture-to-fixture color

**Technical Specifications (continued)****Color Stability:**

LED color temperature is warranted 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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

**Installation****Installation Method:**

UL Type B, Ballast Bypass

**Installation Orientation:**

Universal mounting, horizontal or vertical

**Base Type:**

E26 Edison

**Construction****Shape:**

Post Top

**Finish:**

White + Gray

**Endcap Material:**

Metal

**Enclosure Material:**

Polycarbonate

**Compliance****Listings:**

UL Listed, UL Classified

**Environment:**

Suitable for use indoors in dry and damp environments.

**Fixture Rating:**

Suitable for use in enclosed fixtures

**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.

**Certification Model Number:**

H20068(HIDFA-18S-E26)

**California Title 20 Compliant:**

No

**California Title 24 JA8 Compliant:**

No

**California Energy Commission (CEC) Status:**

Lawful for Sales in California

**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.

**RoHS:**

Mercury and UV free. RoHS-compliant components.

**FCC:**

Complies with Part 15 of the FCC Rules

**Other****5-Year, No-Compromise 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](http://rablighting.com/warranty).

Case and Pallet Dimensions

|        | QTY | LENGTH (in) | WIDTH (in) | HEIGHT (in) |
|--------|-----|-------------|------------|-------------|
| CASE   | 12  | 12.2        | 9.25       | 8.35        |
| PALLET | 900 | 47.24       | 39.37      | 43.25       |

Dimension

