

Project:

Type:

Prepared By:

Date:



UPC: 192552028684

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

Technical Specifications

Performance

Product Type:

HID Replacement

Description:

Field adjustable lumen output and CCT provide installation flexibility when replacing traditional HID.

Wattage Equivalency:

750W Metal Halide

Input Wattage:

205W/165W/135W

Lumens (Nominal):

30,750/24,750/20,250lm

Efficacy:

150lm/W

L70 Lifespan:

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

Electrical

THD:

≤20%

Power Factor:

≥0.9

Dimmable:

Yes

Input Voltage:

100-277V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

1,761mA

Input Current @ 208V (mA):

1,048mA

Input Current @ 240V (mA):

939mA

Input Current @ 277V (mA):

822mA

Operating Temperature:

-22°F to 140°F (-30°C to 60°C)

Flicker:

<30%

Surge Protection:

4kV

LED Characteristics

Color Temperature:

Field adjustable via dip switch 3000K/4000K/5000K

Color Accuracy (CRI):

≥80 CRI

R9 Value:

High color performance with R9 no greater than 0

Color Consistency:

<6-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

Technical Specifications (continued)**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:

Vertical/Horizontal

Construction**Base Type:**

EX39 Exclusionary Mogul

Finish:

Clear

Bulb Shape:

Post Top

Endcap Material:

Metal

Enclosure Material:

Polycarbonate

Compliance**Listings:**

UL Listed, UL Classified

Environment:

Suitable for use in dry and damp environments

Fixture Rating:

Suitable for use in enclosed fixtures

IP Rating:

IP64

Energy Star Approved:

No.

There is no product category on Energy Star for this lamp to qualify under.

Model Number for Certification:

H20031(HIDFA-205S-EX39-8CCT-BYP)

T20 Compliant:

Not Compliant

California Title 24 JA8 Compliant:

Not Compliant

California Energy Commission (CEC) Status:

Lawful for Sales in California

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15B of the FCC Rules

Other**Accessories:**

[XFMR200-480-277](#)

Transformer 200W 480V

[SP10KV](#)

10 kV Surge protector

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.

Note:

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

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	6	15.12	10.24	12
PALLET	288	46.93	42.52	49.61

Dimension

