



UPC: 192552045551

Color: White

Weight: 1.5 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Performance

Product Type:

HID Replacement Bulb

Description :

These HID replacement lamps provide smooth, diffuse, omnidirectional light, making them great for any HID retrofit installation

Wattage Equivalency:

300W Incandescent, 100-175W HID

Input Wattage:

41/34/28W

Lumens:

5,600/4,750/4,000lm @3000K
6,000/5,000/4,200m @4000K
5,800/4,900/4,100lm @5000K

Efficacy:

137lm/W

L70 Lifespan:

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

Electrical

THD:

≤20%

Power Factor:

≥0.9

Dimmable:

Step Dimming: 75-100%
TRIAC Dimming:20-100%

Input Voltage:

120-277V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

330mA

Input Current @ 208V (mA):

200mA

Input Current @ 240V (mA):

175mA

Input Current @ 277V (mA):

160mA

Operating Temperature:

-40°F to 113°F (-40°C to 45°C)

Flicker:

Step Dimming: 75-100%
TRIAC Dimming:20-100%

Surge Protection:

4 kV

LED Characteristics

Beam Angle:

230°

Color Temperature:

Field adjustable via dip switch 3000/4000/5000K

Color Accuracy (CRI):

80 CRI

R9 Value:

High color performance with R9 greater than 14

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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Technical Specifications (continued)

Installation

Installation Method:

UL Type B, Ballast Bypass

Installation Orientation:

Universal Installation

Base Type:

EX39 Exclusionary Mogul

Construction

Finish:

White

Lens Material:

Frosted polycarbonate lens diffuses light evenly and smoothly

Enclosure Material:

Precision die-cast aluminum heat sink has superior thermal management

Lens Finish:

Frosted Milky white

Compliance

Listings:

UL Listed, UL Classified

Environment:

Suitable for use indoors in dry and damp environments.

Fixture Rating:

Suitable for use in enclosed fixtures

IP Rating:

IP54

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 to confirm the qualification status of a specific SKU prior to specification or purchase.

Certification Model Number:

H20049(HIDFA-200S-EX39-8CCT-BYP)

California Title 20 Compliant:

No

California Title 24 JA8 Compliant:

No

California Energy Commission (CEC) Status:

Lawful for Sales in California

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Other

Compatible Accessories:

HID-ACC-E26

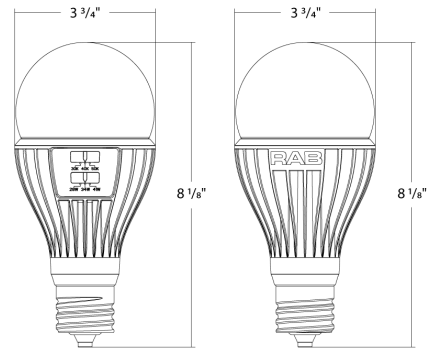
5-Year, No-Compromise Warranty:

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.

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	6	16.06	10.83	10.12
PALLET	10	48.18	37.72	40.64

Dimension



Features

- Wattage & CCT field-adjustable HID replacement lamps with omnidirectional light output
- Die-cast housing with superior thermal management
- 120-277V Universal driver, internal surge protection, and suitable for use in totally enclosed fixtures
- Integral driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- 3000/4000/5000K Selectable color temperature

Ordering Matrix

Family	Size/Wattage	Base	CRI/Color Temp	Dimming	Driver
PS30	41S 34S = 34W Wattage Selectable 41S = 41W Wattage Selectable	EX39 = Mogul Base	8CCT = 80 CRI, 3000/4000/5000K CCT Adjustable	DIM = TRIAC Dimmable	UNV = 120-277V