FHID-85S-EX39-850

RAB

Project:	Type:	Prepared By:	Date:

UPC: 192552045971

Features and Benefits

Compact design offering the perfect fit with existing HID fixtures

Same look and feel as traditional HID lamps

Suitable for use in both enclosed and open fixtures

Integral driver enables lamp to be wired directly to line voltage without need for an external driver or ballast

3 Selectable wattages, 5000K CCT

Technical Specifications

Performance

Product Type:
Glass LED HID Lamps

Description :
Glass LED HID replacement lamps offer high-powered brightness with LED filament technology. Available in many standard ANSI sizes without sacrificing on traditional aesthetics.

Wattage Equivalency:
450W

Input Wattage:
85/68/60W

Lumens:
16,500lm@85W
13,200lm@68W
11,700lm@60W

Efficacy:
195lm/W

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

THD:
<20%

Power Factor:
≥0.9

Dimmable:
3 step brightness adjustable

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
708mA

Input Current @ 208V (mA):
409mA

Input Current @ 240V (mA):
354mA

Input Current @ 277V (mA):
307mA

Operating Temperature:
-22°F to 113°F (-30°C to + 45°C)

Surge Protection:
4 kV

LED Characteristics

Beam Angle:
360°

Color Temperature:
5000K

Color Accuracy (CRI):
80 CRI

R9 Value:
High color performance with R9 greater than 1

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

Need help? Tech help line: **(888) 722-1000** Email: **techsupport@rablighting.com** Website: **www.rablighting.com**

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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:
Universal Installation

Base Type:
EX39 Exlusionary Mogul

Construction

ANSI Size:
ED37

Endcap Material:
Metal

Enclosure Material:
Glass Lamp Envelop

Lens Finish:
Clear

Compliance

Listings:
ETL Listed

Environment:
Suitable for use indoors and outdoors in dry, damp, or wet environments.

Fixture Rating:
Suitable for use in enclosed fixtures.
Suitable for use in open fixtures.

IP Rating:
IP54

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

Certification Model Number:
H10112(FHID-85S-EX39-850)

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.

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Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	6	14.57	10.04	12.8
PALLET	216	44.72	41.18	39.06

Dimension

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