

Project:

Type:

Prepared By:

Date:



UPC: 192552045506

Features and Benefits

Active cooling allows for lamp sizes that are up to 30% smaller, allowing them to fit into tight spaces while more accurately mirroring the traditional ANSI footprint.

Lumen and CCT selectable via physical controls located on the lamp

Rated for open and enclosed fixtures with an IP64 listing and polycarbonate lens

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

Technical Specifications

Performance

Product Type:

Post Top

Description:

These active cooling post top lamps include field-adjustable wattage and CCT, and are available in 120-277V and 277-480V versions. With SKUs from 10W to 450W, this comprehensive family offers a true LED retrofit for existing 1500W HID lamps. Additionally, the active cooling feature allows these lamps to more accurately mirror the ANSI retrofit footprint that they're intended to retrofit, allowing for the reduction in overall length.

Wattage Equivalency:

1500W Metal Halide

Input Wattage:

450/338/225W

Lumens:

225W

38,244lm @ 3000K; 40,513lm @ 4000K; 40,877lm @ 5000K

338W

53,389lm @ 3000K; 57,366lm @ 4000K; 56,968lm @ 5000K

450W

68,132lm @ 3000K; 73,158lm @ 4000K; 71,570lm @ 5000K

Efficacy:

160lm/W

L70 Lifespan:

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

Electrical

THD:

20%

Power Factor:

≥0.9

Dimmable:

Step Dimming

Input Voltage:

277-480V

Operating Frequency:

60 Hz

Operating Temperature:

-40°F to 122°F (-40°C to 50°C)

Flicker:

<50%

Surge Protection:

4 kV

LED Characteristics

Beam Angle:

280°

Color Temperature:

Field adjustable via dip switch 3000/4000/5000K

Color Accuracy (CRI):

81 CRI

R9 Value:

High color performance with R9 no greater than 0

Technical Specifications (continued)

Color Consistency:

<7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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 Installation

Base Type:

EX39 Exclusionary Mogul

Construction**ANSI Size:**

ED37

Endcap Material:

Metal

Enclosure Material:

UV Resistant Polycarbonate housing

Lens Finish:

Clear

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 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:

H20056(HIDFA-450S-EX39-8CCT-BYP/480V)

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**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	18.5	12.6	14.8
PALLET	40	44.29	37	50.39

Dimension

