HIDFA-45S-E26-8CCT-BYP

RAB

Project:	Type:	Prepared By:	Date:

UPC: 192552056861

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:
100W CFL,150W MH/HPS/HID

Input Wattage:
45/33/22W

Lumens:
6525/4818/3234@3000K
6975/5148/3476@4000K
6750/4983/3344@5000K

Efficacy:
145/146/147@3000K
155/156/158@4000K
150/151/152@5000K

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

Electrical

THD:
20%

Power Factor:
≥0.9

Dimmable:
Step dimming with physical switch on lamp body

Input Voltage:
120-277V

Operating Frequency:
60 Hz

Input Current @ 120V (mA):
450mA

Input Current @ 208V (mA):
260mA

Input Current @ 240V (mA):
230mA

Input Current @ 277V (mA):
190mA

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

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Technical Specifications (continued)

Color Accuracy (CRI):
82 CRI

R9 Value:
High color performance with R9 greater than 4

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.

Installation

Installation Method:
UL Type B, Ballast Bypass

Installation Orientation:
Universal Installation

Base Type:
E26 Edison

Construction

ANSI Size:
ED17

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 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:
H20048(HIDFA-150S-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:
None

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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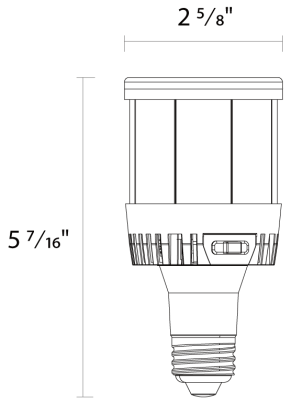
Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	20	15.6	12.6	7.7
PALLET	1	46.65	37.8	46.06

Dimension



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