



UPC: 192552027007

Color: Clear

Weight: 0.0 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Performance

Description:

Field adjustable lumen output and CCT provide installation flexibility when replacing traditional HID. Integrated AUX port to add lamp-level sensor control.

Wattage Equivalency:

320W/400W/600W Metal Halide

Input Wattage:

80W/100W/120W

Lumens:

80W:
3000K @ 10,800lm; 4000K @ 11,600lm; 5000K @ 11,200lm
100W:
3000K @ 13,500lm; 4000K @ 14,500lm; 5000K @ 14,000lm
120W:
3000K @ 16,200lm; 4000K @ 17,400lm; 5000K @ 16,800lm

Efficacy:

80W/100W/120W:
3000K @ 135lm/W; 4000K @ 145lm/W; 5000K @ 140lm/W

L70 Lifespan:

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

Electrical

THD:

≤20%

Power Factor:

≥0.9

Dimmable:

Yes, via the Lightcloud Blue mobile app and devices. This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Input Voltage:

100-277V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

1,031mA

Input Current @ 208V (mA):

613mA

Input Current @ 240V (mA):

543mA

Input Current @ 277V (mA):

433mA

Operating Temperature:

-22°F to 140°F (-30°C to 60°C)

Flicker:

<30%

Surge Protection:

4 kV

LED Characteristics

Color Temperature:

Field adjustable via dip switch 3000/4000/5000K

Color Accuracy (CRI):

≥80 CRI

R9 Value:

High color performance with R9 no less than 0

Color Consistency:

<6-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

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

Base Type:

EX39

Construction

Finish:

Clear

Shape:

Post top (sensor)

Endcap Material:

Metal

Enclosure Material:

Constructed from frosted, shatter-resistant 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

Certification Model Number:

H20042(HIDFA-120S-EX39-8CCT-BYP/5SP)

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

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.

Other

Compatible Products:

Add the Lightcloud Blue 5-Pin Plug-in Controller with optional sensor to connect to the Lightcloud Blue Bluetooth Mesh Wireless Network Lighting Control System. Learn more about Lightcloud Blue.

Accessories:

CONTROL/W/AUX/5SP/LCB
Lightcloud Blue 5-Pin Plug-in Controller
CONTROL/W/AUX/5SP/LCBS
Lightcloud Blue 5-Pin Plug-in Controller with PIR Sensor
CONTROL/W/AUX/5SP/LCBS/MVS
Lightcloud Blue 5-Pin Plug-in Controller with MVS Sensor

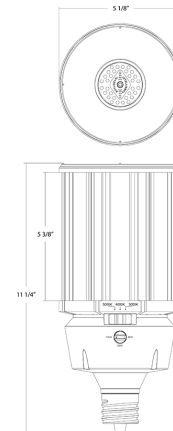
5-Year, No-Compromise Warranty:

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	17.32	13.38	12
PALLET	7	48	40	47.34

Dimension



Features

- 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

Ordering Matrix

Family	Wattage	Base Type	CRI/Color Temp	Installation Type	Sensor
HIDFA	120S	EX39	8CCT	BYP	/5SP
	27S = 27/18/12W 36S = 36/27/18W 45S = 45/36/27W 54S = 54/45/36W 63S = 63/54/45W 80S = 89/63/54W 100S = 100/80/63W 120S = 120/100/80W 205S = 205/165/135W Vertical	EX39 = EX39 Extended Mogul ¹ E26 = E26 Edison	8CCT = 80 CRI, 3000/4000/5000K	BYP = Ballast Bypass	Blank = No Sensor /5SP = 5-Pin Sensor Port

¹ 80S, 100S, and 120S only available with EX39 base