HIDFA-54S-EX39-8CCT-BYP/5SP

RAB

Project:	Type:
Prepared By:	Date:

UPC: 192552026963

Color: Clear

Weight: 0.0 lbs

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:

150W/175W/200W Metal Halide

Input Wattage:

36W/45W/54W

Lumens (Nominal):

36W:
3000K @ 4,860 Lm; 4000K @ 5,220 Lm; 5000K @ 5,040 Lm
45W:
3000K @ 6,075 Lm; 4000K @ 6,525 Lm; 5000K @ 6,300 Lm
54W:
3000K @ 7,290 Lm; 4000K @ 7,830 Lm; 5000K @ 7,560 Lm

Efficacy:

36W/45W/54W:
3000K @ 135 Lm/W; 4000K @ 145 Lm/W; 5000K @ 140 Lm/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):

464 mA

Input Current @ 208V (mA):

276 mA

Input Current @ 240V (mA):

245 mA

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Technical Specifications (continued)

Electrical

Input Current @ 277V (mA):

195 mA

Operating Temperature:

-22°F - 140°F (-30°C - 60°C)

Flicker:

<30%

Surge Protection:

4kV

LED Characteristics

Color Temperature:

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

Vertical and Horizontal

Construction

Base Type:

EX39

Finish:

Clear

Bulb Shape:

Post top (sensor)

Endcap Material:

Metal

Enclosure Material:

Polycarbonate

Compliance

Safety Listing:

UL Listed, UL Classified

Environment:

Suitable for use in dry and damp environments

Fixture Rating:

Suitable for use in enclosed fixtures

IP Rating:

IP64

Model Number:

H20038(HIDFA-54S-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 15 of the FCC Rules

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.
DLC Product Code: PK1M7DYL

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

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.
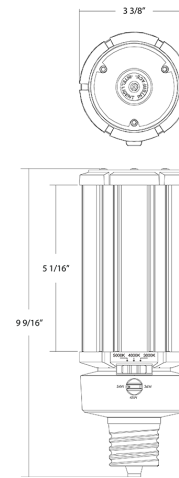
Note:

All values are typical (tolerance +/- 10%)

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	12	15.55	11.61	11.57
PALLET	17	48	40	45.77

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	–	54S	–	EX39	–	8CCT	–	BYP	–	/5SP

Wattage	Base Type	CRI/Color Temp	Installation Type	Sensor
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	**EX39** = EX39 Extended Mogul **E26** = E26 Edison	**8CCT** = 80 CRI, CCT Selectable	**BYP** = Ballast Bypass	**Blank** = No Sensor **/3SP** = 3-Pin Sensor Port **/5SP** = 5-Pin Sensor Port

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