



UPC: 192552025683

Color: Clear

Weight: 2.0 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Performance

Product Type:

HID Replacement

Wattage Equivalency:

150W/175W/200W Metal Halide

Input Wattage:

36W/45W/54W

Lumens (Nominal):

36W:
3000K @ 4,860lm; 4000K @ 5,220lm; 5000K @ 5,040lm

45W:
3000K @ 6,075lm; 4000K @ 6,525lm; 5000K @ 6,300lm

54W:
3000K @ 7,290lm; 4000K @ 7,830lm; 5000K @ 7,560lm

Efficacy:

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

L70 Lifespan:

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

Lightcloud

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

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):

464mA

Input Current @ 208V (mA):

276mA

Input Current @ 240V (mA):

245mA

Input Current @ 277V (mA):

195mA

Operating Temperature:

-22°F to 140°F (-30°C to 60°C)

Flicker:

<30%

Surge Protection:

4kV

LED Characteristics

Color Temperature:

Field adjustable via dip switch 3000K/4000K/5000K. Tunable white with Lightcloud Blue 5-Pin Plug-in Controllers.

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

Technical Specifications (continued)

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:

Vertical and Horizontal

Construction

Base Type:

EX39

Finish:

Clear

Beam Angle:

360°

Bulb Shape:

Post top w/ sensor port

Endcap Material:

Metal

Enclosure Material:

Polycarbonate

Lens Finish:

Clear

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

Model Number for Certification:

HID-54S-EX39-8TW-BYP/LCBR

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

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

[DAYLIGHT-S](#)

3-Pin Daylight photocell sensor

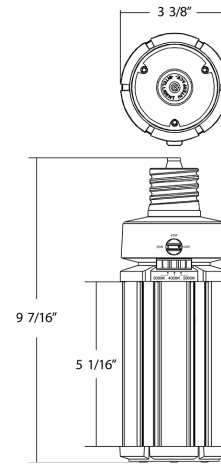
[MW-S](#)

3-Pin Microwave sensor w/photocell

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	12	15.23	11.54	13
PALLET	360	46.16	38.31	39.57

Dimension



Features

- Adjustable wattage and CCT allows for in-field customization
- Make it tunable white with the Lightcloud Blue 5-Pin Plug-in Controller
- 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
- AUX port for integrating individual, lamp-level controls