RAB®

UPC: 192552027021

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:
150W/175W/200W Metal Halide

Input Wattage:
36W/45W/54W

Lumens:
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

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

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

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 and Horizontal

Base Type:
E26 Edison

Construction

Finish:
Clear

Bulb Shape:
Post top (sensor)

Endcap Material:
Metal

Enclosure Material:
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

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

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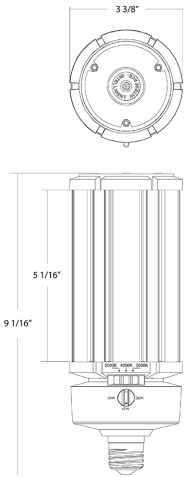All values are typical (tolerance +/- 10%)

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	12
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	–	E26	–	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 **205S =** 205/165/135W Vertical	**EX39 =** EX39 Extended Mogul **E26 =** E26 Edison	**8CCT =** 80 CRI, 3000K/4000K/5000K	**BYP =** Ballast Bypass	**Blank =** No Sensor **/5SP =** 5-Pin Sensor Port