HID-100-EX39-8CCT-BYP/5SP/480V

Project:	Type:	Prepared By:	Date:



UPC: 192552028677

Features and Benefits

Replacement for traditional high voltage Metal Halide or High Pressure Sodium HID Lamps

Integral Driver enables lamp to be wired directly to line voltage without need for an external driver or ballast

Adjustable CCT allows for in-field customization

Rated for use in enclosed fixtures in dry or damp locations

AUX port for integrating individual, lamp-level control

Technical Specifications

Performance

Product Type:
HID Replacement

Description:
Adjustable color temperature lamps replace traditional HID lamps for high voltage applications.

Wattage Equivalency:
400W Metal Halide

Input Wattage:
100W

Lumens:
3000K @ 13,000lm; 4000K @ 13,500lm; 5000K @ 14,000lm

Efficacy:
3000K @ 130lm/W; 4000K @ 135lm/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

Input Voltage:
277-480V

Operating Frequency:
50/60Hz

Input Current @ 240V (mA):
458mA

Input Current @ 277V (mA):
401mA

Input Current @ 480V (mA):
231mA

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 greater 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

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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/Horizontal

Base Type:
EX39 Exclusionary Mogul

Construction

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

Energy Star Approved:
No.
There is no product category on Energy Star for this lamp to qualify under.

Certification Model Number:
H20030(HID-100-EX39-8CCT-BYP/5SP 480V)

T20 Compliant:
Not compliant

California Title 24 JA8 Compliant:
Not Compliant

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:
3-Pin & 5-Pin Smart Sensors
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 at Ww.Lightcloud.com.

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 Senso
DAYLIGHT-S

3-Pin Daylight photocell sensor
MW-S

3-Pin Microwave sensor w/photocell
PIR-S

3-Pin Passive Infrared sensor w/photocell
SMW-S

3-Pin Microwave sensor
SPIR-S
3-Pin Passive Infrared sensor
XFMR200-480-277

Transformer 200W 480V

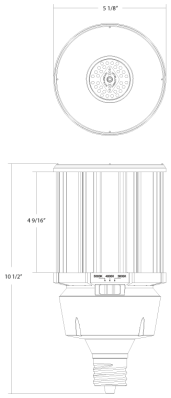
5-Year, No-Compromise Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty 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	6	17.32	12.6	11.81
PALLET	192	48.82	39.37	48.81

Dimension



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