

High-Voltage Post Top



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



CCT-Adjustable, UL Type B



KEY FEATURES

- Replacement for traditional high-voltage MH or HPS lamps
- Adjustable CCT allows for in-field customization
- AUX port for integrating individual, lamp-level controls
- 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
- 5-Year, No-Compromise Warranty

PERFORMANCE

Catalog Number	Equivalency (Metal Halide)	Input Wattage	Lumens (Nominal)	Efficacy	Color Temperature	CRI	L70 Lifespan
HID-36-EX39-8CCT-BYP/5SP 480V	150W	36W	4,860 Lm	135 lm/W	Field-adjustable via dip switch 3000K/4000K/5000K	80*	50,000 hr
HID-45-EX39-8CCT-BYP/5SP 480V	175W	45W	6,075 Lm				
HID-54-EX39-8CCT-BYP/5SP 480V	200W	54W	7,290 Lm				
HID-80-EX39-8CCT-BYP/5SP 480V	320W	80W	10,800 Lm				
HID-100-EX39-8CCT-BYP/5SP 480V	400W	100W	13,500 Lm				

Catalog Number	Wattage	CCT	Lumens	Efficacy	Equivalency Wattage
HID-36-EX39-8CCT-BYP/5SP 480V	36W	3000K	4,680 Lm	130 Lm/W	150W Metal Halide
		4000K	4,860 Lm	135 Lm/W	
		5000K	5,040 Lm	140 Lm/W	

Catalog Number	Wattage	CCT	Lumens	Efficacy	Equivalency Wattage
HID-45-EX39-8CCT-BYP/5SP 480V	45W	3000K	5,850 Lm	130 Lm/W	175W Metal Halide
		4000K	6,075 Lm	135 Lm/W	
		5000K	6,300 Lm	140 Lm/W	

Catalog Number	Wattage	CCT	Lumens	Efficacy	Equivalency Wattage
HID-54-EX39-8CCT-BYP/5SP 480V	54W	3000K	7,020 Lm	130 Lm/W	200W Metal Halide
		4000K	7,290 Lm	135 Lm/W	
		5000K	7,560 Lm	140 Lm/W	

PERFORMANCE (CONT.)

Catalog Number	Wattage	CCT	Lumens	Efficacy	Equivalency Wattage
HID-80-EX39-8CCT-BYP/5SP 480V	80W	3000K	10,400 Lm	130 Lm/W	320W Metal Halide
		4000K	10,800 Lm	135 Lm/W	
		5000K	11,200 Lm	140 Lm/W	

Catalog Number	Wattage	CCT	Lumens	Efficacy	Equivalency Wattage
HID-100-EX39-8CCT-BYP/5SP 480V	100W	3000K	13,000 Lm	130 Lm/W	400W Metal Halide
		4000K	13,500 Lm	135 Lm/W	
		5000K	14,000 Lm	140 Lm/W	

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
HID Replacement

Bulb Shape
Post top

Enclosure Material
Polycarbonate

Endcap Material
Metal

Base Type
EX39 Exclusionary Base

Finish
Clear

Beam Angle
360°

ELECTRICAL

Dimmable
Yes

THD
≤20%

Power Factor
≥0.9

Input Voltage
277-480V

Operating Frequency
50-60Hz

Operating Temperature
-22°F to 140°F (-30°C to 60°C)

Surge Protection
4 kV

Flicker
<30%

INSTALLATION

Installation Method
UL Type B, Ballast Bypass

Installation Orientation
Vertical/Horizontal

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

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

DLC
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.

T20 Compliant
Not applicable

California Title 24 JA8 Compliant
Not applicable

California Energy Commission (CEC) Status
Lawful for Sales in California

FCC
Complies with Part 15 of the FCC Rules.

RoHS
Mercury and UV free. RoHS-compliant components.

TECHNICAL SPECIFICATIONS (CONT.)

LED CHARACTERISTICS

Color Temperature

Field-adjustable via dip switch 3000K/4000K/5000K

Color Accuracy (CRI)

≥80

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

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.

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 about Lightcloud Blue.](#)

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.

Buy American Act Compliance

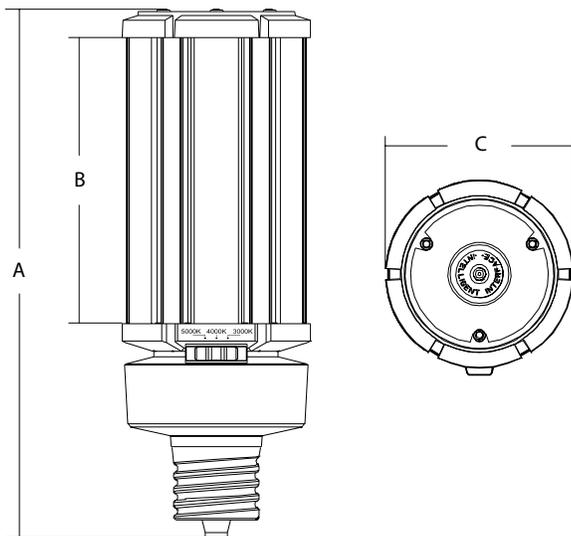
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Note

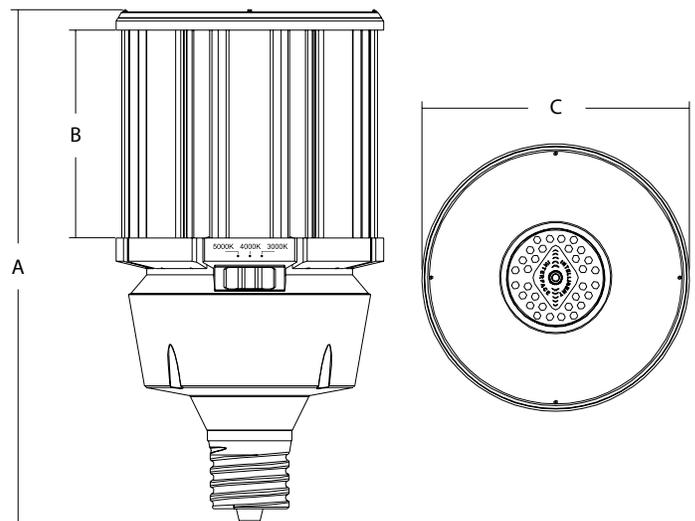
All values are typical (tolerance +/- 10%)

DIMENSIONS

HID 36W, 45W, 54W - EX39 Base



HID 80W, 100W - EX39 Base



EX39 Base	Weight	A	B	C	Sensor Port
36W	1.72 lbs	8 3/8"	3 7/8"	3 3/8"	5-pin
45W	1.96 lbs	9 9/16"	5 1/16"	3 3/8"	
54W	2.02 lbs	9 9/16"	5 1/16"	3 3/8"	

EX39 Base	Weight	A	B	C	Sensor Port
80W	3.43 lbs	9 7/8"	4"	5 1/8"	5-pin
100W	3.72 lbs	10 1/2"	4 9/16"	5 1/8"	

ACCESSORIES (SOLD SEPARATELY)

3-Pin sensors (Compatible with lamps with the 5-pin Sensor Port (5SP).)



SMW-S / MW-S



DAYLIGHT-S



SPIR-S / PIR-S

Catalog Number	UPC	Description
SMW-S	019813834818	Microwave sensor without daylight photocell built in
MW-S	019813833064	Microwave sensor with daylight photocell built in
DAYLIGHT-S	019813834832	Daylight sensor
SPIR-S	019813834825	Passive infrared sensor without daylight photocell built in
PIR-S	019813833057	Passive infrared sensor with daylight photocell built in

Lightcloud Blue 5-pin controllers/sensors



CONTROL/W/AUX/5SP/LCB



CONTROL/W/AUX/5SP/LCBS



CONTROL/W/AUX/5SP/LCBS/MVS

Catalog Number	UPC	Description
CONTROL/W/AUX/5SP/LCB	192552025591	Lightcloud Blue 5-Pin plug-in controller
CONTROL/W/AUX/5SP/LCBS	192552025607	Lightcloud Blue 5-Pin plug-in controller + Passive infrared sensor + Photocell sensor
CONTROL/W/AUX/5SP/LCBS/MVS	192552025614	Lightcloud Blue 5-Pin plug-in controller + Microwave sensor + Photocell sensor

Transformer



Catalog Number	UPC	Description
XFMR200-480-277	019813833071	Transformer 200W 480V

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ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
HID-36-EX39-8CCT-BYP/5SP 480V	H20026(HID-36-EX39-8CCT-BYP/5SP 480V)	192552028639	12
HID-45-EX39-8CCT-BYP/5SP 480V	H20027(HID-45-EX39-8CCT-BYP/5SP 480V)	192552028646	12
HID-54-EX39-8CCT-BYP/5SP 480V	H20028(HID-54-EX39-8CCT-BYP/5SP 480V)	192552028653	12
HID-80-EX39-8CCT-BYP/5SP 480V	H20029(HID-80-EX39-8CCT-BYP/5SP 480V)	192552028660	6
HID-100-EX39-8CCT-BYP/5SP 480V	H20030(HID-100-EX39-8CCT-BYP/5SP 480V)	192552028677	6

ORDERING MATRIX

Family	Wattage	Base Type	CRI/Color Temp	Installation Type	Sensor	Voltage
HID	-	EX39	8CCT	BYP	/5SP	480V
	36 36W	EX39 Exclusionary Mogul	8CCT 80 CRI; 5000/4000/3000K	BYP Bypass	/5SP 5-Pin Sensor Port	480V 277-480V
	45 45W					
	54 54W					
	80 80W					
	100 100W					