HID Adjustable Lamps

RAB®

PROJECT:

DATE:

TYPE:

PREPARED BY:

Post Top, Highbay, and Area Light HID Retrofits. UL Type B

UL LISTED **IP64** **50K HOURS LIFESPAN** **ENCLOSED FIXTURE RATED** **DAMP RATED** **FCC LISTED** **RoHS** **SENSOR PORT**

KEY FEATURES

- Replacement for traditional metal halide or high pressure sodium HID lamps up to 400W.
- Muliple angle configurations ideal for low/high bay, shoebox, and post top applications.
- Active Cooling: Internal sensor overheat will automatically reduce output to 70% rated wattaged until the sensor cools and will light up again to 100%.
- Integral Driver allows lamp to be installed on 100-277V line voltage.
- Rated for use in enclosed and open fixtures in dry or damp locations.
- 4kV surge protection built in.
- 50,000 hours lifespan.
- Environmentally friendly, no mercury used.
- UL Listed, DLC Listed.
- Dimmable - Step dimmable when used with RAB Smart Sensor (sold separately).
- 5 Year no compromise warranty.
- Lamp includes on board low-voltage AUX port for lamp level sensor accessories.

PERFORMANCE SUMMARY

Catalog Number	Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	CRI	L70 Lifespan	DLC ID
HID-50-EX39-840-BYP-ADJ	200W MH OR HPS	50	7500	150	5000K	80	50,000	P6SVHLAT
HID-50-EX39-850-BYP-ADJ	200W MH OR HPS	50	7500	150	5000K	80	50,000	PA872ZJX
HID-70-EX39-840-BYP-ADJ	250W MH OR HPS	70	10500	150	4000K	80	50,000	PHYP2UHC
HID-70-EX39-850-BYP-ADJ	250W MH OR HPS	70	10500	150	5000K	80	50,000	P5RBEKNI
HID-100-EX39-840-BYP-ADJ	400W MH OR HPS	100	15000	150	4000K	80	50,000	PYABJBY1
HID-100-EX39-850-BYP-ADJ	400W MH OR HPS	100	15000	150	5000K	80	50,000	PANEKUFM

TECHNICAL SPECIFICATIONS

LED CHARACTERISTICS

LEDs
Long-life, high-efficacy, COB LEDs.

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 C78.377-201.

COMPLIANCE

Safety Listing
UL Listed, UL Classified

Environment / Fixture Rating
Damp / Enclosed

IP Rating
IP64

DLC (Standard / Premium)
DLC Standard

RoHS
Mercury and UV free. RoHS-compliant components.

FCC
Complies with Part 15 of the FCC Rules.

CONSTRUCTION

Product Type:
HID

Bulb Shape:
Adjustable
- Post Top
- High Bay
- Area Light

Housing Material
Polycarbonate & metal heat sink

Housing Finish
White

Lens Finish
Clear

Beam Angle
180°

Base Type
EX39 Exclusionary Mogul Base

INSTALLATION

Installation Method
Type B, Ballast Bypass

Burning Position
Horizontal / Vertical

ELECTRICAL

Input Voltage
100 - 277V

Power Factor
0.9

THD
<20%

Operating Frequency
60Hz

Operating Temperature
-30 to 60 °C , -22 to 140 F

Surge Protection
4kV

Driver
Constant Current:
50W 120V: 0.55, 277V: 0.20A
70W 120V: 0.77, 277V: 0.28A
100W 120V: 1.11, 277V: 0.40A

OTHER

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.

HID Adjustable Lamps

DIMENSIONS
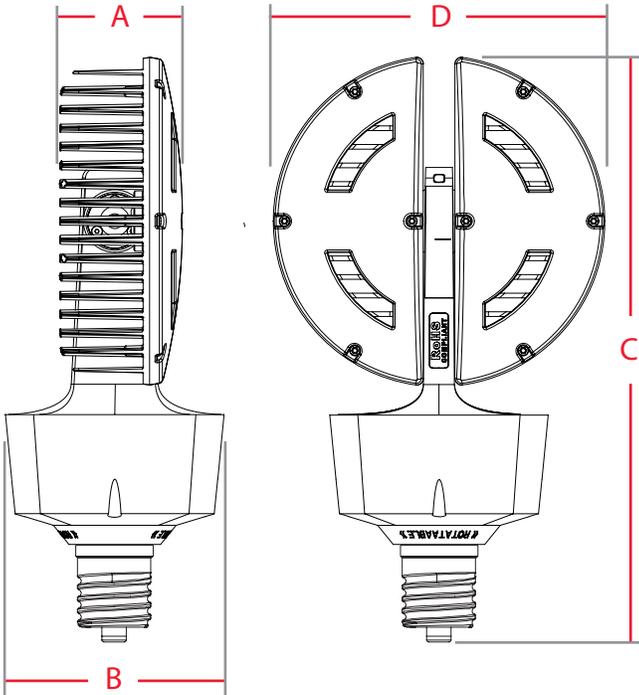
|	A	B	C	D
50W	1 7/8"	3 3/8"	9 7/8"	5 9/16"
70W	2"	3 3/8"	11 9/16"	7"
100W	2 9/16"	4 5/8"	12 3/8"	7"

ACCESSORIES

Option Accessories

1 11/16"
42.9mm

1 11/16"
42.9mm

1 3/4"
45mm

1/8"
3.6mm

Catalog Number: SMW-S / MW-S

1 11/16"
42.9mm

1 11/16"
42.9mm

2 1/16"
53mm

1/8"
3.6mm
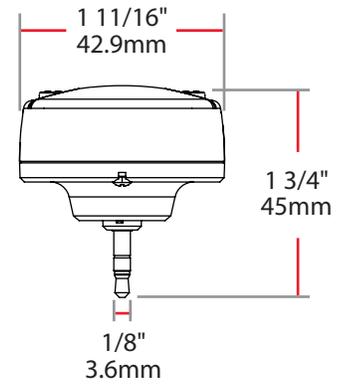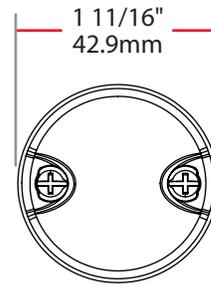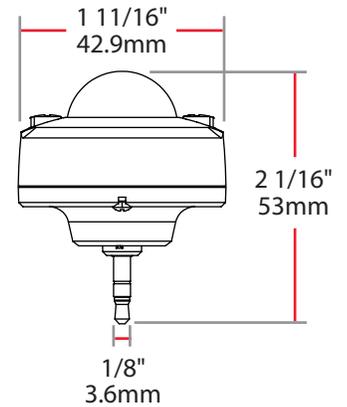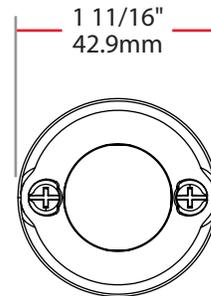
Catalog Number: SPIR-S / PIR-S

1 11/16"
42.9mm

1 11/16"
42.9mm

1 3/4"
45mm

1/8"
3.6mm
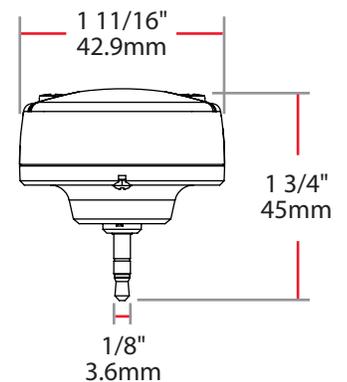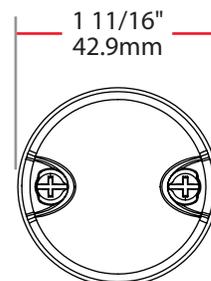
Catalog Number: DAYLIGHT-S

LED Adjustable Lamps

RAB

ORDERING INFO

Catalog Number	Model Number (DLC)	UPC	Case Pack
HID-50-EX39-840-BYP-ADJ	H10023(HID-50-EX39-840-BYP-ADJ)	019813908342	4
HID-50-EX39-850-BYP-ADJ	H10024(HID-50-EX39-850-BYP-ADJ)	019813908359	4
HID-70-EX39-840-BYP-ADJ	H10026(HID-70-EX39-840-BYP-ADJ)	019813908366	4
HID-70-EX39-850-BYP-ADJ	H10027(HID-70-EX39-850-BYP-ADJ)	019813908373	4
HID-100-EX39-840-BYP-ADJ	H10029(HID-100-EX39-840-BYP-ADJ)	019813908380	4
HID-100-EX39-850-BYP-ADJ	H10030(HID-100-EX39-850-BYP-ADJ)	019813908397	4

ORDERING MATRIX

Product	Wattage	Base	Color Temperature	Options
HID —	—	EX39 —	830 —	

50 50W / 7500lm / 200W EQ	**EX39** Exclusionary Mogul Base	**830** 80CRI 3000K	**BYP** Ballast Bypass	
70 70W / 10500lm / 250W EQ			**ADJ** Adjustable Beam	
100 100W / 1500lm / 400W EQ				