

Field-Adjustable HID Replacement Bulbs



A21

A23

PS30

70W-175W MH Replacements,
Wattage & CCT Adjustable, UL Type B,
120-277V, Triac Dimmable, E26 & EX39 base



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Wattage & CCT field-adjustable HID replacement lamps with omnidirectional light output
- Die-cast housing with superior thermal management
- 120-277V Universal driver, internal surge protection, and suitable for use in totally enclosed fixtures
- Integral driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- 3000/4000/5000K Selectable color temperature

PERFORMANCE

Catalog Number	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Input Voltage	Color Temperature	CRI	Base Type	DLC ID
A21-17-E26-9CCT-DIM-UNV	125W Inc	17W	2200@3000K 2350@4000K 2300@5000K	128lm/w	120-277V	Field adjustable via dip switch 3000/ 4000/ 5000K	90	E26	No
A23-24S-EX39-8CCT-DIM-UNV	200W In 70-100W HID	24W/19W/14W	3200/2550/1900@3000K 3500/2800/2100@4000K 3400/2750/2050@5000K	133lm/w			80	EX39	TBA
PS30-34S-EX39-8CCT-DIM-UNV	300W Inc 100-175W HID	34W/28W/21W	4700/3900/3000@3000K 4950/4100/3100@4000K 4850/4000/3050@5000K	138lm/w			80	EX39	TBA
PS30-41S-EX39-8CCT-DIM-UNV	300W Inc 100-175W HID	41W/34W/28W	5600/4750/4000@3000K 6000/5000/4200@4000K 5800/4900/4100@5000K	137lm/w			80	EX39	TBA

CCT	2700K			3000K			3500K			4000K			5000K			6500K		
Input Wattage	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW	XW
Lumens	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm	XX lm
Efficacy	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W	X lm/W
Equivalency	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL	XXW CFL

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type

LED HID Replacement Lamps

Shape

A21
A23
PS30

Endcap Material

Frosted polycarbonate lens diffuses light evenly and smoothly

Enclosure Material

Precision die-cast aluminum heat sink has superior thermal management

Finish

White

Lens Finish

Frosted milky white

INSTALLATION

Installation Method

UL Type B, Ballast Bypass

Enclosed Fixture Rated

Yes

Installation Orientation

Universal - both horizontal, base up or down installations

Base Type

A21 - E26 medium base
A23 & PS30 - EX39 Exclusionary Mogul Base

ELECTRICAL

Dimmable

Step dimming with physical switch on lamp body & TRIAC dimmable on compatible dimmers

Driver

120-277V

Operating Frequency

50/60Hz

Operating Temperature

-40°F (-40°C) to 113°F (45°C)

THD

≤20%

Power Factor

≥0.9

Flicker

<30%

Surge Protection

4 kV

LED CHARACTERISTICS

Beam Angle

230°

Color Temperature

Field adjustable via dip switch 3000/4000/5000K

Color Accuracy (CRI)

A21 - 90CRI
A23 & PS34 - 80CRI

R9 Value

High color performance with R9 greater than 6

Color Consistency

<7-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

COMPLIANCE

Listings

UL Listed, UL Classified

Environment

Suitable for use indoors in dry and damp environments.

Fixture Rating

Suitable for use in enclosed fixtures

DLC Listed

Yes

California Energy Commission (CEC) Status

Lawful for Sales in California

RoHS

Mercury and UV free. RoHS-compliant components

FCC

Complies with Part 15 of the FCC Rules

OTHER

Warranty

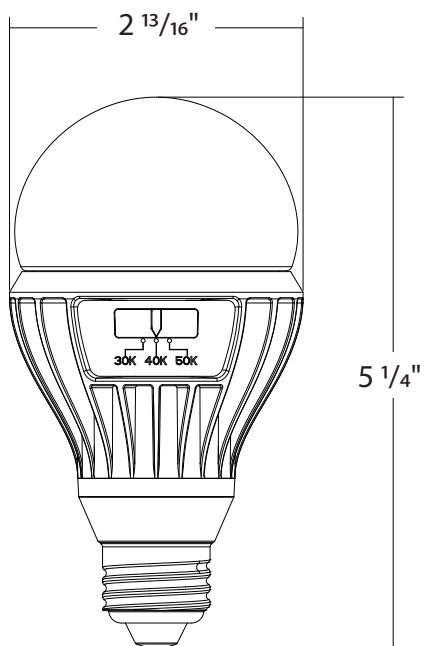
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Field-Adjustable HID Replacement Bulbs

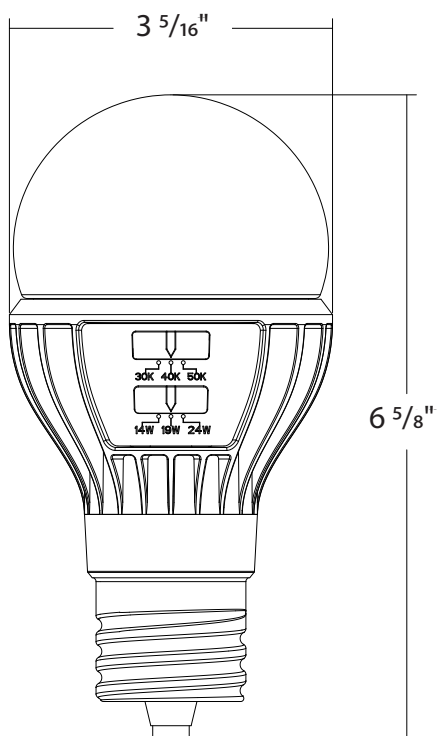


DIMENSIONS

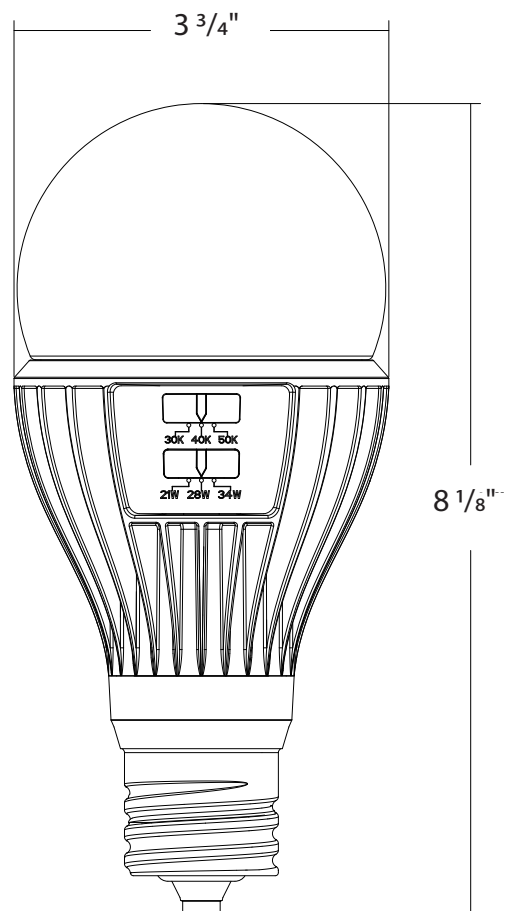
A21-17-E26-9CCT-DIM-UNV Weight: 0.64 lbs.



A23-24S-EX39-8CCT-DIM-UNV Weight: 1.03 lbs.



PS30-34S-EX39-8CCT-DIM-UNV Weight: 1.52 lbs.



Field-Adjustable HID Replacement Bulbs



ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
A21-17-E26-9CCT-DIM-UNV	H20046 (HIDFA-80S-EX39-8CCT-BYP)	192552045520	6
A23-24S-EX39-8CCT-DIM-UNV	H20047 (HIDFA-120S-EX39-8CCT-BYP)	192552045537	6
PS30-34S-EX39-8CCT-DIM-UNV	H20048 (HIDFA-150S-EX39-8CCT-BYP)	192552045544	6
PS30-41S-EX39-8CCT-DIM-UNV	H20049 (HIDFA-200S-EX39-8CCT-BYP)	192552045551	6

ORDERING MATRIX

Family	Size/Wattage	Bases	CRI/Color Temperature	Dimming	Voltage
A21	17	E26 Medium Base	9CCT 90CRI, 3000/4000/5000K CCT-Adjustable	Dim TRIAC Dimmable	UNV 120-227V
A23	24S 24W Wattage Selectable 34S 34W Wattage Selectable 41S 44W Wattage Selectable	EX39 Mogul Base	9CCT 80CRI, 3000/4000/5000K CCT-Adjustable	Dim TRIAC Dimmable	UNV 120-227V
PS30	24S 24W Wattage Selectable 34S 34W Wattage Selectable 41S 44W Wattage Selectable	EX39 Mogul Base	9CCT 80CRI, 3000/4000/5000K CCT-Adjustable	Dim TRIAC Dimmable	UNV 120-227V