

Commercial Bulbs



E26 Base



A19* - 8.5W A21* - 16.5W A21 - 17W A23 - 24W PS25 - 32W

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



(Applies to PS30 only)

EX39 Base



A23 - 24W PS25 - 32W PS30 - 36W

KEY FEATURES

- Replacement for high-output incandescent or Metal Halide and High Pressure Sodium HID lamps
- In HID retrofit applications - Integral driver enables lamp to be wired directly to line voltage. **Must bypass ballast**
- Ideal for post top, bollards, and outdoor corridor lighting
- Environmentally friendly, no mercury used
- **Universal Voltage** 120 through 277V
- Rated for use in **open and enclosed** fixtures in **dry or damp** locations
- **5-Year, No-Compromise Warranty**

* A19 and A21-16.5W have 3-Year, No-Compromise Warranty

Commercial Grade Bulbs to Replace HID UL Type B, 120-277V



UL
LISTED



UL
CLASSIFIED



ENCLOSED
FIXTURE RATED



DAMP
RATED



120-277V



NON-DIMMABLE



FCC
LISTED



RoHS

PERFORMANCE

Catalog Number	Equivalency	Input Watt-age	Lumen lm/W	Efficacy	Color Temperature	CRI	L70 Lifespan	DLC ID	Title 20 Compliant
A19-8.5-E26-827-ND 120-277V	60W Incandescent	8.5W	800	100	2700K	80	25,000	N/A	No
A19-8.5-E26-830-ND 120-277V		8.5W	800	100	3000K	80	25,000		
A19-8.5-E26-840-ND 120-277V		8.5W	840	105	4000K	80	25,000		
A19-8.5-E26-850-ND 120-277V		8.5W	840	105	5000K	80	25,000		
A21-16.5-E26-827-ND	125W Metal Halide	16.5W	2100	127	2700K	80	25,000		Yes
A21-16.5-E26-830-ND		16.5W	2200	133	3000K	80	25,000		
A21-16.5-E26-840-ND		16.5W	2250	136	4000K	80	25,000		
A21-16.5-E26-850-ND		16.5W	2300	139	5000K	80	25,000		No
A21-16.5-E26-940-ND-UNV		16.5W	2000	121	4000K	90	25,000		
A21-16.5-E26-950-ND-UNV		16.5W	2000	121	5000K	90	25,000		
A21-17-E26-830-ND 120-277V	125W Metal Halide	17W	2000	118	3000K	80	40,000		No
A21-17-E26-840-ND 120-277V		17W	2050	121	4000K	80	40,000		
A21-17-E26-850-ND 120-277V		17W	2050	121	5000K	80	40,000		
A23-24-E26-830-ND 120-277V	200W Metal Halide	24W	3010	125	3000K	80	40,000		No
A23-24-E26-840-ND 120-277V		24W	3050	127	4000K	80	40,000		
A23-24-E26-850-ND 120-277V		24W	3050	127	5000K	80	40,000		

PERFORMANCE (CONT.)

Catalog Number	Equivalency	Input Wattage	Lumen	Efficacy	Color Temperature	CRI	L70 Lifespan	DLC ID	Title 20 Compliant
A23-24-EX39-830-ND 120-277V	200W Metal Halide	24W	3000	125	3000K	80	50,000	N/A	No
A23-24-EX39-840-ND 120-277V		24W	3050	127	4000K	80	50,000		
A23-24-EX39-850-ND 120-277V		24W	3050	127	5000K	80	50,000		
PS25-32-E26-830-ND 120-277V	300W Incandescent	32W	4000	125	3000K	80	50,000		
PS25-32-E26-840-ND 120-277V		32W	4100	128	4000K	80	50,000		
PS25-32-E26-850-ND 120-277V		32W	4100	128	5000K	80	50,000		
PS25-32-EX39-830-ND 120-277V	300W Incandescent	32W	4000	125	3000K	80	50,000		
PS25-32-EX39-840-ND 120-277V		32W	4100	128	4000K	80	50,000		
PS25-32-EX39-850-ND 120-277V		32W	4100	128	5000K	80	50,000		
PS30-36-EX39-830-ND 120-277V	175W Metal Halide	36W	4900	136	3000K	80	50,000	PLH4WPXZ3T3J	
PS30-36-EX39-840-ND 120-277V		36W	5100	142	4000K	80	50,000	PLTNRDWZHGYS	
PS30-36-EX39-850-ND 120-277V		36W	5100	142	5000K	80	50,000	PL89F9KHWXXK	

TECHNICAL SPECIFICATIONS

CONSTRUCTION

- Product Type
- A-line commercial bulbs
- Finish
- White
- Beam Angle
- 230°
- Lens Finish
- Frosted

Bulb Shape	Wattage	Base Type	Endcap Material	Enclosure Material
A19	8.5W	E26	Nickel plated brass	Plastic
A21	16.5W	E26	Aluminum	Polycarbonate
A21	17W	E26	Die-cast aluminum	Polycarbonate & metal heat sink
A23	24W	E26, EX39		
PS25	32W	E26, EX39		
PS30	36W	EX39	Nickel plated brass	Die-cast aluminum

COMPLIANCE

- Safety Listing
- UL Listed, UL Classified*
- *A21-16.5W is excluded*
- Environment
- Suitable for use in dry and damp environments.
- Fixture Rating
- Suitable for use in enclosed fixtures
- DLC Listed
- 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. *(Applies to PS30 only)*
- T20 Compliant
- Can be used to conform with the requirements of California Title 20. *(Applies to A21-16.5W only)*
- California Energy Commission (CEC) Status
- Lawful for Sales in California *(Applies to A21-16.5W only)*
- RoHS
- Mercury and UV free. RoHS-compliant components.
- FCC
- Complies with Part 15 of the FCC Rules

TECHNICAL SPECIFICATIONS

ELECTRICAL

Dimmable

No, not suggested for dimming applications

Power Factor

>0.9

(A19 and A21-16.5W bulbs: PF >0.7)

Input Voltage

120-277V

Operating Frequency

50-60 Hz

Operating Temperature

-4°F to 113°F (-20°C to 45°C)

(A21-16.5W: -13°F to 113°F (-25°C to 45°C))

LED Characteristics

R9 Value

High color performance with R9 no less than 0

Color Consistency

A21-16.5W: <4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Others: <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.

**A19 and A21-16.5W are excluded*

INSTALLATION

Installation Method:

If replacing HID Lamps, must bypass the ballast.

OTHER

Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of three (3)** 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

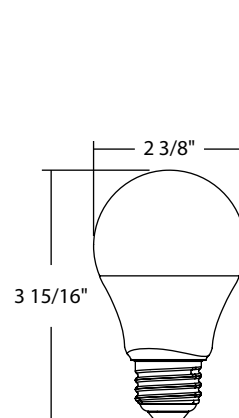
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

***A19 and A21-16.5W are 3 years*

DIMENSIONS

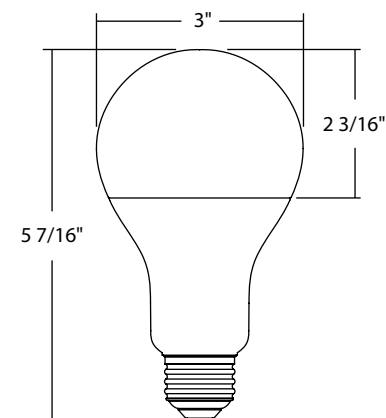
8.5W A19-E26

Weight: 0.1 lb



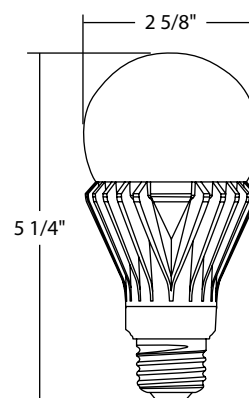
16.5W A21 - E26

Weight: 0.25 lb



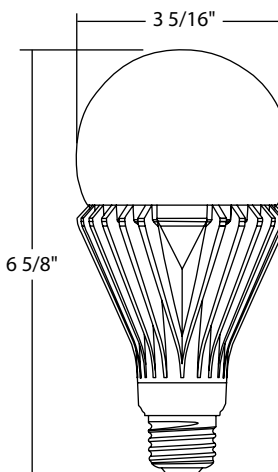
17W A21 - E26

Weight: 0.42 lb



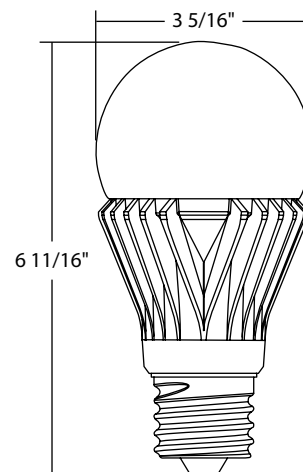
24W A23 - E26

Weight: 0.71 lb



24W A23 - EX39

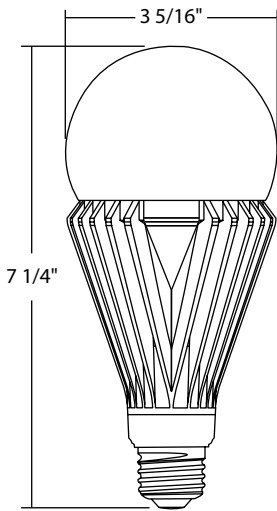
Weight: 0.75 lb



DIMENSIONS (CONT.)

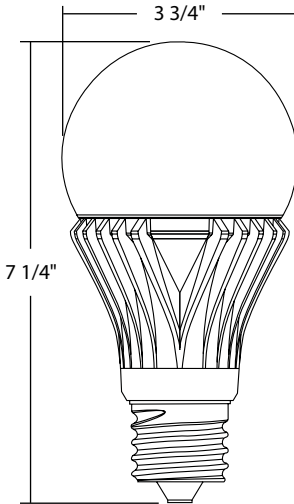
32W PS25 - E26

Weight: 0.96 lb



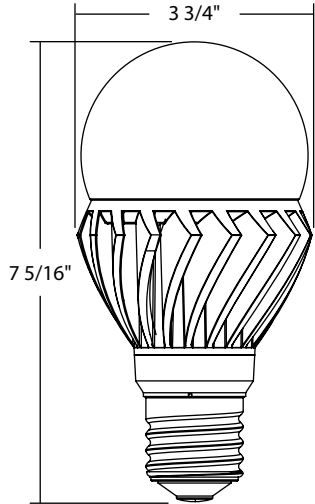
32W PS25 - EX39

Weight: 1.11 lb



36W PS30 - EX39

Weight: 1.41 lb



ORDERING INFO

Catalog Number	Model Number (DLC)	UPC	Case Pack
A19-8.5-E26-827-ND 120-277V	A10013	019813833835	12
A19-8.5-E26-830-ND 120-277V	A10014	019813833842	12
A19-8.5-E26-840-ND 120-277V	A10015	019813833859	12
A19-8.5-E26-850-ND 120-277V	A10016	019813833866	12
A21-16.5-E26-827-ND	A10055(A21-16.5-E26-827-ND)	192552000079	12
A21-16.5-E26-830-ND	A10056(A21-16.5-E26-830-ND)	192552000086	12
A21-16.5-E26-840-ND	A10057(A21-16.5-E26-840-ND)	192552000093	12
A21-16.5-E26-850-ND	A10058(A21-16.5-E26-850-ND)	192552000109	12
A21-16.5-E26-940-ND-UNV	A10112(A21-16.5-E26-940-ND-UNV)	192552025409	12
A21-16.5-E26-950-ND-UNV	A10113(A21-16.5-E26-950-ND-UNV)	192552025416	12
A21-17-E26-830-ND 120-277V	A10017	019813833873	12
A21-17-E26-840-ND 120-277V	A10018	019813833880	12
A21-17-E26-850-ND 120-277V	A10019	019813833897	12
A23-24-E26-830-ND 120-277V	A10020	019813833903	12
A23-24-E26-840-ND 120-277V	A10021	019813833910	12
A23-24-E26-850-ND 120-277V	A10022	019813833927	12
A23-24-EX39-830-ND 120-277V	A10023	019813833934	12
A23-24-EX39-840-ND 120-277V	A10024	019813833941	12
A23-24-EX39-850-ND 120-277V	A10025	019813833958	12

ORDERING INFO (CONT.)

Catalog Number	Model Number (DLC)	UPC	Case Pack
PS25-32-E26-830-ND 120-277V	A10026	019813833965	12
PS25-32-E26-840-ND 120-277V	A10027	019813833972	12
PS25-32-E26-850-ND 120-277V	A10028	019813833989	12
PS25-32-EX39-830-ND 120-277V	A10029	019813833996	12
PS25-32-EX39-840-ND 120-277V	A10030	019813834009	12
PS25-32-EX39-850-ND 120-277V	A10031	019813834016	12
PS30-36-EX39-830-ND 120-277V	P10023(PS30-36-EX39-830-ND 120-277V)	192552000000	6
PS30-36-EX39-840-ND 120-277V	P10024(PS30-36-EX39-840-ND 120-277V)	192552000017	6
PS30-36-EX39-850-ND 120-277V	P10025(PS30-36-EX39-850-ND 120-277V)	192552000024	6

ORDERING MATRIX

Family	Wattage		Base Type		CRI/Color Temp		Dimmable	Voltage	
	-		-	E26	-		-	ND	
A19	8.5	8.5W	E26	Edison	950	90 CRI, 5000K	ND	Non-Dimmable	120-277V 120-277V
A21	16.5	16.5W			940	90 CRI, 4000K			-UNV 120-277V, T20
	17	17W			850	80 CRI, 5000K			Blank 120-277V
					840	80 CRI, 4000K			
					830	80 CRI, 3000K			
					827	80 CRI, 2700K			

Family	Wattage		Base Type		CRI/Color Temp		Dimmable	Voltage	
	-		-		-		-	ND	120-277V
A23	24	24W	E26	Edison	850	80 CRI, 5000K	ND	Non-Dimmable	120-277V 120-277V
PS25	32	32W	EX39	Extended Mogul	840	80 CRI, 4000K			
PS30	36	36W			830	80 CRI, 3000K			

Ordering Matrix Notes:

8.5W and 2700K only available in A19 with E26 base and a 3-year, no-compromise warranty

16.5W only available in A21 with E26 base, 90CRI meets T20 requirements, and a 3-year, no-compromise warranty

17W only available in A21 with E26 base and a 5-year, no-compromise warranty

24W only available in A23 and a 5-year, no-compromise warranty

32W only available in PS25 and a 5-year, no-compromise warranty

36W only available in PS30 with EX39 base and a 5-year, no-compromise warranty