project name	type
catalog number	voltage
approved by	date

A21/A23/PS30 HIGH LUMEN HID REPLACEMENT LAMPS

The LED large A-Line and PS30 lamps provide up to 6000 lumens of light output, ideal for replacing 70W-175W HID lamps and 150W-300W incandescent lamps. The color temperature, light output and wattage are field-adjustable, reducing the number of stocking SKUs while enabling on-site lighting customization.



A21-E26 A23-E26 A23-EX39 PS30-E26 PS30-EX39

SPECIFICATIONS

INTENDED USE

- Replaces 70W-175W HID lamps, such as metal halide and mercury vapor, with up to 75% energy savings.
- Replaces 150W-300W incandescent lamps, with up to 85% energy savings
- Base up, base down, or horizontal installations

CONSTRUCTION & INSTALLATION

- Lamp shape: A21, A23, PS30
- Lamp base: E26, EX39
- Frosted white plastic lens for uniform light distribution
- White die-cast housing for highly efficient passive cooling
- A metal safety chain is included for PS30 lamps

ELECTRICAL

- PowerSET: Three-step power settings for field-adjustable light output via dip switch
- Type B: Wired directly to AC line voltage
- Input Voltage: 120-277V, 60 Hz
- Dimming: TRIAC, 10-100%
- Power Factor: > 0.9, THD: < 20%, Flicker: <30%
- Surge Protection: Built-in 2kV (A21), 4kV (A23, PS30)

OPTICAL

- ColorSET: Field-adjustable color temperature via dip switch (3000/4000/5000K)
- CRI: 80+
- Beam Angle: 230°
- Lumens: 1650-6000 lm, 3 levels field-adjustable via PowerSET
- Efficacy: 132-157 lm/W
- Rated Life: L70/50,000 hours

ENVIRONMENTAL

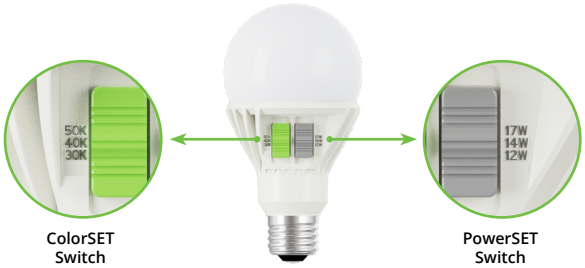
- Operating Temperature: -4°F to 113°F (-20°C to 45°C)
- Suitable for dry and damp locations
- Rated for use in enclosed fixtures

WARRANTY

- 5-year limited warranty available online. Contact your EiKO sales rep for additional details.

FEATURES

FIELD ADJUSTABLE CCT AND WATTAGE (LUMEN LEVELS)



ColorSET Switch PowerSET Switch

DIRECT FIT INTO TRADITIONAL LAMP BASES (INCANDESCENT, HID)

E26  EX39 

APPLICATIONS

- Bollards
- Post Tops
- High/Low Bays
- Utility & Barn Lights
- Security & Flood Lights
- Downlights

AVAILABLE MODELS

ORDER CODE	MODEL	WATTAGE EQUIVALENCY	BULB SHAPE	BASE TYPE	WATTS (W)	LUMEN OUTPUT (LM)	CRI	COLOR TEMPERATURE (CCT)	DIMMING	T20	T24/ JA8
120-277V											
16466	A21-PS-9FCCT-UDIM-E26	150W Incandescent	A21	E26	**17**/14/12W	**2350**/2000/1750 lm	90+	3000/**4000**/5000K	Triac 10-100%	Yes	Yes
16467	A23-PS-8FCCT-UDIM-E26	200W Incandescent	A23	E26	**24**/19/14W	**3500**/2770/2060 lm	80+	3000/**4000**/5000K		EXEMPT	EXEMPT
16468	A23-PS-8FCCT-UDIM-EX39	200W Incandescent 70W HID	A23	EX39	**24**/19/14W	**3550**/2900/2200 lm	80+	3000/**4000**/5000K			
16469	PS30-PS-8FCCT-UDIM-E26	300W Incandescent 100W HID	PS30	E26	**34**/28/21W	**5000**/4200/3200 lm	80+	3000/**4000**/5000K			
16470	PS30-PS-8FCCT-UDIM-EX39	300W Incandescent 100-175W HID	PS30	EX39	**34**/28/21W	**5000**/4200/3200 lm	80+	3000/**4000**/5000K			
16471	PS30-PSH-8FCCT-UDIM-EX39	300W Incandescent 100-175W HID	PS30	EX39	**41**/34/28W	**6000**/5000/4200 lm	80+	3000/**4000**/5000K			

Default Setting: Max Power, 4000K CCT

PERFORMANCE TABLE

ORDER CODE	MODEL	WATTS SETTING (W)	3000K		4000K		5000K	
			LUMENS (LM)	EFFICACY (LM/W)	LUMENS (LM)	EFFICACY (LM/W)	LUMENS (LM)	EFFICACY (LM/W)
16466	A21-PS-9FCCT-UDIM-E26	**17**	2250	132	**2350**	138	2350	138
		14	1900	136	2000	143	2000	143
		12	1650	138	1750	146	1750	146
16467	A23-PS-8FCCT-UDIM-E26	**24**	3350	139	**3500**	146	3400	142
		19	2650	139	2770	146	2770	146
		14	1960	140	2060	147	2060	147
16468	A23-PS-8FCCT-UDIM-EX39	**24**	3480	145	**3550**	148	3550	148
		19	2800	147	2900	153	2900	153
		14	2150	154	2200	157	2200	157
16469	PS30-PS-8FCCT-UDIM-E26	**34**	4930	145	**5000**	147	4950	146
		28	4100	146	4200	150	4200	150
		21	3100	148	3200	152	3200	152
16470	PS30-PS-8FCCT-UDIM-EX39	**34**	4930	145	**5000**	147	4950	146
		28	4100	146	4200	150	4200	150
		21	3100	148	3200	152	3200	152
16471	PS30-PSH-8FCCT-UDIM-EX39	**41**	5950	145	**6000**	146	5960	145
		34	4930	145	5000	147	4950	146
		28	4100	146	4200	150	4200	150

Default Setting: Max Power, 4000K CCT

ORDERING GUIDE

MODEL CONFIGURATOR						
BULB SHAPE	WATTS (W)	COLOR TEMPERATURE (K)		INPUT VOLTAGE (VAC)	DIMMING	BASE TYPE
			FCCT	U	DIM	
A21 **A23** **PS30**	**PS - PowerSET** **PSH - PowerSET High Output** **A21-PS -** 17/14/12W **A23-PS -** 24/19/14W **PS30-PS -** 34/28/21W **PS30-PSH -** 41/34/28W	**8FCCT -** 80+ CRI **9FCCT -** 90+ CRI	**ColorSET -** 3000/4000/5000K **ColorSET -** 3000/4000/5000K	**U -** 120-277V AC	**DIM -** Dimmable Triac 10-100%	**E26 -** Medium base **EX39 -** Mogul base

EXAMPLE PART NUMBER: PS30-PS-8FCCT-UDIM-EX39

DLC LISTING INFORMATION

ORDER CODE	MODEL	DLC PRODUCT ID	CLASSIFICATION	PRIMARY USE DESIGNATION
120-277V				
16466	A21-PS-9FCCT-UDIM-E26		Standard	
16467	A23-PS-8FCCT-UDIM-E26		Standard	
16468	A23-PS-8FCCT-UDIM-EX39	S-FYTZ57	Standard	Omnidirectional/Directional Replacement Lamps (UL Type B)
16469	PS30-PS-8FCCT-UDIM-E26		Standard	
16470	PS30-PS-8FCCT-UDIM-EX39	S-SPFF5R	Standard	Omnidirectional/Directional Replacement Lamps (UL Type B)
16471	PS30-PSH-8FCCT-UDIM-EX39	S-VGKHPJ	Standard	Omnidirectional/Directional Replacement Lamps (UL Type B)

PACKAGING

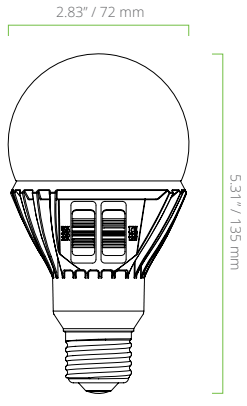
ORDER CODE	MODEL	BOX			INNER CARTON			MASTER CARTON		
		QTY	DIMENSION	WEIGHT	QTY	DIMENSION	WEIGHT	QTY	DIMENSION	WEIGHT
16466	A21-PS-9FCCT-UDIM-E26	1	2.99 x 2.99 x 6.19 inch 76 x 76 x 157 mm	0.56 lb 0.26 kg	6	9.53 x 6.30 x 6.69 inch 242 x 160 x 170 mm	3.75 lb 1.7 kg	12	19.86 x 13.32 x 7.49 inch 504 x 338 x 190 mm	15.0 lb 6.8 kg
16467	A23-PS-8FCCT-UDIM-E26	1	3.47 x 3.47 x 7.29 inch 88 x 88 x 185 mm	0.94 lb 0.43 kg	6	10.94 x 7.28 x 7.80 inch 278 x 185 x 198 mm	6.06 lb 2.75 kg	12	15.37 x 11.66 x 8.59 inch 390 x 296 x 218 mm	12.1 lb 5.5 kg
16468	A23-PS-8FCCT-UDIM-EX39	1	3.47 x 3.47 x 7.64 inch 88 x 88 x 194 mm	1.03 lb 0.47 kg	6	10.94 x 7.28 x 8.15 inch 278 x 185 x 207 mm	6.06 lb 2.75 kg	12	15.37 x 11.66 x 8.94 inch 390 x 296 x 227 mm	12.1 lb 5.5 kg
16469	PS30-PS-8FCCT-UDIM-E26	1	3.90 x 3.90 x 8.98 inch 99 x 99 x 228 mm	1.51 lb 0.69 kg	6	12.20 x 8.15 x 9.49 inch 310 x 207 x 241 mm	10.14 lb 4.6 kg	12	17.10 x 12.92 x 10.28 inch 434 x 328 x 261 mm	20.4 lb 9.3 kg
16470	PS30-PS-8FCCT-UDIM-EX39	1	3.90 x 3.90 x 9.10 inch 99 x 99 x 231 mm	1.60 lb 0.73 kg	6	12.20 x 8.15 x 9.61 inch 310 x 207 x 244 mm	10.14 lb 4.6 kg	12	17.10 x 12.92 x 10.40 inch 434 x 328 x 264 mm	20.4 lb 9.3 kg
16471	PS30-PSH-8FCCT-UDIM-EX39	1	3.90 x 3.90 x 9.10 inch 99 x 99 x 231 mm	1.60 lb 0.73 kg	6	12.20 x 8.15 x 9.61 inch 310 x 207 x 244 mm	10.14 lb 4.6 kg	12	17.10 x 12.92 x 10.40 inch 434 x 328 x 264 mm	20.4 lb 9.3 kg

Order multiple is 1 box

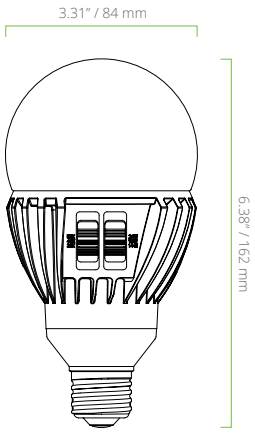
COMPATIBLE DIMMERS

BRAND	MODELS
COOPER	DLC03P
LEVITON	6674-10W
LUTRON	DVLV-10P
LUTRON	DV-600P
LUTRON	DVCL-153P

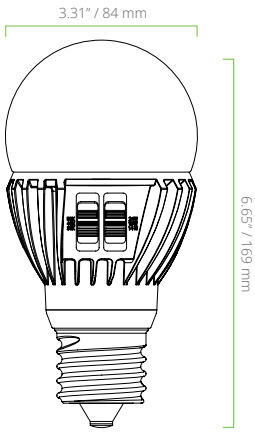
PRODUCT DIMENSIONS



A21-PS-9FCCT-UDIM-E26

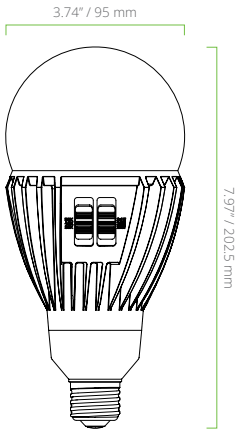


A23-PS-8FCCT-UDIM-E26

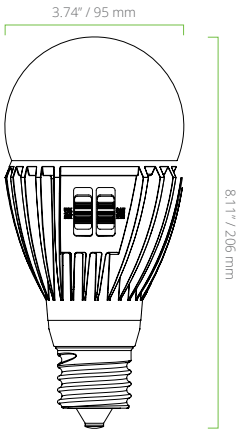


A23-PS-8FCCT-UDIM-EX39

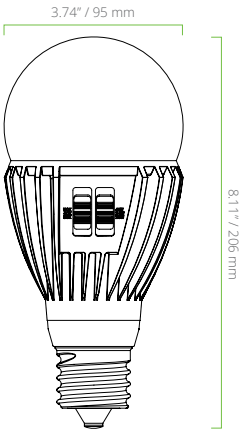
PRODUCT DIMENSIONS



PS30-PS-8FCCT-UDIM-E26



PS30-PS-8FCCT-UDIM-EX39



PS30-PSH-8FCCT-UDIM-EX39