



2 Pin Magnetic Ballast PL Lamp Retrofits

**Models**

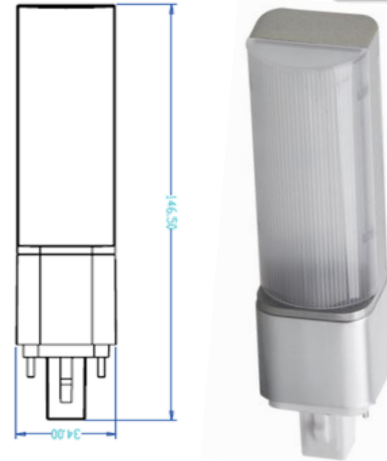
- LED-7311-XXA, G23-2, 120-277VAC, CE, ROHS, 2700K, 3500K & 4000K CCT
- LED-7312-XXA, GX23-2, 120-277VAC, CE, ROHS, 2700K, 3500K & 4000K CCT
- LED-7322-XXA, G24d, 120-277VAC, CE, ROHS, 2700K, 3500K & 4000K CCT

**Description**

Light Efficient Design's 2 Pin PL Lamp Retrofit Lamps replace CFL lamps up to 26W. Unique lamp designs closely matches existing PL lamp to deliver optimum light distribution. Operates with magnetic ballasts or 120-277V Line Voltage.

**Features**

- 7W LED Replaces up to 26W CFL Lamps
- Up to 900 lumen output
- 2 Pin socket types only (see technical specification for each models)
- Suitable for damp environments and semi-enclosed recessed fixtures or equivalent
- 50,000 hour rated LED life (supported by LM80 and ISTMT reports (see website)
- 5 Year Limited Warranty - see website for details
- Insect/dust resistant housing



TECHNICAL SPECIFICATIONS - 120-277V - ALL MODELS cULus (\* = data pulled from LM79 report)

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-7311-27K-G2	120-277V	7W	815	120	Up to 13W 2 Pin PL CFL	G23-2	2700K	81.7	N/A	N/A	N/A	N/A	120°	No
LED-7311-35K-G2			883	120			3500K	85.1	N/A	N/A	N/A	N/A		
LED-7311-40K-G2			892	120			4000K	84	N/A	N/A	N/A	N/A		
LED-7312-27K-G2	120-277V	7W	801	118	Up to 13W 2 Pin PL CFL	GX23-2	2700K	81.9	N/A	0.9	6	0.0009	120°	No
LED-7312-35K-G2			899	129			3500K	84.9	N/A	N/A	N/A	N/A		
LED-7312-40K-G2			914	131			4000K	83.9	N/A	0.9	15	0.0018		
LED-7322-27A	120-277V	7W	849	121	Up to 26W 2 Pin PL CFL	G24d	2700K	81.9	19	0.9	6	0.0008	120°	No
LED-7322-35A			869	129			3500K	85	19	0.9	18	-0.001		
LED-7322-40A			887	132			4000K	84.1	19	0.9	12	0.003		




PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-7311	5.75 X 1.374 in.	0.4 lbs./0.18 kg.	6.9 X 2.4 X 2.2 in./ 175 X 60 X 55 mm.	0.3 lbs/.13 kg.	15.9 X 7.3 X 4.9 in./ 405 X 185 X 125 mm.	4 lbs./1.8 kg.	24
LED-7312	5.75 X 1.374 in.	0.4 lbs./0.18 kg.	6.9 X 2.4 X 2.2 in./ 175 X 60 X 55 mm.	0.3 lbs/.13 kg.	15.9 X 7.3 X 4.9 in./ 405 X 185 X 125 mm.	4 lbs./1.8 kg.	24
LED-7322	5.75 X 1.374 in.	0.4 lbs./0.18 kg.	6.9 X 2.4 X 2.2 in./ 175 X 60 X 55 mm.	0.3 lbs/.13 kg.	15.9 X 7.3 X 4.9 in./ 405 X 185 X 125 mm.	4 lbs./1.8 kg.	24

ENERGY SAVING vs. HID

ZONAL LUMENS/ LUX DISTANCE DATA (see LM79 for more information)

Mounting Orientation

LED Lamp Power (watts)	7	<p><b>Compatible Ballast List</b></p> <p>Compatible Electronic Ballast</p> <p>Philips Advance ICF-2S26-H1-LD</p> <p>Philips Advance ICF-2S42-M2-LD</p> <p>Philips Advance ICF-2S18-HA-LD</p> <p>Philips Advance REB-2S13-M6-EL</p> <p>Hatch HC213PS/UV/D</p> <p>Hatch HC218PS/UV/D</p> <p>Triad C213UNVME</p> <p>Triad QTP 2x26DF/UNV DM</p> <p>Pony NPY-120-126-BLS</p> <p>Fulham Workhorse 2 WH2-277-L</p> <p>Fulham WorkHorse 2 WH2-120-L</p>	BASE DOWN	BASE UP	HORIZONTAL
PL Lamp Power (watts)	18				
PL Ballast Power (watts)	3		APPROVED	APPROVED	APPROVED
Total power Savings (watts)	13.7		<p>Recommended Minimum Fixture Size</p> <p>Width 6</p> <p>Height 6</p> <p>Volume (Cu. Cm.) 36</p>	THERMAL SPECIFICATIONS	
Annual Energy Savings	£5			OPERATING TEMPERATURE	0°F to +85°F / -17°C to +30°C
Lifetime Energy Savings over 50,000 hrs)	£53			IN-SITU TEMP MEASUREMENT/L70	
				LED TEMPERATURE*	N/A
			L70 LED LUMEN MAINTAINENCE*	N/A	
			* FROM ISTMT REPORT AT 25°C		