



External Driver 30W / 45W / 60W Bollard / Post Top Retrofit

**Models**

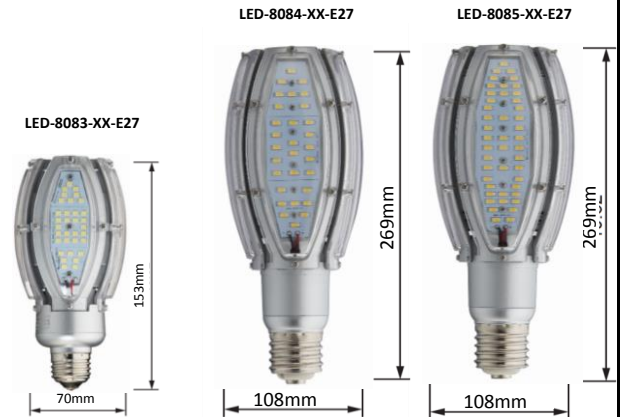
- LED-8083-XX-E27, 30W, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT
- LED-8084-XX-E27, 45W, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT
- LED-8085-XX-E27, 60W, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT

**Description**

Light Efficient Design's External Driver Post Top/Bollard retrofits replace HID lamps up to 250W HID. Unique lamp design closely matches existing HID lamp to deliver optimum light distribution. External, dimmable driver can be installed up to 60' from lamp. 3 Way dimming: PWM, 0-10V, and Resistive, appropriate controller needed (see controller manufacturer to determine compatibility).

**Features**

- 30W, 45W, and 60W models, Replaces up to 250W MH or HPS HID Lamps
- Up to 6,130 lumen output and 128 LPW efficacy
- Available in either E27 or E40 screw base
- Suitable for enclosed fittings
- 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**

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8083-NW-E27	120-277V	30W	3661	117	100W HID/ 300W Halogen	E27	3000K	81.9	0.0764	98	6	-0.0001	360°	Yes
LED-8083-CW-E27			3919	127			4000K	82.8	0.0759	98	12	0.0005		
LED-8083-DL-E27			3955	128			5700K	84.4	0.0749	98	9	0.0027		
LED-8084-CW-E40	120-277V	45W	4273	93	175W HID/ 500W Halogen	E40	4200K	84.4	0.127	0.921	27	-0.0005	360°	Yes
LED-8084-DL-E40			4509	97			5700K	85.8	0.126	0.919	11	0.0024		
LED-8085-CW-E40	120-277V	60W	5807	102	250W HID/ >500W Halogen	E40	4200K	96.2	0.1524	0.911	29	-0.001	360°	Yes
LED-8085-DL-E40			6130	107			5700K	84.7	0.1509	0.911	14	0.0019		




**PACKAGING SPECIFICATIONS**

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8083-XX-E27	153 X 70 mm	0.68 kg.	152 X 112 X 250 mm	.9 kg.	475 X 350 X 265 mm	7.3 kg.	9
LED-8084-XX-E40	269 X 108 mm	1.06 lbs	190 X 138 X 305 mm	1.810 kg.	400 X 296 X 320 mm	11.6 kg.	4
LED-8085-XX-E40	269 X 108 mm	1.06 lbs	190 X 138 X 305 mm	1.810 kg.	400 X 296 X 320 mm	11.6 kg.	4

**ENERGY SAVING vs. HID (60W)**

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

**Mounting Orientation**

LED Lamp Power (watts)	60	<b>LED-8085M Data</b>				<b>Zone</b>			<b>Lumens</b>			<b>BASE DOWN</b>	<b>BASE UP</b>	<b>HORIZONTAL</b>		
HID Lamp Power (watts)	250	<b>4.6 Zonal Lumen Summary</b>														
HID Ballast Power (watts)	38	Zone	Lumens	%Lamp	%Fixt	0-10	6.3	10-20	36.77	20-30	106.51	<b>APPROVED</b>				
Total power Savings (watts)	227.5	0-30	149.57	2.4	2.4	30-40	215.15	40-50	340.86	50-60	469	<b>Recommended</b>				
Annual Energy Savings	£91	60-70	581.15	5.9	5.9	60-80	663.25	80-90	705.21	90-100	702.41	<b>Minimum</b>				
Lifetime Energy Savings over 50,000 hrs)	£887	90-120	1927.39	31.2	31.2	100-110	655.65	110-120	569.33	120-130	466.24	<b>Fitting Size</b>				
		90-130	2383.63	38.6	38.6	130-140	328.41	140-150	203.91	150-160	100.52	Width	216	<b>IN-SITU TEMP MEASUREMENT/L70</b>		
		90-150	2915.96	47.2	47.2	160-170	32.72	170-180	2.97	Height	175	LED TEMPERATURE*		62.3°C		
		90-180	3052.16	49.4	49.4					Volume (Cu. Cm.)	3780	L70 LED LUMEN MAINTAINANCE*		50,000 hrs		
		0-180	6176.37	100	100					* FROM ISTMT REPORT AT 25°C						

**LIGHT EFFICIENT DESIGN UK: Intermail GFS ■ Horizon West ■ Canal View Road ■ Newbury ■ Berkshire ■ RG14 5XF ■ United Kingdom**  
 ■ +44 1635 904204 ■ sales@ledukitd.com ■ www.led-llc.com