



External Driver 30W / 45W PAR - Recessed Retrofit

**Models**

LED-8081-XX-E27, 30W, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT  
 LED-8082-XX-E27, 45W, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT

**Description**

Light Efficient Design's External Driver PAR retrofits replace HID lamps up to 175W 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 and 45W models, Replaces up to 175W MH or 500W incandescent Lamps
- Up to 5,229 lumen output and 122 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-8081-WW-E27	120-277V	30W	3177	99	100W HID/ 300W Halogen	E27	3000K	83.5	0.1009	90	14	-0.000953	120°	Yes
LED-8081-CW-E27			4000K	83.5			0.0747	98	11	0.0007				
LED-8081-DL-E27			5700K	81.2			0.0718	98	1	0.0023				
LED-8082-WW-E40	45W	175W HID/ 500W Halogen	4410	110	E40	2700K	81.7	0.129	90	6	0.0001			
LED-8082-CW-E40			4000K	83.8		0.0575	99	13	0.0006					
LED-8082-DL-E40			5700K	81.2		0.0564	98	1	0.0023					

**PACKAGING SPECIFICATIONS**

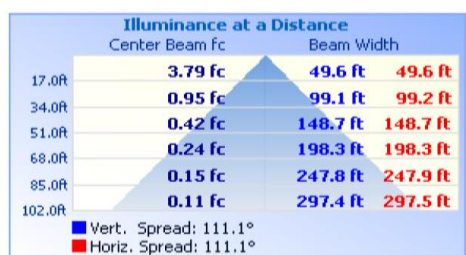
MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8081E	210 X 127 mm	.63 kg.	215 X 170 X 262 mm	1.1 kg.	530 X 445 X 280 mm	4.9 kg.	4
LED-8082M	214 X 127 mm	.66 kg.	215 X 170 X 262 mm	1.15 kg.	530 X 445 X 280 mm	5 kg.	4

**ENERGY SAVING vs. HID (45W)**

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

**Mounting Orientation**

LED Lamp Power (watts)	45
HID Lamp Power (watts)	175
HID Ballast Power (watts)	26
Total power Savings (watts)	156.25
Annual Energy Savings	£62
Lifetime Energy Savings over 50,000 hrs	£609



Note:

		BASE DOWN	BASE UP	HORIZONTAL
		APPROVED	APPROVED	APPROVED
Recommended Minimum Fitting Size		THERMAL SPECIFICATIONS		
		OPERATING TEMPERATURE		-40°C to +50°C
IN-SITU TEMP MEASUREMENT/L70				
Width	338	LED TEMPERATURE*		75.4°C
Height	203	L70 LED LUMEN MAINTAINANCE*		>54,000
Volume (Cu. Cm.)	6861.4	* FROM ISTMT REPORT AT 25°C		

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