



LED-8088E/M 50W Shoebox / Wall Pack Retrofit

**Models**

LED-8088-XX-E27/E40, 120-277VAC, CE, ROHS, 4000K & 5700K CCT

**Description**

Light Efficient Design's Shoebox / Wall Pack retrofits replace HID lamps up to 175W HID. Advanced Active Cooling technology improves thermal performance and delivers the highest light output along with longer LED and driver life versus lamps limited to passive cooling. Internal fans have thermal feedback and a long life (70,000 hours).

**Features**

- 50W LED Replaces up to 175W MH or HPS HID Lamps
- Up to 5,870 lumen output and 116 LPW efficacy
- Available in either E27 or E40 screw base
- Suitable for enclosed fittings
- Advanced active cooling: Active cooling and dynamic temperature control
- Integrated 6kA surge
- 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-8088-CW-E27	120-277V	50W	5946	116	175W HID	E27	4000K	83.8	0.1848	0.918	12	0.0009	120°	No
LED-8088-DL-E27			6073	115			5700K	84.5	0.186	0.9659	15	0.0031		
LED-8088-CW-E40	120-277V	50W	5946	116	175W HID	E40	4000K	83.8	0.1848	0.918	12	0.0009	120°	No
LED-8088-DL-E40			5870	116			5700K	85.7	0.1657	0.938	20	0.0021		

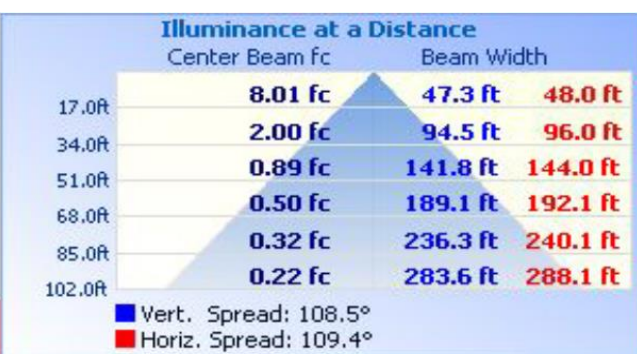
PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8088-XX-E27	199 X 95 mm	.57 KG	110 X 110 X 205 mm	0.69 KG	345 X 345 X 220 mm	6.85 KG	9
LED-8088-XX-E40	215 X 95 mm	.59 KG	110 X 110 X 205 mm	0.69 KG	345 X 345 X 220 mm	6.85 KG	9

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	50	 <p><b>Illuminance at a Distance</b> Center Beam fc    Beam Width</p> <table border="1"> <tr> <td>17.0ft</td> <td>8.01 fc</td> <td>47.3 ft</td> <td>48.0 ft</td> </tr> <tr> <td>34.0ft</td> <td>2.00 fc</td> <td>94.5 ft</td> <td>96.0 ft</td> </tr> <tr> <td>51.0ft</td> <td>0.89 fc</td> <td>141.8 ft</td> <td>144.0 ft</td> </tr> <tr> <td>68.0ft</td> <td>0.50 fc</td> <td>189.1 ft</td> <td>192.1 ft</td> </tr> <tr> <td>85.0ft</td> <td>0.32 fc</td> <td>236.3 ft</td> <td>240.1 ft</td> </tr> <tr> <td>102.0ft</td> <td>0.22 fc</td> <td>283.6 ft</td> <td>288.1 ft</td> </tr> </table> <p>■ Vert. Spread: 108.5° ■ Horiz. Spread: 109.4°</p>	17.0ft	8.01 fc	47.3 ft	48.0 ft	34.0ft	2.00 fc	94.5 ft	96.0 ft	51.0ft	0.89 fc	141.8 ft	144.0 ft	68.0ft	0.50 fc	189.1 ft	192.1 ft	85.0ft	0.32 fc	236.3 ft	240.1 ft	102.0ft	0.22 fc	283.6 ft	288.1 ft	BASE DOWN	BASE UP	HORIZONTAL
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HID Lamp Power (watts)	175	APPROVED	APPROVED	APPROVED																									
HID Ballast Power (watts)	26	<p>Recommended Minimum Fitting Size</p> <table border="1"> <tr> <td>Width</td> <td>11.9</td> <td colspan="2">IN-SITU TEMP MEASUREMENT/L70</td> </tr> <tr> <td>Height</td> <td>137</td> <td>LED TEMPERATURE*</td> <td>69</td> </tr> <tr> <td>Volume (Cu. Cm.)</td> <td>163.03</td> <td>L70 LED LUMEN MAINTAINENCE*</td> <td>51,000</td> </tr> </table> <p>* FROM ISTMT REPORT AT 25°C</p>	Width	11.9	IN-SITU TEMP MEASUREMENT/L70		Height	137	LED TEMPERATURE*	69	Volume (Cu. Cm.)	163.03	L70 LED LUMEN MAINTAINENCE*	51,000															
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Volume (Cu. Cm.)	163.03	L70 LED LUMEN MAINTAINENCE*	51,000																										
Total power Savings (watts)	151.25	THERMAL SPECIFICATIONS																											
Annual Energy Savings	£60	OPERATING TEMPERATURE		-40°C to +50°C																									
Lifetime Energy Savings over 50,000 hrs)	£590	Note: To convert to Lux, multiply Foot Candles by 10.76																											

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