



LED-8089M 80W Shoebox / Wall Pack Retrofit

**Models**

LED-8089-XX-E40, 120-277VAC, CE, ROHS, 4000K & 5000K CCT

**Description**

Light Efficient Design's Shoebox / Wall Pack retrofits replace HID lamps up to 250W 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**

- 80W LED Replaces up to 250W MH or HPS HID Lamps
- Up to 9,104 lumen output and 110 LPW efficacy
- Available in 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-8089-CW-E40	120-277V	80W	8959	109	250W HID	E40	4000K	83.7	0.173	0.913	14	0.0022	120°	No
LED-8089-DL-E40			9104	110			5000K	83.9	0.164	0.91	15	0.0025		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8089-XX-E40	289 X 109 mm	1.07 KG	150 X 150 X 335 mm	1.28 KG	470 X 470 X 350 mm	11.6 KG	9

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	80	<p><b>Illuminance at a Distance</b></p> <p>Center Beam fc      Beam Width</p> <table border="1"> <tr> <td>17.0ft</td> <td>11.5 fc</td> <td>50.7 ft</td> <td>48.7 ft</td> </tr> <tr> <td>34.0ft</td> <td>2.87 fc</td> <td>101.3 ft</td> <td>97.4 ft</td> </tr> <tr> <td>51.0ft</td> <td>1.28 fc</td> <td>152.0 ft</td> <td>146.1 ft</td> </tr> <tr> <td>68.0ft</td> <td>0.72 fc</td> <td>202.7 ft</td> <td>194.8 ft</td> </tr> <tr> <td>85.0ft</td> <td>0.46 fc</td> <td>253.3 ft</td> <td>243.4 ft</td> </tr> <tr> <td>102.0ft</td> <td>0.32 fc</td> <td>304.0 ft</td> <td>292.1 ft</td> </tr> </table> <p>■ Vert. Spread: 112.3° ■ Horiz. Spread: 110.1°</p>	17.0ft	11.5 fc	50.7 ft	48.7 ft	34.0ft	2.87 fc	101.3 ft	97.4 ft	51.0ft	1.28 fc	152.0 ft	146.1 ft	68.0ft	0.72 fc	202.7 ft	194.8 ft	85.0ft	0.46 fc	253.3 ft	243.4 ft	102.0ft	0.32 fc	304.0 ft	292.1 ft	BASE DOWN	BASE UP	HORIZONTAL
17.0ft	11.5 fc		50.7 ft	48.7 ft																									
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HID Lamp Power (watts)	250	APPROVED	APPROVED	APPROVED																									
HID Ballast Power (watts)	38	THERMAL SPECIFICATIONS																											
Total power Savings (watts)	207.5	Recommended Minimum Fitting Size	OPERATING TEMPERATURE	-40°C to +50°C																									
Annual Energy Savings	£83	Width	305	IN-SITU TEMP MEASUREMENT/L70																									
Lifetime Energy Savings over 50,000 hrs)	£809	Height	152	LED TEMPERATURE*	65																								
		Volume (Cu. Cm.)	4636	L70 LED LUMEN MAINTAINANCE*	50,000																								
					* FROM ISTMT REPORT AT 25°C																								

Note: To convert to Lux, multiply Foot Candles by 10.76

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