



LED-8090M 120W Shoebox / Wall Pack Retrofit

Models

LED-8090-XX-E40-A, 120-277VAC, CE, ROHS, 4000K & 5000K CCT

Description

Light Efficient Design's Shoebox / Wall Pack retrofits replace HID lamps up to 400W 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

- 120W LED Replaces up to 400W MH or HPS HID Lamps
- Up to 13,300 lumen output and 112 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-8090-CW-E40-A	120-277V	120W	13312	110	400W HID	E40	4000K	84.6	0.1762	0.91	18	0.0003	120°	No
LED-8090-DL-E40-A			13373	112			5000K	83.6	0.1827	0.9	15	0.0031		

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-A	289 X 109 mm	1.07 KG	150 X 150 X 335 mm	1.286 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)	120	<p>Illuminance at a Distance Center Beam fc Beam Width</p> <table border="1"> <tr> <td>17.0ft</td> <td>16.6 fc</td> <td>50.8 ft</td> <td>49.3 ft</td> </tr> <tr> <td>34.0ft</td> <td>4.15 fc</td> <td>101.6 ft</td> <td>98.6 ft</td> </tr> <tr> <td>51.0ft</td> <td>1.85 fc</td> <td>152.3 ft</td> <td>147.9 ft</td> </tr> <tr> <td>68.0ft</td> <td>1.04 fc</td> <td>203.1 ft</td> <td>197.2 ft</td> </tr> <tr> <td>85.0ft</td> <td>0.66 fc</td> <td>253.9 ft</td> <td>246.5 ft</td> </tr> <tr> <td>102.0ft</td> <td>0.46 fc</td> <td>304.7 ft</td> <td>295.8 ft</td> </tr> </table> <p>■ Vert. Spread: 112.4° ■ Horiz. Spread: 110.8°</p>	17.0ft	16.6 fc	50.8 ft	49.3 ft	34.0ft	4.15 fc	101.6 ft	98.6 ft	51.0ft	1.85 fc	152.3 ft	147.9 ft	68.0ft	1.04 fc	203.1 ft	197.2 ft	85.0ft	0.66 fc	253.9 ft	246.5 ft	102.0ft	0.46 fc	304.7 ft	295.8 ft	BASE DOWN	BASE UP	HORIZONTAL
17.0ft	16.6 fc		50.8 ft	49.3 ft																									
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HID Lamp Power (watts)	400	APPROVED	APPROVED	APPROVED																									
HID Ballast Power (watts)	60	THERMAL SPECIFICATIONS																											
Total power Savings (watts)	340	Recommended Minimum Fitting Size	OPERATING TEMPERATURE	-40°C to +50°C																									
Annual Energy Savings	£136	Width	305	IN-SITU TEMP MEASUREMENT/L70																									
Lifetime Energy Savings over 50,000 hrs)	£1,326	Height	152	LED TEMPERATURE*	50.4																								
		Volume (Cu. Cm.)	4636	L70 LED LUMEN MAINTAINENCE*	>54,000 hrs																								
				* FROM ISTMT REPORT AT 25°C																									

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