

## LED-8089M 80W Shoebox / Wallpack Retrofit



### Models

LED-8089MXX, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

LED-8089MXXC, 347VAC, cUL, 4000K & 5700K CCT

### Description

Light Efficient Design's Shoebox/ Wallpack 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. All models are tested by UL under 1598C that insures that retrofitted fixture retains safety certification as well as approved by UL for enclosed fixtures.

### Features

- > 80W LED Replaces 250W MH or HPS HID Lamps
- > Rotatable base enables user to accurately direct output to target
- > Designed for Horizontal installations
- > UL approved for damp environments and enclosed fixtures
- > Advanced active cooling: Active cooling and dynamic temperature control
- > 50,000 hour rated LED life (supported by LM80 and ISTMT reports (see website))



Mogul Base Models Only  
(See details below)



### TECHNICAL SPECIFICATIONS - USA 120-277V - ALL MODELS cULus

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8089M30	120-277V	80W	7137	88	250W HID	E39 Mogul	3000K	82.9	13.0%	0.98	15	-0.0014	Directional / TYPE V	No
LED-8089M40			8959	109			4000K	83.7	17.3%	0.913	14	0.0022		
LED-8089M50			9104	110			5000K	83.9	16.4%	0.91	15	0.0025		

### TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS CuI

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8089M40C	120-347V	80W	8959	109	250W HID	E39 Mogul	4000K	83.7	17.3%	0.913	14	0.0022	Directional / TYPE V	No
LED-8089M50C			9104	110			5000K	83.9	16.4%	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-8089M	11.4 X 4.3 in.	2.35 Lbs	5.9 X 5.9 X 13.2 in.	2.83 lbs.	18.5 X 18.5 X 13.8 in.	25.52 Lbs	9

### UPC / UCC

### DESIGN LIGHTS CONSORTIUM QPL CERTIFICATION SUMMARY (E39 MODELS ONLY)

MODEL	PRODUCT UPC	CARTON UCC	QPL CATEGORY 1	PRODUCT CODE	FAMILY CODE	QPL CATEGORY 2	PRODUCT CODE	FAMILY CODE
LED-8089M30	8440060 8285 7	10 8440060 8285 4	N/A	N/A	N/A	N/A	N/A	N/A
LED-8089M40	8440060 8139 3	10 8440060 8139 0	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	N/A	N/A	Replacement Lamps for Outdoor Pole Mounted Area Luminaires (Type B)	P115ZAQH	OOOAME
LED-8089M50	8440060 8140 9	10 8440060 8140 6	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	N/A	N/A	Replacement Lamps for Outdoor Pole Mounted Area Luminaires (Type B)	PBNFB25S	OOOAME
LED-8089M40C	8440060 8161 4	10 8440060 8161 1	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PFEPWVHV	FFFGHW	N/A	N/A	N/A
LED-8089M50C	8440060 8160 7	10 8440060 8160 8	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	P11FKB4R	FFFGHW	N/A	N/A	N/A

### 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> 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
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HID Lamp Power (watts)	250																												
HID Ballast Power (watts)	37.5																												
Total power Savings (watts)	207.5																												
Annual Energy Savings	\$ 117																												
Lifetime Energy Savings over 50,000 hrs	\$ 1,141																												
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