

## LED-8090M 120W Shoebox / Wallpack Retrofit



### Models

LED-8090MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

LED-8090MXXC, 347VAC, cUL, 4000K & 5700K CCT

### Description

Light Efficient Design's Shoebox/ Wallpack 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. 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

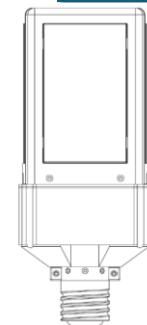
- > 120W LED Replaces 400W MH or HPS HID Lamps
- > Rotatable base enables user to accurately direct output to target
- > Designed for Horizontal installations
- > UL approved for damp environments and enclosed fixtures
- > Advanced active cooling: Active cooling and dynamic temperature control
- > 50,000 hour rated LED life (supported by LM80 and ISTMT reports (see website))
- > 5 Year Limited Warranty - see website for details



Mogul Base Models Only  
(See details below)



Type V



11.260"

4.331"

### 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-8090M30-A	120-277V	120W	10667	87	400W HID	E39 Mogul	3000K	83	13.4%	0.985	15	0.0001	Directional / TYPE V	No
LED-8090M40-A			13312	110			4000K	84.6	17.6%	0.91	18	0.0003		
LED-8090M50-A			13373	112			5000K	83.6	18.3%	0.9	15	0.0031		

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

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8090M40C-A	347V	120W	13312	110	400W HID	E39 Mogul	4000K	84.6	17.6%	0.91	18	0.0003	Directional / TYPE V	No
LED-8090M50C-A			13373	112			5000K	83.6	18.3%	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-8090M	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-8090M30-A	8440060 8286 4	10 8440060 8286 1	N/A	N/A	N/A	N/A	N/A	N/A
LED-8090M40-A	8440060 8137 9	10 8440060 8137 6	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PCA43J3A	LLLAHG	Replacement Lamps for Outdoor Pole Mounted Area Luminaires (Type B)	PCA43J3A	FFFGHU
LED-8090M50-A	8440060 8138 6	10 8440060 8138 3	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	P7HNB2PA	LLLAHG	Replacement Lamps for Outdoor Pole Mounted Area Luminaires (Type B)	P1UQWGFA	FFFGHU
LED-8090M40C-A	8440060 8159 1	10 8440060 8159 8	Replacement Lamps for Outdoor Pole/Arm-mounted Area and Roadway Luminaires (Type B)	PVR398FR	FFFGHV	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PESNU2QP	LLLAHF
LED-8090M50C-A	8440060 8158 4	10 8440060 8158 1	Replacement Lamps for Outdoor Pole/Arm-mounted Area and Roadway Luminaires (Type B)	PNM33GA6	FFFGHV	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PZSHU6G	LLLAHF

### ENERGY SAVING vs. HID

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

### Mounting Orientation

LED Lamp Power (watts)	120	Illuminance at a Distance			BASE DOWN	BASE UP	HORIZONTAL
HID Lamp Power (watts)	400	Center Beam fc					
HID Ballast Power (watts)	60	Beam Width			APPROVED	APPROVED	APPROVED
17.0ft	16.6 fc	50.8 ft	49.3 ft	THERMAL SPECIFICATIONS			
34.0ft	4.15 fc	101.6 ft	98.6 ft	Recommended Minimum Fixture Size	OPERATING TEMPERATURE		
51.0ft	1.85 fc	152.3 ft	147.9 ft		-40°F to +122°F		
68.0ft	1.04 fc	203.1 ft	197.2 ft	Height	IN-SITU TEMP MEASUREMENT/L70		
85.0ft	0.66 fc	253.9 ft	246.5 ft	Width	LED TEMPERATURE*		
102.0ft	0.46 fc	304.7 ft	295.8 ft	Volume (Cu. In.)	L70 LED LUMEN MAINTAINANCE*		
Annual Energy Savings \$	191	■ Vert. Spread: 112.4°			* FROM ISTMT REPORT AT 77°F		
Lifetime Energy Savings over 50,000 hrs \$	1,870	■ Horiz. Spread: 110.8°					