

## LED-8045M 50W Recessed Can Retrofit



### Models

LED-8045MXX, 120-277VAC, cULus, 2700K, 4200K & 5000K CCT

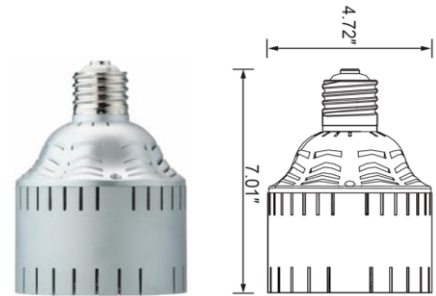
LED-8045MXXC, 120-347VAC, cUL, 2700K, 4200K or 5000K CCT

### Description

Light Efficient Design's Recessed Can 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. 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

- 50W LED Replaces 175W MH or HPS HID Lamps
- Up to 4,886 lumen output and 92 LPW efficacy
- Available in E39 Mogul screw base
- UL approved for damp environments and enclosed fixtures
- 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 - USA 120-277V - ALL MODELS cULus

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8045M27	120-277V	50W	3506	73	175W HID	E39 Mogul	2700K	81	.163	.932	11	-.0002	Directional / 45°	No
LED-8045M42			4341	86			4200K	80.1	16.69	.9433	7	-.0011		
LED-8045M50			4886	92			5000K	82.2	17.02	.9477	14	.0008		

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

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8045M27C	120-347V	50W	3506	73	175W HID	E39 Mogul	2700K	81	.163	.932	11	-.0002	Directional / 45°	No
LED-8045M42C			4341	86			4200K	80.1	16.69	.9433	7	-.0011		
LED-8045M50C			4886	92			5000K	82.2	17.02	.9477	14	.0008		

### PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8045E27	7.1 x 4.7 in.	1.78 Lbs	6.1 X 6.1 x 8.5 in.	2.134 lbs.	12.8 X 12.8 X 9.1 in.	9.636 Lbs	4

### 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-8045M27	8440060 8009 9	10 8440060 8009 6	N/A	N/A	N/A	N/A	N/A	N/A
LED-8045M42	8440060 8046 4	10 8440060 8046 1	N/A	N/A	N/A	N/A	N/A	N/A
LED-8045M50	8440060 8045 7	10 8440060 8045 4	N/A	N/A	N/A	N/A	N/A	N/A
LED-8045M27C	8440060 8107 2	10 8440060 8107 9	N/A	N/A	N/A	N/A	N/A	N/A
LED-8045M42C	8440060 8108 9	10 8440060 8108 6	N/A	N/A	N/A	N/A	N/A	N/A
LED-8045M50C	8440060 8109 6	10 8440060 8109 3	N/A	N/A	N/A	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)	50	Zone				Lumens		BASE DOWN	BASE UP	HORIZONTAL
		Zone	Lumens	%Lamp	%Fixt	Zone	Lumens			
HID Lamp Power (watts)	175	0-30	2694.56	57.7	57.7	0-10	421.08			
		0-40	3831.66	82.1	82.1	10-20	1033.28			
HID Ballast Power (watts)	26.25	0-60	4552.85	97.5	97.5	20-30	1240.2	APPROVED	APPROVED	APPROVED
		0-90	4653.19	99.7	99.7	30-40	1137.1			
Total power Savings (watts)	151.25	90-120	.84	0	0	40-50	613.02	Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS	
		90-130	1.36	0	0	50-60	108.17			
Annual Energy Savings	\$ 85	90-150	4.48	.1	.1	60-70	60.62	Width	IN-SITU TEMP MEASUREMENT/L70	
		90-180	15.08	.3	.3	70-80	32.44			
Lifetime Energy Savings over 50,000 hrs)	\$ 832	0-180	4668.27	100	100	80-90	8.37	Height	LED TEMPERATURE*	
						90-100	.4			
						100-110	.21	Volume (Cu. In.)	L70 LED LUMEN MAINTAINANCE*	
						110-120	.23			
						120-130	.51	63	* FROM ISTMT REPORT AT 77°F	
						130-140	.91			
						140-150	2.21			
						150-160	3.98			
						160-170	4.72			
						170-180	1.9			