



## LED-8085M 60W External Driver Post Top Retrofit

### Models

LED-8085MXX, 120-277VAC, cULus, 3000K, 4200K & 5700K CCT, E39

### Description

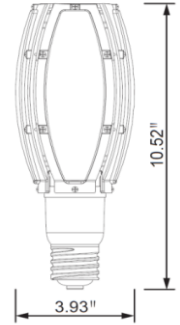
Light Efficient Design's External Driver Post Top/Bollard retrofits replace HID lamps up to 250W HID. Products come with an external driver and are passively cooled. All models are tested by UL under 1598C that insures that retrofitted fixture retains safety certification as well as approved by UL for enclosed fixtures.

### Features

- > 60W LED Replaces 250W MH or HPS HID Lamps
- > Meanwell PWM & 0-10V Dimmable driver
- > Driver can be mounted up to 20 meters from lamps with negligible reduction in light output.
- > UL approved for wet environments
- > 50,000 hour rated LED life (supported by LM80 and ISTMT reports (see website))
- > 5 Year Limited Warranty - see website for details
- > UL1598C retains fixture UL Listing
- > Rated for enclosed fixture

### HID-X

- EXTERNAL DRIVER LED
- IP65 RATING
- 0-10V / PWM DIMMING



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-8085M30	120-277V	45W	5326	94	175W HID/ 500W Halogen	E39 Mogul	3000K	84	0.153	0.91	18	-0.0011	Omni-directional / 360°	Yes
LED-8085M42			5807	102			4200K	96.2	0.1524	0.911	29	-0.001		
LED-8085M57			6130	107			5700K	84.7	0.1509	0.911	14	0.0019		

### PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8085M	10.6 X 4.25 in.	2.34 lbs.	7.5 X 5.4 X 12 in.	3.99 lbs.	15.7 X 11.6 X 12.6 in.	25.5 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-8085M30	8440060 8131 7	10 8440060 8131 4	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type C)	PRU7DTWZ	UUUAMI	0	0	0
LED-8085M42	8440060 8132 4	10 8440060 8132 1	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type C)	P5BSN779	UUUAMI	0	0	0
LED-8085M57	8440060 8133 1	10 8440060 8133 8	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type C)	PFT18D39	UUUAMI	0	0	0

### ENERGY SAVING vs. HID

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

### Mounting Orientation

LED Lamp Power (watts)	60	Zone				Zone				BASE DOWN	BASE UP	HORIZONTAL	
		Lumens	%Lamp	%Fixt	Zone	Lumens	%Lamp	%Fixt	Zone	Lumens	APPROVED	APPROVED	APPROVED
HID Lamp Power (watts)	250	0-30	149.57	2.4	2.4	0-10	6.3						
		0-40	364.73	5.9	5.9	10-20	36.77						
HID Ballast Power (watts)	37.5	0-60	1174.59	19	19	20-30	106.51						
		0-90	3124.21	50.6	50.6	30-40	215.15						
Total power Savings (watts)	227.5	90-120	1927.39	31.2	31.2	40-50	340.86						
		90-130	2383.63	38.6	38.6	50-60	469						
Annual Energy Savings	\$ 128	90-150	2915.96	47.2	47.2	60-70	581.15						
		90-180	3052.16	49.4	49.4	70-80	663.25						
Lifetime Energy Savings over 50,000 hrs)	\$ 1,251	0-180	6176.37	100	100	80-90	705.21						
						90-100	702.41						
					100-110	655.65							
					110-120	569.33							
					120-130	456.24							
					130-140	328.41							
					140-150	203.91							
					150-160	100.52							
					160-170	32.72							
					170-180	2.97							

Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS	
	OPERATING TEMPERATURE	-40°F to +122°F
Width	6.9	
Height	12.5	
Volume (Cu. In.)	595.125	
	IN-SITU TEMP MEASUREMENT/L70	
	LED TEMPERATURE*	62.3
	L70 LED LUMEN MAINTAINANCE*	>36,000
	* FROM ISTMT REPORT AT 77°F	