

LED-8144/45/46M 30W/45W/65W Post Top Retrofit



**Models**  
 LED-8144MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5000K CCT  
 LED-8145MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5000K CCT  
 LED-8146MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5000K CCT  
 LED-8144MXXC-A, 120-277VAC, cULus, 3000K, 4000K & 5000K CCT  
 LED-8145MXXC-A, 120-277VAC, cULus, 3000K, 4000K & 5000K CCT  
 LED-8146MXXC-A, 120-277VAC, cULus, 3000K, 4000K & 5000K CCT



Mogul Base Models Only  
(See details below)



**Description**

Light Efficient Design's Post Top/Bollard 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**

- Up to 65W LED Replaces up to 320W MH or HPS HID Lamps
- Up to 9425 lumen output and 145 LPW efficacy
- Available in EX39 Mogul screw base
- UL approved for damp environments and enclosed fixtures
- Advanced active cooling: Active cooling and dynamic temperature control
- Integrated 10KA 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-8144M30-A	120-277V	30W	4050	135	175W HID	EX39	3000K	>80	<20%	>0.9	N/A	N/A	Omni-Directional / 360°	No	
LED-8144M40-A			4350	145			4000K	>80	<20%	>0.9	N/A	N/A			
LED-8144M57-A			4350	145			5000K	>80	<20%	>0.9	N/A	N/A			
LED-8145M30-A		45W	6075	135	250W HID		3000K	>80	<20%	>0.9	N/A	N/A		Omni-Directional / 360°	No
LED-8145M40-A			6525	145			4000K	>80	<20%	>0.9	N/A	N/A			
LED-8145M57-A			6525	145			5000K	>80	<20%	>0.9	N/A	N/A			
LED-8146M30-A		65W	8775	135	320W HID		3000K	>80	<20%	>0.9	N/A	N/A		Omni-Directional / 360°	No
LED-8146M40-A			9425	145			4000K	>80	<20%	>0.9	N/A	N/A			
LED-8146M57-A			9425	145			5000K	>80	<20%	>0.9	N/A	N/A			

**TECHNICAL SPECIFICATIONS - Canada 347V - ALL MODELS cULus**

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE	
LED-8144M30C-A	347V	30W	4050	135	175W HID	EX39	3000K	>80	<20%	>0.9	N/A	N/A	Omni-Directional / 360°	No	
LED-8144M40C-A			4350	145			4000K	>80	<20%	>0.9	N/A	N/A			
LED-8144M57C-A			4350	145			5000K	>80	<20%	>0.9	N/A	N/A			
LED-8145M30C-A		45W	6075	135	250W HID		3000K	>80	<20%	>0.9	N/A	N/A		Omni-Directional / 360°	No
LED-8145M40C-A			6525	145			4000K	>80	<20%	>0.9	N/A	N/A			
LED-8145M57C-A			6525	145			5000K	>80	<20%	>0.9	N/A	N/A			
LED-8146M30C-A		65W	8775	135	320W HID		3000K	>80	<20%	>0.9	N/A	N/A		Omni-Directional / 360°	No
LED-8146M40C-A			9425	145			4000K	>80	<20%	>0.9	N/A	N/A			
LED-8146M57C-A			9425	145			5000K	>80	<20%	>0.9	N/A	N/A			

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8144M	11.4 X 6.8 in.	1.8 lbs.	7.3 X 7.3 X 13.1 in.	1.8 lbs.	15.2 X 15.2 X 13.7 in.	8.6 lbs.	4
LED-8145M	11.4 X 6.8 in.	1.8 lbs.	7.3 X 7.3 X 13.1 in.	1.8 lbs.	15.2 X 15.2 X 13.7 in.	8.6 lbs.	4
LED-8146M	11.4 X 6.8 in.	1.8 lbs.	7.3 X 7.3 X 13.1 in.	1.8 lbs.	15.2 X 15.2 X 13.7 in.	8.6 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-8144M30-A	844006083182	10844006083189	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8144M40-A	844006083199	10844006083196	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8144M57-A	844006083205	10844006083202	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8145M30-A	844006083021	10844006083028	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8145M40-A	844006083038	10844006083035	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8145M57-A	844006083045	10844006083042	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8146M30-A	844006083083	10844006083080	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8146M40-A	844006083090	10844006083097	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#N/A	#N/A	#N/A
LED-8146M57-A	844006083106	10844006083103	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	TBD	TBD	#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)	65	<p>Helps Direct Light Down for better illuminance footprint</p>		BASE DOWN	BASE UP	HORIZONTAL	
HID Lamp Power (watts)	320						
HID Ballast Power (watts)	64			APPROVED	APPROVED	APPROVED	
Total power Savings (watts)	319			Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS		
Annual Energy Savings	\$ 179			Width	OPERATING TEMPERATURE	#N/A	
Lifetime Energy Savings over 50,000 hrs	\$ 1,755			Height	IN-SITU TEMP MEASUREMENT/L70		
		Volume (Cu. In.)	LED TEMPERATURE*	68			
			L70 LED LUMEN MAINTAINANCE*	>60,000			
			* FROM ISTMT REPORT AT 77°F				