

**LED-8144M 100W Post Top Retrofit**



**Models**  
 LED-8144MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT  
 LED-8145MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT  
 LED-8146MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT  
 LED-8144MXXC-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT  
 LED-8145MXXC-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT  
 LED-8146MXXC-A, 120-277VAC, cULus, 3000K, 4000K & 5700K 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 250W MH or HPS HID Lamps  
 Up to 9425 lumen output and 145 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 6A 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	N/A	N/A	N/A	N/A	Omni-Directional / 360°	No			
LED-8144M40-A			4350	145			4000K	>80	N/A	N/A	N/A	N/A					
LED-8144M57-A			4350	145			5700K	>80	N/A	N/A	N/A	N/A					
LED-8145M30-A		45W	250W HID	6075	135			3000K	>80	N/A	N/A	N/A		N/A		No	
LED-8145M40-A				6525	145			4000K	>80	N/A	N/A	N/A		N/A			
LED-8145M57-A				6525	145			5700K	>80	N/A	N/A	N/A		N/A			
LED-8146M30-A				65W	8775			135	3000K	>80	N/A	N/A		N/A			N/A
LED-8146M40-A					9425			145	4000K	>80	N/A	N/A		N/A			N/A
LED-8146M57-A					9425			145	5700K	>80	N/A	N/A		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	N/A	N/A	N/A	N/A	Omni-Directional / 360°	No			
LED-8144M40C-A			4350	145			4000K	>80	N/A	N/A	N/A	N/A					
LED-8144M57C-A			4350	145			5700K	>80	N/A	N/A	N/A	N/A					
LED-8145M30C-A		45W	250W HID	6075	135			3000K	>80	N/A	N/A	N/A		N/A		No	
LED-8145M40C-A				6525	145			4000K	>80	N/A	N/A	N/A		N/A			
LED-8145M57C-A				6525	145			5700K	>80	N/A	N/A	N/A		N/A			
LED-8146M30C-A				65W	8775			135	3000K	>80	N/A	N/A		N/A			N/A
LED-8146M40C-A					9425			145	4000K	>80	N/A	N/A		N/A			N/A
LED-8146M57C-A					9425			145	5700K	>80	N/A	N/A		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	#N/A	#N/A	0	#N/A	#N/A	#REF!	#REF!
LED-8145M	#N/A	#N/A	0	#N/A	#N/A	#REF!	#REF!
LED-8146M	#N/A	#N/A	0	0	0	0	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	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8144M40-A	844006083199	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8144M57-A	844006083205	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8145M30-A	844006083021	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8145M40-A	844006083038	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8145M57-A	844006083045	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8146M30-A	#REF!	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8146M40-A	#REF!	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
LED-8146M57-A	#REF!	#N/A	#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)	100				BASE DOWN	BASE UP	HORIZONTAL
HID Lamp Power (watts)	400						
HID Ballast Power (watts)	60				APPROVED	APPROVED	APPROVED
Total power Savings (watts)	360				Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS	
Annual Energy Savings	\$ 202				Width	IN-SITU TEMP MEASUREMENT/L70	
Lifetime Energy Savings over 50,000 hrs	\$ 1,980				Height	LED TEMPERATURE*	68
		Volume (Cu. In.)	L70 LED LUMEN MAINTAINANCE*	>60,000			
			* FROM ISTMT REPORT AT 77°F				