

LED-8056M 45W Post Top Retrofit



Models
 LED-8056MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5000K CCT
 LED-8056MXXC-A, 347VAC, cUL, 3000K, 4000K or 5000K CCT

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
 45W LED Replaces 250W MH or HPS HID Lamps
 Up to 6,300 lumen output and 140 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 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



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-8056M30-A	120-277V	45W	5526	135	250W HID	EX39	3000K	>80	<20%	>.90	0	0	120°	No
LED-8056M40-A			5334	135			4000K	>80	<20%	>.90	0	0		
LED-8056M50-A			5560	135			5000K	>80	<20%	>.90	0	0		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS CUL

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8056M30C-A	347V	45W	5526	135	250W HID	EX39	3000K	>80	<20%	>.90	0	0	120°	No
LED-8056M40C-A			5334	135			4000K	>80	<20%	>.90	0	0		
LED-8056M50C-A			5560	135			5000K	>80	<20%	>.90	0	0		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8056M	7.3 X 5.7 in.	TBD	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-8056M30-A	844006083144	10844006083141	N/A	N/A	N/A	0	0	0
LED-8056M40-A	844006082871	10844006082878	N/A	N/A	N/A	0	0	0
LED-8056M50-A	844006082888	10844006082885	N/A	N/A	N/A	0	0	0
LED-8056M30C-A	844006083151	10844006083158	N/A	N/A	N/A	0	0	0
LED-8056M40C-A	844006082918	10844006082915	N/A	N/A	N/A	0	0	0
LED-8056M50C-A	844006082925	10844006082922	N/A	N/A	N/A	0	0	0

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	45	Zonal Lumen Summary						Lumens Per Zone						Mounting Orientation		
		Zone	Lumens	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total	Zone	Lumens	% Total	BASE DOWN	BASE UP	HORIZONTAL
HID Lamp Power (watts)	250	0-30	726.4	6.9%	0-10	61.2	0.6%	90-100	418.4	4%						
HID Ballast Power (watts)	37.5	0-40	1,589.7	15.1%	10-20	207.5	2.0%	100-110	240.4	2.3%						
Total power Savings (watts)	242.5	0-60	4,786.8	45.3%	20-30	457.7	4.3%	110-120	169.8	1.6%						
Annual Energy Savings	\$ 136	60-90	4,697.7	44.5%	30-40	863.3	8.2%	120-130	104.5	1%						
Lifetime Energy Savings over 50,000 hrs	\$ 1,334	70-100	3,199.0	30.3%	40-50	1,380.3	13.1%	130-140	74.7	0.7%						
		90-120	828.5	7.8%	50-60	1,816.8	17.2%	140-150	43.7	0.4%						
		0-90	9,484.5	89.8%	60-70	1,917.1	18.2%	150-160	18.5	0.2%						
		90-180	1,076.6	10.2%	70-80	1,661.5	15.7%	160-170	5.5	0.1%						
		0-180	10,561.1	100%	80-90	1,119.1	10.6%	170-180	1.2	0%						

Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS	
	OPERATING TEMPERATURE	-40°F to +122°F
Width	7.5	IN-SITU TEMP MEASUREMENT/L70
Height	8.5	
Volume (Cu. In.)	478.125	LED TEMPERATURE*
		L70 LED LUMEN MAINTAINENCE*
		>60,000
		* FROM ISTMT REPORT AT 77°F