

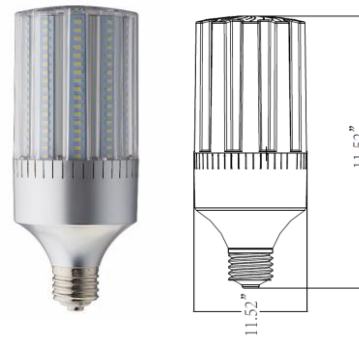
LED-8046M 65W Post Top Retrofit



Models
 LED-8046MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT
 LED-8046MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

Description
 Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to W 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
 65W LED Replaces 320W MH or HPS HID Lamps
 Up to 9,619 lumen output and 147 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-8046M30-A	120-277V	65W	8450	127	Up to 320W HID	E39 Mogul	3000K	84.7	13.04	0.9862	20	-0.0043	Omni-directional / 360°	No
LED-8046M40-A			9587	143			4000K	84.1	14.84	0.9823	12	-0.0026		
LED-8046M57-A			9499	141			5700K	85.1	16.56	0.9872	16	-0.0011		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS CuI

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8046M30C-A	347V	65W	8471	130	Up to 320W HID	E39 Mogul	3000K	84.1	16.54	0.9607	17	-0.0036	Omni-directional / 360°	No
LED-8046M40C-A			9619	147			4000K	85.1	19.3	0.9624	16	-0.0007		
LED-8046M57C-A			9440	145			5700K	85.6	19.54	0.9625	18	0.0007		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8046M	11.1 X 4.1 in.	1.8 Lbs	5.6 X 5.6 X 13.2 in.	2.23 lbs.	17.7 X 11.8 X 13.8 in.	14.8 Lbs	6

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-8024M30-A	8440060 8054 9	10 8440060 8054 6	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	N/A	N/A	N/A
LED-8024M40-A	8440060 8016 7	10 8440060 8016 4	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	N/A	N/A	N/A
LED-8024M57-A	8440060 8053 2	10 8440060 8053 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	N/A	N/A	N/A
LED-8024M30C-A	8440060 8080 8	10 8440060 8080 5	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	N/A	N/A	N/A
LED-8024M40C-A	8440060 8081 5	10 8440060 8081 2	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	N/A	N/A	N/A
LED-8024M57C-A	8440060 8082 2	10 8440060 8082 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	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	Zonal Lumen Summary						Lumens Per Zone						BASE DOWN	BASE UP	HORIZONTAL
HID Lamp Power (watts)	320	Zone	Lumens	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total	Zone	Lumens	% Total			
HID Ballast Power (watts)	48	0-30	444.0	4.7%	0-10	34.9	0.4%	90-100	995.4	10.5%	10-20	129.9	1.4%	100-110	916.5	9.6%
Total power Savings (watts)	303	0-40	909.7	9.6%	20-30	279.2	2.9%	110-120	782.2	8.2%	30-40	465.7	4.9%	120-130	618.0	6.5%
Annual Energy Savings	\$ 170	60-90	2,394.3	25.2%	40-50	658.3	6.9%	130-140	435.4	4.6%	50-60	826.2	8.7%	140-150	255.7	2.7%
Lifetime Energy Savings over 50,000 hrs	\$ 1,667	70-100	3,020.0	31.8%	60-70	941.6	9.9%	150-160	110.1	1.2%	70-80	4,138.9	43.6%	160-170	24.2	0.3%
		90-120	2,694.0	28.4%	80-90	1,020.6	10.7%	170-180	1.3	0%	80-90	9,499.4	100%			

Mounting Orientation		
BASE DOWN	BASE UP	HORIZONTAL
APPROVED	APPROVED	APPROVED
Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS	
	OPERATING TEMPERATURE	-40°F to +122°F
Width	11.9	IN-SITU TEMP MEASUREMENT/L70
Height	7.4	LED TEMPERATURE*
Volume (Cu. In.)	88.06	L70 LED LUMEN MAINTAINANCE*
		* FROM ISTMT REPORT AT 77°F