

LED-8024E/M 45W Post Top Retrofit

Models

LED-8024E/MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT
LED-8024E/MXX-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

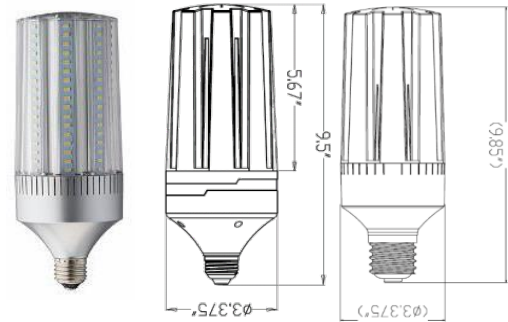
Mogul Base Models Only
 (See details below)


Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 250W 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 6,900 lumen output and 150 LPW efficacy
- Available in either E26 Edison or 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-8024E30-A	120-277V	45W	6062	130	Up to 250W HID	E26 Edison	3000K	85.4	19.79	0.9364	21	-0.0024	Omni-directional / 360°	No
LED-8024E40-A			6924	145			4000K	85.1	10.06	0.963	21	-0.0015		
LED-8024E57-A			6619	144			5700K	84	10.49	0.9898	19	0.0016		
LED-8024M30-A			5893	132		E39 Mogul	3000K	84.1	13.1	0.9903	16	-0.003		
LED-8024M40-A			6930	145			4000K	84.7	9.02	0.9684	14	0.0002		
LED-8024M57-A			6632	143			5700K	84.5	11.97	0.9598	15	-0.0014		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS cUL

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8024E30C-A	347V	45W	5879	132	Up to 250W HID	E26 Edison	3000K	85.5	19.6	0.9473	22	-0.0031	Omni-directional / 360°	No
LED-8024E40C-A			6600	149			4000K	84.6	12.88	0.9553	14	-0.0008		
LED-8024E57C-A			6646	146			5700K	85.2	16.05	0.9524	17	-0.0005		
LED-8024M30C-A			5856	134		E39 Mogul	3000K	86.4	12.94	0.9474	25	-0.002		
LED-8024M40C-A			6740	149			4000K	84.4	19.2	0.9512	13	0.0004		
LED-8024M57C-A			6818	147			5700K	85	18.52	0.954	19	-0.0047		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8024E	9.6" X 3.3"	1.23 Lbs	4.9 X 4.9 X 11.5 in.	1.45 lbs.	15.6 X 15.6 X 12 in.	13.7 Lbs	9
LED-8024M	9.75" X 3.3"	1.23 Lbs	4.9 X 4.9 X 11.5 in.	1.45 lbs.	15.6 X 15.6 X 12 in.	13.9 Lbs	9

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-8024E30-A	8440060 8034 1	10 8440060 8034 8	N/A	N/A	N/A	0	0	0
LED-8024E40-A	8440060 8067 9	10 8440060 8067 6	N/A	N/A	N/A	0	0	0
LED-8024E57-A	8440060 8024 2	10 8440060 8024 9	N/A	N/A	N/A	0	0	0
LED-8024M30-A	8440060 8054 9	10 8440060 8054 6	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024M40-A	8440060 8016 7	10 8440060 8016 4	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024M57-A	8440060 8053 2	10 8440060 8053 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024E30C-A	8440060 8077 8	10 8440060 8077 5	N/A	N/A	N/A	0	0	0
LED-8024E40C-A	8440060 8078 5	10 8440060 8078 2	N/A	N/A	N/A	0	0	0
LED-8024E57C-A	8440060 8079 2	10 8440060 8079 9	N/A	N/A	N/A	0	0	0
LED-8024M30C-A	8440060 8080 8	10 8440060 8080 5	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	0	0	0
LED-8024M40C-A	8440060 8081 5	10 8440060 8081 2	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	0	0	0
LED-8024M57C-A	8440060 8082 2	10 8440060 8082 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	0	0	0

ENERGY SAVING vs. HID
ZONAL LUMENS/ LUX DISTANCE DATA (see LM79 for more information)

LED Lamp Power (watts)	45	Zonal Lumen Summary		Lumens Per Zone						Mounting Orientation		
										BASE DOWN	BASE UP	HORIZONTAL
HID Lamp Power (watts)	250	Zone	Lumens % Luminaire	Zone	Lumens % Total	Zone	Lumens % Total	Zone	Lumens % Total			
HID Ballast Power (watts)	37.5	0-30	287.9 4.2%	0-10	21.3 0.3%	90-100	746.4 10.8%	10-20	82.2 1.2%	100-110	694.7 10%	
Total power Savings (watts)	242.5	0-40	601.2 8.7%	10-20	184.3 2.7%	110-120	600.9 8.7%	30-40	313.3 4.5%	120-130	472.3 6.8%	
Annual Energy Savings	\$ 136	0-60	1,619.1 23.4%	40-50	447.0 6.5%	130-140	334.2 4.8%	50-60	570.9 8.3%	140-150	196.5 2.8%	
Lifetime Energy Savings over 50,000 hrs)	\$ 1,334	60-90	2,148.9 31.1%	60-70	667.0 9.6%	150-160	82.0 1.2%	70-80	727.9 10.5%	160-170	17.9 0.3%	
		90-100	2,228.3 32.2%	80-90	754.1 10.9%	170-180	1.0 0%					
		90-120	2,042.0 29.5%									
		0-90	3,768.0 54.5%									
		90-180	3,145.8 45.5%									
		0-180	6,913.9 100%									

Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS	
	OPERATING TEMPERATURE	-40°F to +122°F
Width	7.4	IN-SITU TEMP MEASUREMENT/L70
Height	11.9	LED TEMPERATURE*
Volume (Cu. In.)	651.644	L70 LED LUMEN MAINTAINANCE*
		>60,000
		* FROM ISTMT REPORT AT 77°F

LED-8024E/M 45W Post Top Retrofit

Models

LED-8024E/MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT
LED-8024E/MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

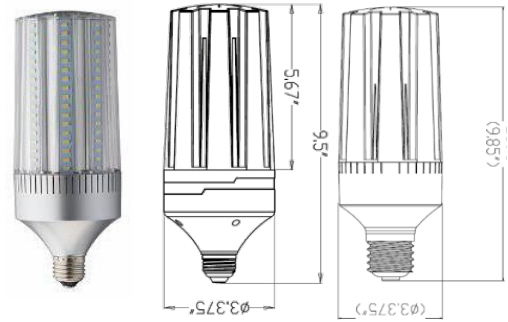
Mogul Base Models Only
 (See details below)


Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 250W 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 6,900 lumen output and 150 LPW efficacy
- Available in either E26 Edison or 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-8024E30-A	120-277V	45W	6062	130	Up to 250W HID	E26 Edison	3000K	85.4	19.79	0.9364	21	-0.0024	Omni-directional / 360°	No
LED-8024E40-A			6924	145			4000K	85.1	10.06	0.963	21	-0.0015		
LED-8024E57-A			6619	144			5700K	84	10.49	0.9898	19	0.0016		
LED-8024M30-A			5893	132		E39 Mogul	3000K	84.1	13.1	0.9903	16	-0.003		
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TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS cUL

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8024E30C-A	347V	45W	5879	132	Up to 250W HID	E26 Edison	3000K	85.5	19.6	0.9473	22	-0.0031	Omni-directional / 360°	No
LED-8024E40C-A			6600	149			4000K	84.6	12.88	0.9553	14	-0.0008		
LED-8024E57C-A			6646	146			5700K	85.2	16.05	0.9524	17	-0.0005		
LED-8024M30C-A			5856	134		E39 Mogul	3000K	86.4	12.94	0.9474	25	-0.002		
LED-8024M40C-A			6740	149			4000K	84.4	19.2	0.9512	13	0.0004		
LED-8024M57C-A			6818	147			5700K	85	18.52	0.954	19	-0.0047		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8024E	9.6" X 3.3"	1.23 Lbs	4.9 X 4.9 X 11.5 in.	1.45 lbs.	15.6 X 15.6 X 12 in.	13.7 Lbs	9
LED-8024M	9.75" X 3.3"	1.23 Lbs	4.9 X 4.9 X 11.5 in.	1.45 lbs.	15.6 X 15.6 X 12 in.	13.9 Lbs	9

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-8024E30-A	8440060 8034 1	10 8440060 8034 8	N/A	N/A	N/A	0	0	0
LED-8024E40-A	8440060 8067 9	10 8440060 8067 6	N/A	N/A	N/A	0	0	0
LED-8024E57-A	8440060 8024 2	10 8440060 8024 9	N/A	N/A	N/A	0	0	0
LED-8024M30-A	8440060 8054 9	10 8440060 8054 6	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024M40-A	8440060 8016 7	10 8440060 8016 4	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024M57-A	8440060 8053 2	10 8440060 8053 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024E30C-A	8440060 8077 8	10 8440060 8077 5	N/A	N/A	N/A	0	0	0
LED-8024E40C-A	8440060 8078 5	10 8440060 8078 2	N/A	N/A	N/A	0	0	0
LED-8024E57C-A	8440060 8079 2	10 8440060 8079 9	N/A	N/A	N/A	0	0	0
LED-8024M30C-A	8440060 8080 8	10 8440060 8080 5	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	0	0	0
LED-8024M40C-A	8440060 8081 5	10 8440060 8081 2	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	0	0	0
LED-8024M57C-A	8440060 8082 2	10 8440060 8082 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC	PPPRIO	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						BASE DOWN			BASE UP		HORIZONTAL	
														
HID Lamp Power (watts)	250							APPROVED			APPROVED		APPROVED	
HID Ballast Power (watts)	37.5							Recommended Minimum Fixture Size			THERMAL SPECIFICATIONS			
Total power Savings (watts)	242.5										OPERATING TEMPERATURE		-40°F to +122°F	
Annual Energy Savings	\$ 136							Width			IN-SITU TEMP MEASUREMENT/L70			
Lifetime Energy Savings over 50,000 hrs	\$ 1,334							Height			LED TEMPERATURE*		64.2	
								Volume (Cu. In.)			L70 LED LUMEN MAINTAINANCE*		>60,000	
													* FROM ISTMT REPORT AT 77°F	

LED-8027M 100W Post Top Retrofit



Models

LED-8027MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

LED-8027MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K 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

100W LED Replaces 400W MH or HPS HID Lamps

Up to 14,000 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

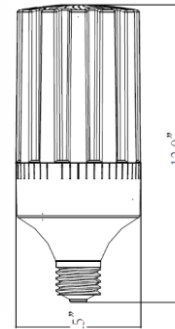
50,000 hour rated LED life (supported by LM80 and ISTMT reports (see website))

5 Year Limited Warranty - see website for details

Insect/dust resistant housing



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-8027M30-A	120-277V	100W	12486	132	Up to 400W HID	E39 Mogul	3000K	85.5	8.06	0.9979	21	-0.0028	Omni-directional / 360°	No
LED-8027M40-A			14666	147			4000K	85.6	14.76	0.9976	23	-0.0002		
LED-8027M57-A			14613	146			5700K	83.4	14.48	0.9978	13	0.0038		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS CuI

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8027M30C-A	347V	100W	13304	131	Up to 400W HID	E39 Mogul	3000K	85.4	19.5	0.9552	21	-0.0029	Omni-directional / 360°	No
LED-8027M40C-A			14736	145			4000K	84.5	19	0.9296	14	0.0005		
LED-8027M57C-A			14349	149			5700K	84.4	17.71	0.9743	20	0		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8027M	11.8 X 4.5 in.	2.86 Lbs	6.1 X 6.1 X 14 in.	2.9 lbs.	12.9 X 12.9 X 14.8 in.	17.006 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-8027M30-A	8440060 8037 2	10 8440060 8037 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P8QB9VUU	SSSCLB	0	0	0
LED-8027M40-A	8440060 8017 4	10 8440060 8017 1	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P5WZ6R6Q	SSSCLB	0	0	0
LED-8027M57-A	8440060 8027 3	10 8440060 8027 0	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PJ54UQWU	SSSCLB	0	0	0
LED-8027M30C-A	8440060 8089 1	10 8440060 8089 8	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P3GHHQPW	SSSCMJ	0	0	0
LED-8027M40C-A	8440060 8090 7	10 8440060 8090 4	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PQ9AJ247	SSSCMJ	0	0	0
LED-8027M57C-A	8440060 8091 4	10 8440060 8091 1	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PC37DVU6	SSSCMJ	0	0	0

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	100	Zonal Lumen Summary			Lumens Per Zone						BASE DOWN	BASE UP	HORIZONTAL		
HID Lamp Power (watts)	400	Zone	Lumens	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total					
HID Ballast Power (watts)	60	0-30	726.4	6.9%	0-10	61.2	0.6%	90-100	418.4	4%	APPROVED			APPROVED	
Total power Savings (watts)	360	0-40	1,589.7	15.1%	10-20	207.5	2.0%	100-110	240.4	2.3%	APPROVED			APPROVED	
Annual Energy Savings	\$ 202	0-60	4,786.8	45.3%	20-30	457.7	4.3%	110-120	169.8	1.6%	APPROVED			APPROVED	
Lifetime Energy Savings over 50,000 hrs	\$ 1,980	60-90	4,697.7	44.5%	30-40	863.3	8.2%	120-130	104.5	1%	APPROVED			APPROVED	
		70-100	3,199.0	30.3%	40-50	1,380.3	13.1%	130-140	74.7	0.7%	APPROVED			APPROVED	
		90-120	828.5	7.8%	50-60	1,816.8	17.2%	140-150	43.7	0.4%	APPROVED			APPROVED	
		0-90	9,484.5	89.8%	60-70	1,917.1	18.2%	150-160	18.5	0.2%	APPROVED			APPROVED	
		90-180	1,076.6	10.2%	70-80	1,661.5	15.7%	160-170	5.5	0.1%	APPROVED			APPROVED	
		0-180	10,561.1	100%	80-90	1,119.1	10.6%	170-180	1.2	0%	APPROVED			APPROVED	

LED-8029E/M 24W Bollard / Post Top Retrofit



Models

LED-8029E/MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

LED-8029E/MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

Description

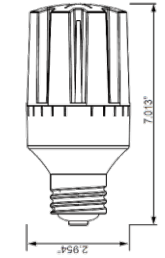
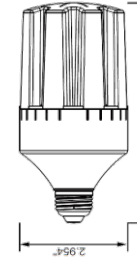
Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 150W HID. Advanced Active Cooling technology improves thermal performance and delivers the highest light output along with longer LED and driver life versus lamps limited to passive cooling. All models are tested by UL under 1598C that insures that retrofitted fixture retains safety certification as well as approved by UL for enclosed fixtures. This product is intended for by-passing the ballast and using direct line voltage.

Features

- 24W LED Replaces 150W MH or HPS HID Lamps
- Up to 3,500 lumen output and 147 LPW efficacy
- Available in either E26 Edison or 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 v. 1.0.0.0))
- 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-8029E30-A	120-277V	24W	3024	138	150W HID	E26	3000K	82.6	10	0.9927	3	-0.0001	360°	No
LED-8029E40-A			3422	142			4000K	82	10.61	0.9838	6	0.0004		
LED-8029E57-A			3425	143			5700K	81.9	10.12	0.9815	4	0.0053		
LED-8029M30-A			3431	147		E39	3000K	81.9	0.1	0.9884	4	-0.0001		
LED-8029M40-A			3374	141			4000K	81.9	0.1061	0.9847	6	0.0008		
LED-8029M57-A			3374	139			5700K	82	0.1012	0.991	9	0.0023		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS cUL

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8029E30C-A	347V	24W	3099	139	150W HID	E26	3000K	81.4	16	0.9423	3	0.0002	360°	No
LED-8029E40C-A			3568	144			4000K	82.1	16.29	0.9406	7	0.0003		
LED-8029E57C-A			3426	145			5700K	82	0.1653	0.9273	6	0.0038		
LED-8029M30C-A			3129	139			3000K	81.4	0.16	0.9243	3	0.0002		
LED-8029M40C-A			3405	147			4000K	82.2	0.1629	0.9462	6	0.001		
LED-8029M57C-A			3165	138			5700K	82.2	0.1653	0.9412	10	0.0017		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8029E	6.75 X 2.9 in.	0.72 Lbs	4.7 X 4.7 X 8.9 in.	1.21 lbs.	14.8 X 14.8 X 9.4 in.	11.99 Lbs	9
LED-8029M	7.01 X 2.9 in.	0.76 Lbs	4.7 X 4.7 X 8.9 in.	1.21 lbs.	14.8 X 14.8 X 9.4 in.	11.99 Lbs	9

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-8029E30-A	844006080396	10844006080393	N/A	N/A	N/A	0	0	0
LED-8029E40-A	844006080631	10844006080638	N/A	N/A	N/A	0	0	0
LED-8029E57-A	844006080297	10844006080294	N/A	N/A	N/A	0	0	0
LED-8029M30-A	844006081546	10844006081543	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PAKDVMFU	RRRSWC	0	0	0
LED-8029M40-A	844006081553	10844006081550	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PAKDVMFU	RRRSWC	0	0	0
LED-8029M57-A	844006081560	10844006081567	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P17Z7EQS	RRRSWC	0	0	0
LED-8029E30C-A	844006080952	10844006080959	N/A	N/A	N/A	0	0	0
LED-8029E40C-A	844006080969	10844006080966	N/A	N/A	N/A	0	0	0
LED-8029E57C-A	844006080976	10844006080973	N/A	N/A	N/A	0	0	0
LED-8029M30C-A	844006081721	10844006081728	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P76RARZA	BBBCYN	0	0	0
LED-8029M40C-A	844006081714	10844006081714	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PN4K35C8	BBBCYN	0	0	0
LED-8029M57C-A	844006081707	10844006081701	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PA216JKT	BBBCYN	0	0	0

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	24	Zonal Lumen Summary			Lumens Per Zone						BASE DOWN			BASE UP		HORIZONTAL	
HID Lamp Power (watts)	150	Zone	Lumens	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total							
HID Ballast Power (watts)	22.5	0-30	198.9	7.5%	0-10	18.5	0.7%	90-100	252.6	9.5%	APPROVED			APPROVED		APPROVED	
Total power Savings (watts)	148.5	0-40	363.0	13.6%	10-20	63.6	2.4%	100-110	231.1	8.7%							
Annual Energy Savings	\$ 83	0-60	835.9	31.3%	20-30	116.9	4.4%	110-120	198.6	7.4%	Recommended Minimum Fixture Size			THERMAL SPECIFICATIONS		OPERATING TEMPERATURE	
Lifetime Energy Savings over 50,000 hrs)	\$ 817	60-90	803.4	30.1%	30-40	164.0	6.1%	120-130	152.2	5.7%							
		70-100	784.7	29.4%	40-50	218.4	8.2%	130-140	102.9	3.9%	Width			IN-SITU TEMP MEASUREMENT/L70			
		90-120	682.3	25.6%	50-60	254.5	9.5%	140-150	60.4	2.3%							
		0-90	1,639.3	61.5%	60-70	271.3	10.2%	150-160	24.9	0.9%	Height			LED TEMPERATURE*			
		90-180	1,028.3	38.5%	70-80	270.8	10.2%	160-170	5.4	0.2%							
		0-180	2,667.6	100%	80-90	261.3	9.8%	170-180	0.2	0%	Volume (Cu. In.)			L70 LED LUMEN MAINTAINANCE*			
										* FROM ISTMT REPORT AT 77°F							

LIGHT EFFICIENT DESIGN ■ 188 S. NORTHWEST HIGHWAY ■ CARY, IL 60013 ■ (847) 380-3540 ■ (847) 380-3540 ■ www.led-lhc.com

LED-8033E/M 35W Post Top Retrofit

Models
LED-8033E/MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT
LED-8033E/MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT
Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 175W 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

- 35W LED Replaces 175W MH or HPS HID Lamps
- Up to 5,600 lumen output and 150 LPW efficacy
- Available in either E26 Edison or 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-8033E30-A	120-277V	35W	4239	121	Up to 175W HID	E26 Edison	3000K	82.3	13.68	0.9791	12	0.0015	Omni-directional / 360°	No
LED-8033E40-A			5468	150			4000K	83.7	16.17	0.973	16	0.0009		
LED-8033E57-A			5617	150			5700K	84.8	16.64	0.9673	21	0.0023		
LED-8033M30-A			4550	130		EX39 Mogul	3000K	>80	<20%	>.90	0	0		
LED-8033M40-A			5237	150			4000K	>80	<20%	>.90	0	0		
LED-8033M57-A			5237	150			5700K	>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-8033E30C-A	347V	35W	4740	131	Up to 175W HID	E26 Edison	3000K	85.4	18.67	0.9534	21	-0.0027	Omni-directional / 360°	No
LED-8033E40C-A			5671	152			4000K	84.6	16.72	0.9456	14	0.0002		
LED-8033E57C-A			5537	150			5700K	85.3	19.23	0.9476	17	0.0003		
LED-8033M30C-A			4550	130		EX39 Mogul	3000K	>80	<20%	>.90	0	0		
LED-8033M40C-A			5237	150			4000K	>80	<20%	>.90	0	0		
LED-8033M57C-A			5237	150			5700K	>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-8033E	8.3" X 3.3 in.	1.02 Lbs	4.9 X 4.9 X 10.4 in.	1.24 Lbs.	15.6 X 15.6 X 11 in.	12 Lbs.	9
LED-8033M	8.5" X 3.3 in.	1.02 Lbs	4.9 X 4.9 X 10.4 in.	1.24 Lbs.	15.6 X 15.6 X 11 in.	12 Lbs.	9

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-8033E30-A	8440060 8110 2	10 8440060 8110 9	N/A	N/A	N/A	0	0	0
LED-8033E40-A	8440060 8057 0	10 8440060 8057 7	N/A	N/A	N/A	0	0	0
LED-8033E57-A	8440060 8111 9	10 8440060 8111 9	N/A	N/A	N/A	0	0	0
LED-8033M30-A	8440060 8332 8	10 8440060 8332 5	0	0	0	0	0	0
LED-8033M40-A	8440060 8334 2	10 8440060 8334 9	0	0	0	0	0	0
LED-8033M57-A	8440060 8336 6	10 8440060 8336 3	0	0	0	0	0	0
LED-8033E30C-A	8440060 8101 0	10 8440060 8101 7	N/A	N/A	N/A	0	0	0
LED-8033E40C-A	8440060 8102 7	10 8440060 8102 4	N/A	N/A	N/A	0	0	0
LED-8033E57C-A	8440060 8103 4	10 8440060 8103 1	N/A	N/A	N/A	0	0	0
LED-8033M30C-A	8440060 8333 5	10 8440060 8333 2	0	0	0	0	0	0
LED-8033M40C-A	8440060 8335 9	10 8440060 8335 6	0	0	0	0	0	0
LED-8033M57C-A	8440060 8337 3	10 8440060 8337 0	0	0	0	0	0	0

ENERGY SAVING vs. HID
ZONAL LUMENS/ LUX DISTANCE DATA (see LM79 for more information)
Mounting Orientation

LED Lamp Power (watts)	35	Zonal Lumen Summary			Lumens Per Zone						BASE DOWN		BASE UP		HORIZONTAL		
		Zone	Lumens	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total							
HID Lamp Power (watts)	175	0-30	287.9	4.2%	0-10	21.3	0.3%	90-100	746.4	10.8%							
		0-40	601.2	8.7%	10-20	82.2	1.2%	100-110	694.7	10%							
HID Ballast Power (watts)	26.25	0-60	1,619.1	23.4%	20-30	184.3	2.7%	110-120	600.9	8.7%							
		60-90	2,148.9	31.1%	30-40	313.3	4.5%	120-130	472.3	6.8%							
Total power Savings (watts)	166.25	70-100	2,228.3	32.2%	40-50	447.0	6.5%	130-140	334.2	4.8%							
		90-120	2,042.0	29.5%	50-60	570.9	8.3%	140-150	196.5	2.8%							
Annual Energy Savings	\$ 93	0-90	3,768.0	54.5%	60-70	667.0	9.6%	150-160	82.0	1.2%							
		90-180	3,145.8	45.5%	70-80	727.9	10.5%	160-170	17.9	0.3%							
Lifetime Energy Savings over 50,000 hrs)	\$ 914	0-180	6,913.9	100%	80-90	754.1	10.9%	170-180	1.0	0%							
											Width		7.4	IN-SITU TEMP MEASUREMENT/L70			
											Height		10	LED TEMPERATURE*			
											Volume (Cu. In.)		547.6	L70 LED LUMEN MAINTAINANCE*			
														* FROM ISTMT REPORT AT 77°F			

LED-8038E 14W Bollard / Post Top Retrofit

Models

LED-8038EXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

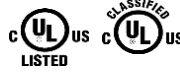
LED-8038XXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 70W 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 without temperature control. 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

- 14W LED Replaces 70W MH or HPS HID Lamps
- Up to 2,200 lumen output and 150 LPW efficacy
- Available in E26 Edison screw base
- UL approved for damp environments and enclosed fixtures
- Passive cooling and active 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-8038E30-A	120-277V	14W	1840	144	Up to 70W HID	E26 Edison	3000K	81.5	18.84	0.9813	3	0.0002	Omni-directional / 360°	No
LED-8038E40-A			2065	152			4000K	82.1	19.94	0.973	16	0.0009		
LED-8038E57-A			2217	148			5700K	81.5	19.61	0.0023	21	0.0023		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS cUL

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8038E30C-A	347V	14W	1789	139	Up to 70W HID	E26 Edison	3000K	81.5	19.89	0.9257	4	0.0002	Omni-directional / 360°	No
LED-8038E40C-A			2037	146			4000K	81.9	19.77	0.9456	14	0.0002		
LED-8038E57C-A			2155	144			5700K	82.2	19.01	0.9195	6	0.0039		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8038E	7.75 X 7.9 in.	0.46 Lbs	4.17 X 4.17 X 6.9 in.	0.792 lbs.	13.4 X 13.4 X 7.7 in.	8.074 Lbs	9

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-8038E30-A	8440060 8295 6	10 8440060 8295 3	N/A	N/A	N/A	N/A	N/A	N/A
LED-8038E40-A	8440060 8297 0	10 8440060 8297 7	N/A	N/A	N/A	N/A	N/A	N/A
LED-8038E57-A	8440060 8299 4	10 8440060 8299 1	N/A	N/A	N/A	N/A	N/A	N/A
LED-8038E30C-A	8440060 8296 3	10 8440060 8296 0	N/A	N/A	N/A	N/A	N/A	N/A
LED-8038E40C-A	8440060 8298 7	10 8440060 8298 4	N/A	N/A	N/A	N/A	N/A	N/A
LED-8038E57C-A	8440060 8300 7	10 8440060 8300 4	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)	14		BASE DOWN	BASE UP	HORIZONTAL	
HID Lamp Power (watts)	70					
HID Ballast Power (watts)	10.5		APPROVED	APPROVED	APPROVED	
Total power Savings (watts)	66.5		Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS		
Annual Energy Savings	\$ 37			OPERATING TEMPERATURE	-40°F to +122°F	
Lifetime Energy Savings over 50,000 hrs)	\$ 366		Width	6.6	IN-SITU TEMP MEASUREMENT/L70	
			Height	7.3	LED TEMPERATURE*	
			Volume (Cu. In.)	317.988	L70 LED LUMEN MAINTAINENCE*	
					* FROM ISTMT REPORT AT 77°F	

LED-8039E 18W Bollard / Post Top Retrofit



Models

LED-8039EXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

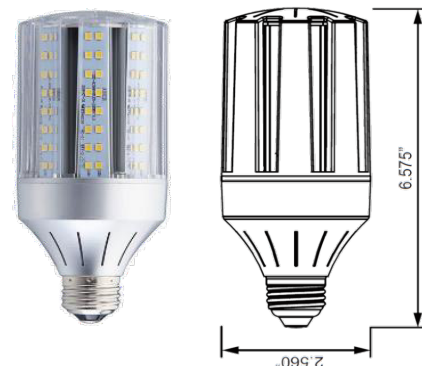
LED-8039XXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 100W 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 without temperature control. 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

- 18W LED Replaces 100W MH or HPS HID Lamps
- Up to 3,000 lumen output and 140 LPW efficacy
- Available in E26 Edison screw base
- UL approved for damp environments and enclosed fixtures
- Passive coolig with active 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-8039E30-A	120-277V	18W	2758	142	Up to 100W HID	E26 Edison	3000K	81.4	0.118	0.968	3	0.0003	Omni-directional / 360°	No
LED-8039E40-A			2983	148			4000K	81.8	0.1126	0.9711	5	0.0005		
LED-8039E57-A			2465	146			5700K	82.2	0.1172	0.9774	9	0.0023		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS cUL

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8039E30C-A	347V	18W	2919	142	Up to 100W HID	E26 Edison	3000K	81.4	0.1444	0.9512	3	0.0003	Omni-directional / 360°	No
LED-8039E40C-A			3053	149			4000K	81.9	0.1454	0.9499	6	0.0005		
LED-8039E57C-A			2695	148			5700K	82	0.1438	0.9428	5	0.0041		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8039E	6.1 X 2.6 in.	0.57 Lbs	4.3 X 4.3 X 7.9 in.	0.792 lbs.	13.7 X 13.7 X 8.5 in.	8.074 Lbs	9

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-8039E30-A	8440060 8049 5	10 8440060 8049 2	N/A	N/A	N/A	N/A	N/A	N/A
LED-8039E40-A	8440060 8064 8	10 8440060 8064 5	N/A	N/A	N/A	N/A	N/A	N/A
LED-8039E57-A	8440060 8048 8	10 8440060 8048 5	N/A	N/A	N/A	N/A	N/A	N/A
LED-8039E30C-A	8440060 8255 0	10 8440060 8255 7	N/A	N/A	N/A	N/A	N/A	N/A
LED-8039E40C-A	8440060 8256 7	10 8440060 8256 4	N/A	N/A	N/A	N/A	N/A	N/A
LED-8039E57C-A	8440060 8257 4	10 8440060 8257 1	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)	18	Zonal Lumen Summary			Lumens Per Zone			BASE DOWN	BASE UP	HORIZONTAL
		Zone	Lumens	% Luminaire	Zone	Lumens	% Total			
HID Lamp Power (watts)	100	0-30	110.1	4.9%	0-10	9.2	0.4%	90-100	235.4	10.5%
HID Ballast Power (watts)	15	0-40	221.0	9.9%	10-20	33.0	1.5%	100-110	219.4	9.8%
Total power Savings (watts)	97	0-60	570.7	25.4%	20-30	67.9	3.0%	110-120	188.6	8.4%
Annual Energy Savings	\$ 55	60-90	692.4	30.9%	30-40	110.9	4.9%	120-130	148.3	6.6%
Lifetime Energy Savings over 50,000 hrs)	\$ 534	70-100	707.7	31.5%	40-50	156.0	7.0%	130-140	102.1	4.6%
		90-120	643.3	28.7%	50-60	193.7	8.6%	140-150	57.5	2.6%
		0-90	1,263.1	56.3%	60-70	220.0	9.8%	150-160	23.9	1.1%
		90-180	980.3	43.7%	70-80	234.1	10.4%	160-170	5.1	0.2%
		0-180	2,243.4	100%	80-90	238.3	10.6%	170-180	0.1	0%

BASE DOWN	BASE UP	HORIZONTAL
		
APPROVED	APPROVED	APPROVED
Recommended Minimum Fixture Size	THERMAL SPECIFICATIONS	
	OPERATING TEMPERATURE	-40°F to +122°F
Width	6.6	IN-SITU TEMP MEASUREMENT/L70
Height	7.3	LED TEMPERATURE*
Volume (Cu. In.)	317.988	48.5
		L70 LED LUMEN MAINTAINENCE*
		>54,000
		* FROM ISTMT REPORT AT 77°F

LED-8046M 65W Post Top Retrofit



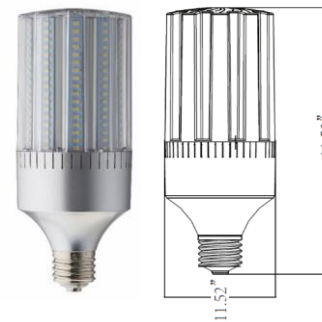
Models
 LED-8046MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT
 LED-8046MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

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



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-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	0	0	0
LED-8024M40-A	8440060 8016 7	10 8440060 8016 4	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024M57-A	8440060 8053 2	10 8440060 8053 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P28JSPC3	PPPRIQ	0	0	0
LED-8024M30C-A	8440060 8080 8	10 8440060 8080 5	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC3	PPPRIO	0	0	0
LED-8024M40C-A	8440060 8081 5	10 8440060 8081 2	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC3	PPPRIO	0	0	0
LED-8024M57C-A	8440060 8082 2	10 8440060 8082 9	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PTUHGDC3	PPPRIO	0	0	0

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											
HID Ballast Power (watts)	48	0-30 444.0 4.7%		0-10 34.9 0.4%		90-100 995.4 10.5%				APPROVED		
Total power Savings (watts)	303	0-40 909.7 9.6%		10-20 129.9 1.4%		100-110 916.5 9.6%				APPROVED		
Annual Energy Savings	\$ 170	0-60 2,394.3 25.2%		20-30 279.2 2.9%		110-120 782.2 8.2%				APPROVED		
Lifetime Energy Savings over 50,000 hrs	\$ 1,667	60-90 2,966.2 31.2%		30-40 465.7 4.9%		120-130 618.0 6.5%				APPROVED		
		70-100 3,020.0 31.8%		40-50 658.3 6.9%		130-140 435.4 4.6%				APPROVED		
		90-120 2,694.0 28.4%		50-60 826.2 8.7%		140-150 255.7 2.7%				APPROVED		
		0-90 5,360.5 56.4%		60-70 941.6 9.9%		150-160 110.1 1.2%				APPROVED		
		90-180 4,138.9 43.6%		70-80 1,004.0 10.6%		160-170 24.2 0.3%				APPROVED		
		0-180 9,499.4 100%		80-90 1,020.6 10.7%		170-180 1.3 0%				APPROVED		

LIGHT EFFICIENT DESIGN ■ 188 S. NORTHWEST HIGHWAY ■ CARY, IL 60013 ■ (847) 380-3540 ■ (847) 380-3540 ■ www.led-llc.com