



**LED-8039E 18W Bollard / Post Top Retrofit**

**Models**

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

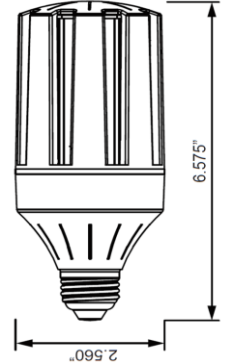
LED-8039XXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

**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 CuI**

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%	<b>APPROVED</b>	<b>APPROVED</b>	<b>APPROVED</b>
		0-40	221.0	9.9%	10-20	33.0	1.5%			
HID Ballast Power (watts)	15	0-60	570.7	25.4%	20-30	67.9	3.0%	<b>Recommended Minimum Fixture Size</b>	THERMAL SPECIFICATIONS	
		60-90	692.4	30.9%	30-40	110.9	4.9%			
Total power Savings (watts)	97	70-100	707.7	31.5%	40-50	156.0	7.0%	Width	OPERATING TEMPERATURE	
		90-120	643.3	28.7%	50-60	193.7	8.6%		Height	-40°F to +122°F
Annual Energy Savings	\$ 55	0-90	1,263.1	56.3%	60-70	220.0	9.8%	Volume (Cu. In.)		IN-SITU TEMP MEASUREMENT/L70
		90-180	980.3	43.7%	70-80	234.1	10.4%		317.988	LED TEMPERATURE*
Lifetime Energy Savings over 50,000 hrs)	\$ 534	0-180	2,243.4	100%	80-90	238.3	10.6%	L70 LED LUMEN MAINTAINANCE* >54,000		
								* FROM ISTMT REPORT AT 77°F		