



## LED-8038E 14W Bollard / Post Top Retrofit

### Models

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

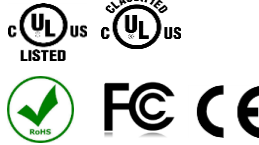
LED-8038XXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

### 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	70W HID	E26	3000K	81.5	18.84	0.9813	3	0.0002	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	70W HID	E26	3000K	81.5	19.89	0.9257	4	0.0002	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	5.4 X 2.6 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	844006082956	10844006082953	N/A	N/A	N/A	0	0	0
LED-8038E40-A	844006082963	10844006082960	N/A	N/A	N/A	0	0	0
LED-8038E57-A	844006082970	10844006082977	N/A	N/A	N/A	0	0	0
LED-8038E30C-A	844006082987	10844006082984	N/A	N/A	N/A	0	0	0
LED-8038E40C-A	844006082994	10844006082991	N/A	N/A	N/A	0	0	0
LED-8038E57C-A	844006083007	10844006083004	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)	14	<p><b>Illuminance at a Distance</b> Center Beam fc    Beam Width</p> <table border="1"> <tr> <td>17.0ft</td> <td>0.32 fc</td> <td>15.9 ft</td> </tr> <tr> <td>34.0ft</td> <td>0.08 fc</td> <td>31.7 ft</td> </tr> <tr> <td>51.0ft</td> <td>0.04 fc</td> <td>47.6 ft</td> </tr> <tr> <td>68.0ft</td> <td>0.02 fc</td> <td>63.4 ft</td> </tr> <tr> <td>85.0ft</td> <td>0.01 fc</td> <td>79.3 ft</td> </tr> <tr> <td>102.0ft</td> <td>0.01 fc</td> <td>95.1 ft</td> </tr> </table> <p>■ Beam Spread: 50.0°</p>	17.0ft	0.32 fc	15.9 ft	34.0ft	0.08 fc	31.7 ft	51.0ft	0.04 fc	47.6 ft	68.0ft	0.02 fc	63.4 ft	85.0ft	0.01 fc	79.3 ft	102.0ft	0.01 fc	95.1 ft	BASE DOWN	BASE UP	HORIZONTAL
17.0ft	0.32 fc		15.9 ft																				
34.0ft	0.08 fc		31.7 ft																				
51.0ft	0.04 fc		47.6 ft																				
68.0ft	0.02 fc		63.4 ft																				
85.0ft	0.01 fc		79.3 ft																				
102.0ft	0.01 fc	95.1 ft																					
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		Width 6.6	OPERATING TEMPERATURE	-40°F to +122°F																		
Lifetime Energy Savings over 50,000 hrs	\$ 366	Height 7.3	IN-SITU TEMP MEASUREMENT/L70																				
		Volume (Cu. In.) 317.988	LED TEMPERATURE*	61.4																			
			L70 LED LUMEN MAINTAINENCE*	>59,000																			
			* FROM ISTMT REPORT AT 77°F																				