



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

### Models

LED-8038-XX-E27-A, 120-277VAC, CE, ROHS, 3000K, 4000K & 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. Internal fans have thermal feedback and a long life (70,000 hours).

### Features

- 14W LED Replaces up to 70 MH or HPS HID Lamps
- Up to 2,217 lumen output and 150 LPW efficacy
- Available in E27 screw base
- Suitable for enclosed fittings
- 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



137mm

66mm



### TECHNICAL SPECIFICATIONS

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8038-NW-E27-A	120-277V	14W	1840	144	Up to 70W HID	E27	3000K	81.5	18.84	0.9813	3	0.0002	360°	No
LED-8038-CW-E27-A			2065	152			4000K	82.1	19.94	0.973	16	0.0009		
LED-8038-DL-E27-A			2217	148			5700K	81.5	19.61	0.0023	21	0.0023		

### PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8038-XX-E27-A	137 X 66 mm	.21 KG	106 X 106 X 175 mm	0.359 KG	340 X 340 X 195 mm	3.66KG	9

### 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																				
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85.0ft	0.01 fc		79.3 ft																				
102.0ft	0.01 fc		95.1 ft																				
HID Lamp Power (watts)	70	APPROVED	APPROVED	APPROVED																			
HID Ballast Power (watts)	11	<b>Recommended Minimum Fitting Size</b>	THERMAL SPECIFICATIONS																				
Total power Savings (watts)	66.5		OPERATING TEMPERATURE	-40°C to +50°C																			
Annual Energy Savings	£27		IN-SITU TEMP MEASUREMENT/L70																				
Lifetime Energy Savings over 50,000 hrs)	£259	Width	185	LED TEMPERATURE*	61.4																		
		Height	168	L70 LED LUMEN MAINTAINENCE*	>59,000 hrs																		
		Volume (Cu. Cm.)	3108	* FROM ISTMT REPORT AT 25°C																			

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