



## LED-8039E/M 18W Bollard / Mini Post Top Retrofit

### Models

LED-8039-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 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. Internal fans have thermal feedback and a long life (70,000 hours).

### Features

- 18W LED Replaces up to 100 MH or HPS HID Lamps
- Up to 2,983 lumen output and 148 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



### TECHNICAL SPECIFICATIONS

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8039-NW-E27-A	120-277V	18W	2758	142	Up to 100W HID	E27	3000K	81.4	11.8%	0.968	3	0.0003	360°	No
LED-8039-CW-E27-A			2983	148			4000K	81.8	0.1126	0.9711	5	0.0005		
LED-8039-DL-E27-A			2465	146			5700K	82.2	11.72%	0.9774	9	0.0023		

### PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8039E	155 X 66 mm	.26 KG	110 X 110 X 200 mm	0.359 KG	350 X 350 X 215 mm	3.66KG	9

### ENERGY SAVING vs. HID

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

### Mounting Orientation

LED Lamp Power (watts)	18	Zonal Lumen Summary									Mounting Orientation			
		Zone	Lumens	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total	BASE DOWN	BASE UP	HORIZONTAL	
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%	<b>APPROVED</b>	<b>APPROVED</b>	<b>APPROVED</b>	
Total power Savings (watts)	97	0-60	570.7	25.4%	20-30	67.9	3.0%	110-120	188.6	8.4%	<b>Recommended Minimum Fitting Size</b>	<b>THERMAL SPECIFICATIONS</b>		
Annual Energy Savings	£39	60-90	692.4	30.9%	30-40	110.9	4.9%	120-130	148.3	6.6%		OPERATING TEMPERATURE	-40°C to +50°C	
Lifetime Energy Savings over 50,000 hrs)	£378	70-100	707.7	31.5%	40-50	156.0	7.0%	130-140	102.1	4.6%	Width	185	IN-SITU TEMP MEASUREMENT/L70	
		90-120	643.3	28.7%	50-60	193.7	8.6%	140-150	57.5	2.6%	Height	168	LED TEMPERATURE*	
		0-90	1,263.1	56.3%	60-70	220.0	9.8%	150-160	23.9	1.1%	Volume (Cu. Cm.)	3108	L70 LED LUMEN MAINTAINENCE*	
		90-180	980.3	43.7%	70-80	234.1	10.4%	160-170	5.1	0.2%			* FROM ISTMT REPORT AT 25°C	
		0-180	2,243.4	100%	80-90	238.3	10.6%	170-180	0.1	0%				

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