

## 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



### 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	N/A	N/A	N/A
LED-8027M40-A	8440060 8017 4	10 8440060 8017 1	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P5WZ6R6Q	SSSCLB	N/A	N/A	N/A
LED-8027M57-A	8440060 8027 3	10 8440060 8027 0	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PJ54UQUWU	SSSCLB	N/A	N/A	N/A
LED-8027M30C-A	8440060 8089 1	10 8440060 8089 8	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	P3GHHQPW	SSSCMJ	N/A	N/A	N/A
LED-8027M40C-A	8440060 8090 7	10 8440060 8090 4	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PQ9AJ246	SSSCMJ	N/A	N/A	N/A
LED-8027M57C-A	8440060 8091 4	10 8440060 8091 1	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)	PC37DVU6	SSSCMJ	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)	100	<table border="1"> <thead> <tr> <th colspan="3">Zonal Lumen Summary</th> <th colspan="3">Lumens Per Zone</th> </tr> <tr> <th>Zone</th> <th>Lumens</th> <th>% Luminaire</th> <th>Zone</th> <th>Lumens</th> <th>% Total</th> </tr> </thead> <tr> <td>0-30</td> <td>726.4</td> <td>6.9%</td> <td>0-10</td> <td>61.2</td> <td>0.6%</td> </tr> <tr> <td>0-40</td> <td>1,589.7</td> <td>15.1%</td> <td>90-100</td> <td>418.4</td> <td>4%</td> </tr> <tr> <td>0-60</td> <td>4,786.8</td> <td>45.3%</td> <td>100-110</td> <td>240.4</td> <td>2.3%</td> </tr> <tr> <td>60-90</td> <td>4,697.7</td> <td>44.5%</td> <td>20-30</td> <td>457.7</td> <td>4.3%</td> </tr> <tr> <td>70-100</td> <td>3,199.0</td> <td>30.3%</td> <td>110-120</td> <td>169.8</td> <td>1.6%</td> </tr> <tr> <td>90-120</td> <td>828.5</td> <td>7.8%</td> <td>30-40</td> <td>863.3</td> <td>8.2%</td> </tr> <tr> <td>90-180</td> <td>1,076.6</td> <td>10.2%</td> <td>120-130</td> <td>104.5</td> <td>1%</td> </tr> <tr> <td>0-180</td> <td>10,561.1</td> <td>100%</td> <td>40-50</td> <td>1,380.3</td> <td>13.1%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>130-140</td> <td>74.7</td> <td>0.7%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>50-60</td> <td>1,816.8</td> <td>17.2%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>140-150</td> <td>43.7</td> <td>0.4%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>60-70</td> <td>1,917.1</td> <td>18.2%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>150-160</td> <td>18.5</td> <td>0.2%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>70-80</td> <td>1,661.5</td> <td>15.7%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>160-170</td> <td>5.5</td> <td>0.1%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>80-90</td> <td>1,119.1</td> <td>10.6%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>170-180</td> <td>1.2</td> <td>0%</td> </tr> </table>						Zonal Lumen Summary			Lumens Per Zone			Zone	Lumens	% Luminaire	Zone	Lumens	% Total	0-30	726.4	6.9%	0-10	61.2	0.6%	0-40	1,589.7	15.1%	90-100	418.4	4%	0-60	4,786.8	45.3%	100-110	240.4	2.3%	60-90	4,697.7	44.5%	20-30	457.7	4.3%	70-100	3,199.0	30.3%	110-120	169.8	1.6%	90-120	828.5	7.8%	30-40	863.3	8.2%	90-180	1,076.6	10.2%	120-130	104.5	1%	0-180	10,561.1	100%	40-50	1,380.3	13.1%				130-140	74.7	0.7%				50-60	1,816.8	17.2%				140-150	43.7	0.4%				60-70	1,917.1	18.2%				150-160	18.5	0.2%				70-80	1,661.5	15.7%				160-170	5.5	0.1%				80-90	1,119.1	10.6%				170-180	1.2	0%	<table border="1"> <thead> <tr> <th>BASE DOWN</th> <th>BASE UP</th> <th>HORIZONTAL</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>APPROVED</td> <td>APPROVED</td> <td>APPROVED</td> </tr> </tbody> </table>			BASE DOWN	BASE UP	HORIZONTAL				APPROVED	APPROVED	APPROVED
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