

LED-8033E/M 35W Post Top Retrofit



Models

LED-8033E/MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT
LED-8033E/MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

Mogul Base Models Only
(See details below)



Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 175W 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

- 35W LED Replaces 175W MH or HPS HID Lamps
- Up to 5,600 lumen output and 150 LPW efficacy
- Available in either E26 Edison or EX39 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-8033E30-A	120-277V	35W	4239	121	Up to 175W HID	E26 Edison	3000K	82.3	13.68	0.9791	12	0.0015	Omni-directional / 360°	No
LED-8033E40-A			4000K	83.7			16.17	0.973	16	0.0009				
LED-8033E57-A			5700K	84.8			16.64	0.9673	21	0.0023				
LED-8033M30-A			EX39 Mogul	3000K		>80	<20%	>.90	0	0				
LED-8033M40-A				4000K		>80	<20%	>.90	0	0				
LED-8033M57-A				5700K		>80	<20%	>.90	0	0				

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS cUL

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8033E30C-A	347V	35W	4740	131	Up to 175W HID	E26 Edison	3000K	85.4	18.67	0.9534	21	-0.0027	Omni-directional / 360°	No
LED-8033E40C-A			4000K	84.6			16.72	0.9456	14	0.0002				
LED-8033E57C-A			5700K	85.3			19.23	0.9476	17	0.0003				
LED-8033M30C-A			EX39 Mogul	3000K		>80	<20%	>.90	0	0				
LED-8033M40C-A				4000K		>80	<20%	>.90	0	0				
LED-8033M57C-A				5700K		>80	<20%	>.90	0	0				

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8033E	8.3" X 3.3 in.	1.02 Lbs	4.9 X 4.9 X 10.4 in.	1.24 Lbs.	15.6 X 15.6 X 11 in.	12 Lbs.	9
LED-8033M	8.5" X 3.3 in.	1.02 Lbs	4.9 X 4.9 X 10.4 in.	1.24 Lbs.	15.6 X 15.6 X 11 in.	12 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-8033E30-A	8440060 8110 2	10 8440060 8110 9	N/A	N/A	N/A	0	0	0
LED-8033E40-A	8440060 8057 0	10 8440060 8057 7	N/A	N/A	N/A	0	0	0
LED-8033E57-A	8440060 8111 9	10 8440060 8111 9	N/A	N/A	N/A	0	0	0
LED-8033M30-A	8440060 8332 8	10 8440060 8332 5	0	0	0	0	0	0
LED-8033M40-A	8440060 8334 2	10 8440060 8334 9	0	0	0	0	0	0
LED-8033M57-A	8440060 8336 6	10 8440060 8336 3	0	0	0	0	0	0
LED-8033E30C-A	8440060 8101 0	10 8440060 8101 7	N/A	N/A	N/A	0	0	0
LED-8033E40C-A	8440060 8102 7	10 8440060 8102 4	N/A	N/A	N/A	0	0	0
LED-8033E57C-A	8440060 8103 4	10 8440060 8103 1	N/A	N/A	N/A	0	0	0
LED-8033M30C-A	8440060 8333 5	10 8440060 8333 2	0	0	0	0	0	0
LED-8033M40C-A	8440060 8335 9	10 8440060 8335 6	0	0	0	0	0	0
LED-8033M57C-A	8440060 8337 3	10 8440060 8337 0	0	0	0	0	0	0

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	35	<table border="1"> <thead> <tr> <th colspan="3">Zonal Lumen Summary</th> <th colspan="4">Lumens Per Zone</th> </tr> <tr> <th>Zone</th> <th>Lumens</th> <th>% Luminaire</th> <th>Zone</th> <th>Lumens</th> <th>% Total</th> <th>Zone</th> <th>Lumens</th> <th>% Total</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>287.9</td><td>4.2%</td><td>0-10</td><td>21.3</td><td>0.3%</td><td>90-100</td><td>746.4</td><td>10.8%</td></tr> <tr><td>0-40</td><td>601.2</td><td>8.7%</td><td>10-20</td><td>82.2</td><td>1.2%</td><td>100-110</td><td>694.7</td><td>10%</td></tr> <tr><td>0-60</td><td>1,619.1</td><td>23.4%</td><td>20-30</td><td>184.3</td><td>2.7%</td><td>110-120</td><td>600.9</td><td>8.7%</td></tr> <tr><td>60-90</td><td>2,148.9</td><td>31.1%</td><td>30-40</td><td>313.3</td><td>4.5%</td><td>120-130</td><td>472.3</td><td>6.8%</td></tr> <tr><td>70-100</td><td>2,228.3</td><td>32.2%</td><td>40-50</td><td>447.0</td><td>6.5%</td><td>130-140</td><td>334.2</td><td>4.8%</td></tr> <tr><td>90-120</td><td>2,042.0</td><td>29.5%</td><td>50-60</td><td>570.9</td><td>8.3%</td><td>140-150</td><td>196.5</td><td>2.8%</td></tr> <tr><td>0-90</td><td>3,768.0</td><td>54.5%</td><td>60-70</td><td>667.0</td><td>9.6%</td><td>150-160</td><td>82.0</td><td>1.2%</td></tr> <tr><td>90-180</td><td>3,145.8</td><td>45.5%</td><td>70-80</td><td>727.9</td><td>10.5%</td><td>160-170</td><td>17.9</td><td>0.3%</td></tr> <tr><td>0-180</td><td>6,913.9</td><td>100%</td><td>80-90</td><td>754.1</td><td>10.9%</td><td>170-180</td><td>1.0</td><td>0%</td></tr> </tbody> </table>	Zonal Lumen Summary			Lumens Per Zone				Zone	Lumens	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total	0-30	287.9	4.2%	0-10	21.3	0.3%	90-100	746.4	10.8%	0-40	601.2	8.7%	10-20	82.2	1.2%	100-110	694.7	10%	0-60	1,619.1	23.4%	20-30	184.3	2.7%	110-120	600.9	8.7%	60-90	2,148.9	31.1%	30-40	313.3	4.5%	120-130	472.3	6.8%	70-100	2,228.3	32.2%	40-50	447.0	6.5%	130-140	334.2	4.8%	90-120	2,042.0	29.5%	50-60	570.9	8.3%	140-150	196.5	2.8%	0-90	3,768.0	54.5%	60-70	667.0	9.6%	150-160	82.0	1.2%	90-180	3,145.8	45.5%	70-80	727.9	10.5%	160-170	17.9	0.3%	0-180	6,913.9	100%	80-90	754.1	10.9%	170-180	1.0	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
Zonal Lumen Summary			Lumens Per Zone																																																																																																										
Zone	Lumens		% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total																																																																																																				
0-30	287.9		4.2%	0-10	21.3	0.3%	90-100	746.4	10.8%																																																																																																				
0-40	601.2		8.7%	10-20	82.2	1.2%	100-110	694.7	10%																																																																																																				
0-60	1,619.1		23.4%	20-30	184.3	2.7%	110-120	600.9	8.7%																																																																																																				
60-90	2,148.9		31.1%	30-40	313.3	4.5%	120-130	472.3	6.8%																																																																																																				
70-100	2,228.3		32.2%	40-50	447.0	6.5%	130-140	334.2	4.8%																																																																																																				
90-120	2,042.0		29.5%	50-60	570.9	8.3%	140-150	196.5	2.8%																																																																																																				
0-90	3,768.0		54.5%	60-70	667.0	9.6%	150-160	82.0	1.2%																																																																																																				
90-180	3,145.8	45.5%	70-80	727.9	10.5%	160-170	17.9	0.3%																																																																																																					
0-180	6,913.9	100%	80-90	754.1	10.9%	170-180	1.0	0%																																																																																																					
BASE DOWN	BASE UP	HORIZONTAL																																																																																																											
APPROVED	APPROVED	APPROVED																																																																																																											
HID Lamp Power (watts)	175		<table border="1"> <thead> <tr> <th colspan="2">Recommended Minimum Fixture Size</th> <th colspan="2">THERMAL SPECIFICATIONS</th> </tr> <tr> <th>Width</th> <th>Height</th> <th>OPERATING TEMPERATURE</th> <th>-40°F to +122°F</th> </tr> </thead> <tbody> <tr> <td>7.4</td> <td>10</td> <td colspan="2">IN-SITU TEMP MEASUREMENT /L70</td> </tr> <tr> <td colspan="2"></td> <td>LED TEMPERATURE*</td> <td>64.2</td> </tr> <tr> <td colspan="2"></td> <td>L70 LED LUMEN MAINTAINANCE*</td> <td>>60,000</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">* FROM ISTMT REPORT AT 77°F</td> </tr> </tbody> </table>	Recommended Minimum Fixture Size		THERMAL SPECIFICATIONS		Width	Height	OPERATING TEMPERATURE	-40°F to +122°F	7.4	10	IN-SITU TEMP MEASUREMENT /L70				LED TEMPERATURE*	64.2			L70 LED LUMEN MAINTAINANCE*	>60,000			* FROM ISTMT REPORT AT 77°F																																																																																			
Recommended Minimum Fixture Size				THERMAL SPECIFICATIONS																																																																																																									
Width	Height			OPERATING TEMPERATURE	-40°F to +122°F																																																																																																								
7.4	10			IN-SITU TEMP MEASUREMENT /L70																																																																																																									
				LED TEMPERATURE*	64.2																																																																																																								
				L70 LED LUMEN MAINTAINANCE*	>60,000																																																																																																								
				* FROM ISTMT REPORT AT 77°F																																																																																																									
HID Ballast Power (watts)	26.25																																																																																																												
Total power Savings (watts)	166.25																																																																																																												
Annual Energy Savings	\$ 93																																																																																																												
Lifetime Energy Savings over 50,000 hrs	\$ 914																																																																																																												