



LED-8050M 300W High Bay Retrofit

Models

LED-8050M50, 90-305VAC, cULus, 5000K CCT
 LED-8050M50-HV, 249-528VAC, cUL, 5000K CCT

Description

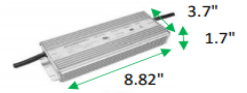
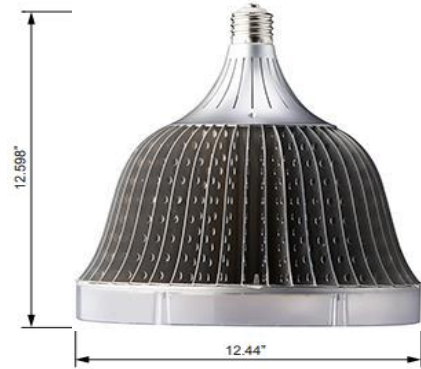
Light Efficient Design's External Driver High Bay retrofits replace HID lamps up to 1000W HID. Advanced Active Cooling technology improves thermal performance and delivers the highest light output along with longer LED and driver life versus lamps limited to passive cooling. All models are tested by UL under 1598C that insures that retrofitted fixture retains safety certification

Features

- 300W LED Replaces 1000W MH or HPS HID Lamps
- Up to 34,153 lumen output and 114 LPW efficacy
- Available in EX39 Mogul screw base
- UL approved for damp environments
- Inventronics Driver IP67 Included
- 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
- 0-10V, PWM, or Resistive dimming when used with lighting controls
- Tether Available at Request
- *Approved for Open Fixtures Only**



Mogul Base Models Only
(See details below)



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-8050M50	90-305VAC	300W	34153	114	1000W HID	EX39 Protected Mogul	5000K	71.7	0.0393	99	0	0.0027	Directional / 120°	Yes
LED-8050M50-HV	249-528VAC	300W	33533	112	1000W HID	EX39 Protected Mogul	5000K	71.6	0.0741	98	0	0.0026	Directional / 120°	Yes

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8050M	12.5 X 12.5 in	7.4 lbs	14 X 14 X 14.2 in.	12.5 lbs.	28.7 X 14.6 X 14.8 in.	26 Lbs	2

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-8050M50	8440060 8198 0	10 8440060 8198 7	Replacement Lamps for High-Bay Luminaires (Type C)	P91177CX	JJMMX	0	0	0
LED-8050M50-HV	8440060 8199 7	10 8440060 8199 4	Replacement Lamps for High-Bay Luminaires (Type C)	P91177CX	JJMMX	0	0	0

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	300	<div style="text-align: center;"> <p>Illuminance at a Distance</p> <p>Center Beam fc Beam Width</p> <table border="1"> <tr> <td>17.0ft</td> <td>20.3 fc</td> <td>35.2 ft</td> <td>14.2 ft</td> </tr> <tr> <td>34.0ft</td> <td>5.1 fc</td> <td>70.3 ft</td> <td>28.5 ft</td> </tr> <tr> <td>51.0ft</td> <td>2.3 fc</td> <td>105.5 ft</td> <td>42.7 ft</td> </tr> <tr> <td>68.0ft</td> <td>1.3 fc</td> <td>140.6 ft</td> <td>56.9 ft</td> </tr> <tr> <td>85.0ft</td> <td>0.8 fc</td> <td>175.8 ft</td> <td>71.2 ft</td> </tr> <tr> <td>102.0ft</td> <td>0.6 fc</td> <td>211.0 ft</td> <td>85.4 ft</td> </tr> </table> <p>■ Vert. Spread: 91.9° ■ Horiz. Spread: 45.4°</p> </div>	17.0ft	20.3 fc	35.2 ft	14.2 ft	34.0ft	5.1 fc	70.3 ft	28.5 ft	51.0ft	2.3 fc	105.5 ft	42.7 ft	68.0ft	1.3 fc	140.6 ft	56.9 ft	85.0ft	0.8 fc	175.8 ft	71.2 ft	102.0ft	0.6 fc	211.0 ft	85.4 ft	BASE DOWN	BASE UP	HORIZONTAL
17.0ft	20.3 fc		35.2 ft	14.2 ft																									
34.0ft	5.1 fc		70.3 ft	28.5 ft																									
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102.0ft	0.6 fc	211.0 ft	85.4 ft																										
HID Lamp Power (watts)	1000																												
HID Ballast Power (watts)	150	NOT APPROVED	APPROVED	NOT APPROVED																									
Total power Savings (watts)	850	THERMAL SPECIFICATIONS																											
Annual Energy Savings	\$ 478	Recommended Minimum Fixture Size	OPERATING TEMPERATURE	-40°F to +122°F																									
Lifetime Energy Savings over 50,000 hrs)	\$ 4,675	Width: 16.2	IN-SITU TEMP MEASUREMENT/L70																										
		Height: 14.5	LED TEMPERATURE*	87.8																									
		Volume (Cu. In.): 3805.38	L70 LED LUMEN MAINTAINENCE*	>73,000																									
			* FROM ISTMT REPORT AT 77°F																										