



LED-8036 100W High Bay / Low Bay Retrofit

Models

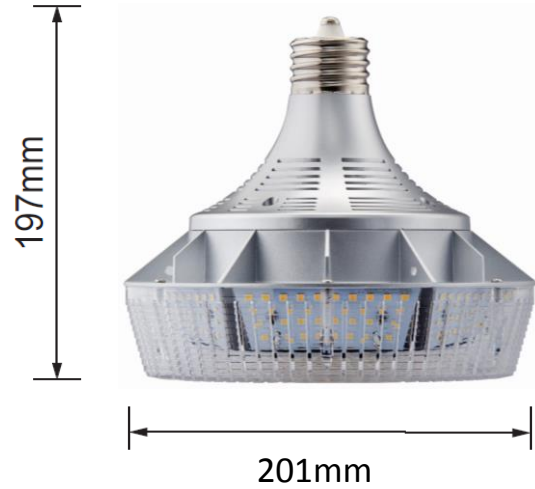
LED-8036-XX-E40, 120-277VAC, CE, ROHS, 4000K & 5700K CCT

Description

Light Efficient Design's High Bay / Low Bay retrofits replace HID lamps up to 250W 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

- 100W LED Replaces up to 250W MH or HPS HID Lamps
- Up to 10,798 lumen output and 112 LPW efficacy
- Available in E40 screw base
- Suitable for enclosed fittings
- Advanced active cooling: Active cooling and dynamic temperature control
- Integrated 10kA 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

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8036-CW-E40-A	120-277V	100W	10656	110	250W HID	E40	4000K	85.3	14.63	96	20	-0.0008	180°	No
LED-8036-DL-E40-A			10798	112			5700K	85.1	14.93	96	15	0.0025		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8036-XX-E40	197 X 201 mm	1.25 kg.	255 X 255 X 245 mm	1.73 kg.	525 X 270 X 505 mm	7.68 kg.	4

ENERGY SAVING vs. HID

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

Mounting Orientation

LED Lamp Power (watts)	100	<p>Illuminance at a Distance</p> <p>Center Beam fc Beam Width</p> <table border="1"> <tr> <td>17.0ft</td> <td>10.00 fc</td> <td>43.6 ft</td> <td>40.2 ft</td> </tr> <tr> <td>34.0ft</td> <td>2.50 fc</td> <td>87.2 ft</td> <td>80.5 ft</td> </tr> <tr> <td>51.0ft</td> <td>1.11 fc</td> <td>130.8 ft</td> <td>120.7 ft</td> </tr> <tr> <td>68.0ft</td> <td>0.63 fc</td> <td>174.4 ft</td> <td>161.0 ft</td> </tr> <tr> <td>85.0ft</td> <td>0.40 fc</td> <td>218.0 ft</td> <td>201.2 ft</td> </tr> <tr> <td>102.0ft</td> <td>0.28 fc</td> <td>261.6 ft</td> <td>241.5 ft</td> </tr> </table> <p>■ Vert. Spread: 104.1° ■ Horiz. Spread: 99.6°</p>	17.0ft	10.00 fc	43.6 ft	40.2 ft	34.0ft	2.50 fc	87.2 ft	80.5 ft	51.0ft	1.11 fc	130.8 ft	120.7 ft	68.0ft	0.63 fc	174.4 ft	161.0 ft	85.0ft	0.40 fc	218.0 ft	201.2 ft	102.0ft	0.28 fc	261.6 ft	241.5 ft	BASE DOWN	BASE UP	HORIZONTAL
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HID Lamp Power (watts)	250	APPROVED	APPROVED	APPROVED																									
HID Ballast Power (watts)	38	<p>Recommended Minimum Fitting Size</p> <table border="1"> <tr> <th colspan="2">THERMAL SPECIFICATIONS</th> </tr> <tr> <td>OPERATING TEMPERATURE</td> <td>-40°C to +50°C</td> </tr> <tr> <th colspan="2">IN-SITU TEMP MEASUREMENT/L70</th> </tr> <tr> <td>Width</td> <td>277</td> <td>LED TEMPERATURE*</td> <td>51.6</td> </tr> <tr> <td>Height</td> <td>231</td> <td>L70 LED LUMEN MAINTAINENCE*</td> <td>>54,000</td> </tr> <tr> <td>Volume (Cu. Cm.)</td> <td>6398.7</td> <td colspan="2">* FROM ISTMT REPORT AT 25°C</td> </tr> </table>	THERMAL SPECIFICATIONS		OPERATING TEMPERATURE	-40°C to +50°C	IN-SITU TEMP MEASUREMENT/L70		Width	277	LED TEMPERATURE*	51.6	Height	231	L70 LED LUMEN MAINTAINENCE*	>54,000	Volume (Cu. Cm.)	6398.7	* FROM ISTMT REPORT AT 25°C										
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Total power Savings (watts)	187.5																												
Annual Energy Savings	£75																												
Lifetime Energy Savings over 50,000 hrs)	£731	<p>Note: To convert to Lux, multiply Foot Candles by 10.76</p>																											

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