

EnviroLux Led High Lumen 77 Watt Industrial Circle Highbay



Project Information	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The EnviroLux LED Circle High Bay Fixture product line is available in several wattages with a wide choice of mounting configurations and optical distributions designed to replace HID lighting systems from 250w to 1000w MH or HPS. Typical commercial high bay lighting applications include commercial warehouse facilities, and manufacturing facilities where our up to 201 Lumens Per Watt and high CRI of 80 Efficiency, help factory workers best disseminate their production equipment and surroundings for safety. Fixture wattages for mounting heights of up to 100 feet are available.

Specifications and Features:

Housing:

18" Diameter, Thermally Conductive Molded Polymer Housing, Powder Coated Aluminum Shroud. Paint Finish Meets ASTM-B-117 Specifications. Center Threaded Post Holds LED Array to housing; optional white wall reflector to boost lumen output. Poured-in-place gasket, Shroud Rod and Gasketed Shroud Hub.. Frosted Acrylic Flat Lens to control glare. Ring Gasket and Retainer Ring create a tight seal.

Listing & Ratings:

CSA: Listed for Dry Locations, ANSI/UL 1598, 8750; IP54

Mounting Options:

Stainless Steel Hook. Pendant Mount for Rigid Conduit

LED:

Aluminum Metal Core - 2oz Copper Inlay

Wattage:
77 Watt



Driver:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with EnviroLux Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:

7-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table



Dimensions

Height	7.3"
Diameter	18"

Optional Drop Lens



Complete Units
Ordering Information
Example: EESHBL22D77W27V50K

EnviroLux High Lumen 77 Watt Industrial Circle LED Highbay

		U	5K	P	
Model	Wattage	Driver	CCT	Color	Options
EESHBL22D 77W27V50K	77W-LED=77w	UNV-PS= 120-277V	35K=3500K 41K=4100K 5K=5000K	W=White	
SF=Single Fuse* DF=Double Fuse* SP=Surge Protection M3=Microwave Sensor for Mounting Heights of 20 Feet or Above.* CP6120W=6' White Cord, 3 Wire, L5-15P Twist-Lock Plug CP6277W=6' White Cord, 3 Wire, L7-15P Twist-Lock Plug C6600B=6' Black Cord, STW, 600VAC, 3 Wire, Leads C6600W=6' White Cord, STW, 600VAC, 3 Wire, Leads C4600B=4' Black Cord, SEOW, 600VAC, 3 Wire, Leads BU=Battery Backup, 90 Minutes* EW=EnviroLux Wireless GR=Grippler (Pair 10ft) L=Lens					

*120-277V Models Only.



Scan to watch our Made in USA video

EnviroLux Led High Lumen Industrial Circle Highbay



Photometric Performance

					5000 CCT 80 CRI	
LED Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	Lumens	LPW
LED 77w	2050	77	Wide (100°)	1.16	14,784	192

Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 180w	1.00	0.89	0.79	0.58	299,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.86	0.72	0.44	148,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.87	0.74	0.47	172,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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