

## ELS 150 watt LED HIGH BAY Fixture Specification and Data Sheet

Electronic Lighting Science, Inc's LED lamps are the next generation in solid state lighting Technology. Our LED fixtures combine highly efficient materials that allow our fixtures an efficacy that far exceeds other brands in the marketplace.

Our High Bay Fixture is a direct replacement for 400 watt Metal Halide High Bay fixture. The ELS High Bay LED fixture consumes only 150 watts, reducing your energy consumption up to 62% of your current use. Our LED fixture is a cool lighting source, which produces No UV or IR, which reduces HVAC loads and temperatures. This feature greatly reduces maintenance costs.

### Features:

- High Lumen Output
- High Efficiency and Reliability
- Low Power Consumption
- Up to 100,000 hour life span
- UL & RoHs Certificate Compliant
- 5 year Manufacturers Warranty

### Applications:

- Commercial Down Lighting
- Industrial Down Lighting
- Warehouse Lighting Applications
- General Illumination



### An Outstanding Return on a Light Investment

As a business owner, you look for investments with short payback periods and attractive rates of return. Energy-efficient lighting is just such an investment. As much as 40 percent of your electric bill may be just the cost of your business lighting requirements.

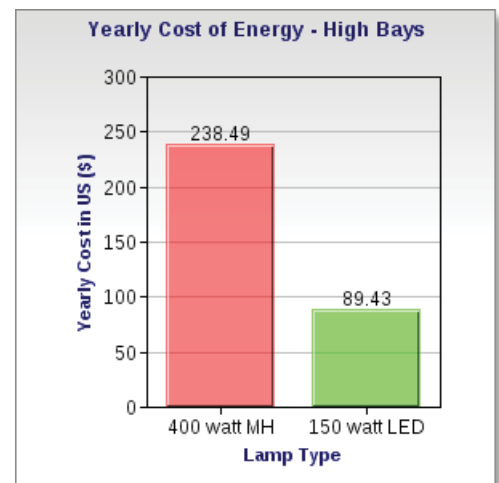
By installing energy-efficient lighting, you can:

- Significantly reduce electric usage
- Decrease monthly energy costs
- Markedly improve lighting quality
- Provide a safer and more productive work environment.

### Cost of Energy Comparative Analysis

As a direct replacement for a Metal Halide High Bay fixture, our LED fixture consumes only 62% of the energy used by a Metal Halide unit. There is huge savings potential when multiple lamps are utilized.

Graph compares the cost of energy per lamp, based on a Commercial price per kilowatt of \$0.1365/hour, 12 hours per day of usage, for 364 days. Cost of energy data for CA from U.S. Department of Energy data for May 2010.

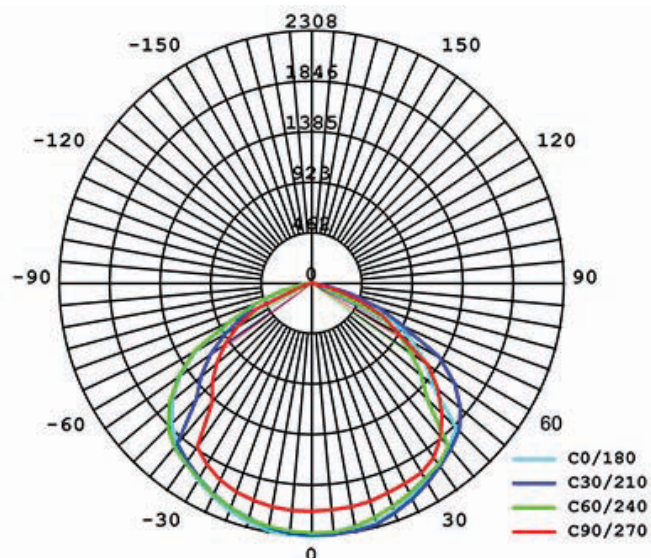


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### Specification Details

Model No:	ELS-HB-150-CW / NW / WW
Input Voltage	AC 85-265V, 50~60Hz
Power Consumption	150 watts
Power Factor	>0.95
Power Efficiency	>0.88
Output Current	3,000 MA
Output Voltage	DC45
System Consumption	150 watts
Luminous Flux	13,500Lm
Luminous Efficacy	90Lm/watt
Lumen Maintenance	70%
Color Temperature	3-4,000K (warm white) ; 4,500-5,500K (neutral white) 6-7,000K (cool white)
Center of the Illumination @ 5M	>620 Lux
Center of the Illumination @ 8M	>500 Lux
Center of the Illumination @ 10M	> 355 Lux
CRI	>75
Life Span	>100,000 hours
Operation Temperature	-50°C~55°C
Storage Temperature	-30°C~+70°C
Package Dimensions	Length: 485mm x 485mm x 450mm
Angle	130°
Light Source	150W USA Bridgelux LED
IP Rating	IP65
Weight	6.8kg
HID Equivalent	400 watt Metal Halide

### Photometric Data and Light Distribution Curve



The chart below represents the photometric data of the ELS 150 watt LED fixture. Fixture has a candlepower trace of 6000K, single Bridgelux LED 150 watt module with IESNA Type I Short Distribution. Luminaire with 13,500 initial delivered lumens operating at 300mA.