

## ELS 300 watt LED HIGH BAY Fixture Specification and Data Sheet

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

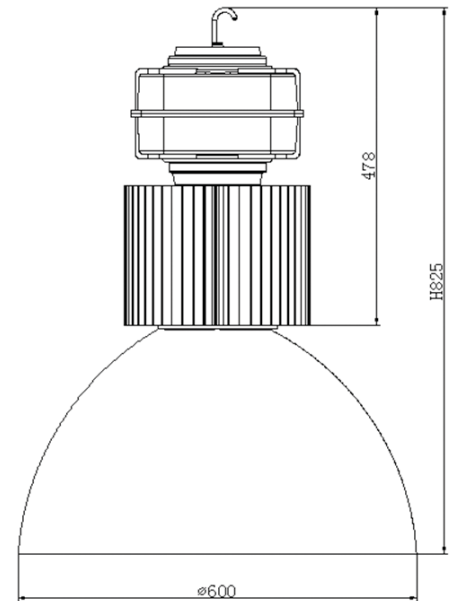
Our High Bay Fixture is a direct replacement for 1000 watt Metal Halide High Bay units. Our High Bay LED fixture consumes only 300 watts, reducing your energy consumption up to 70% of your current use. Our LED fixture is a cool lighting source, which produces No UV or IR, which reduces HVAC loads and temperatures. This feature greatly reduces maintenance costs.

### Features:

- High Lumen Output
- High Efficiency and Reliability
- Low Power Consumption
- Over 60,000 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.

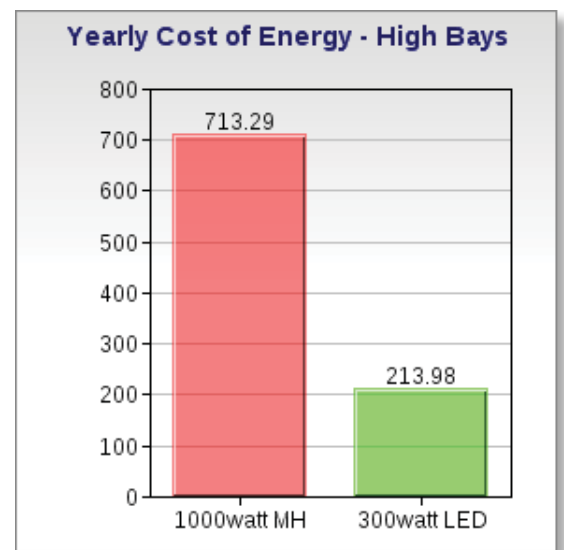
By installing energy-efficient lighting, you can:

- 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 70% 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 \$0.16/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.

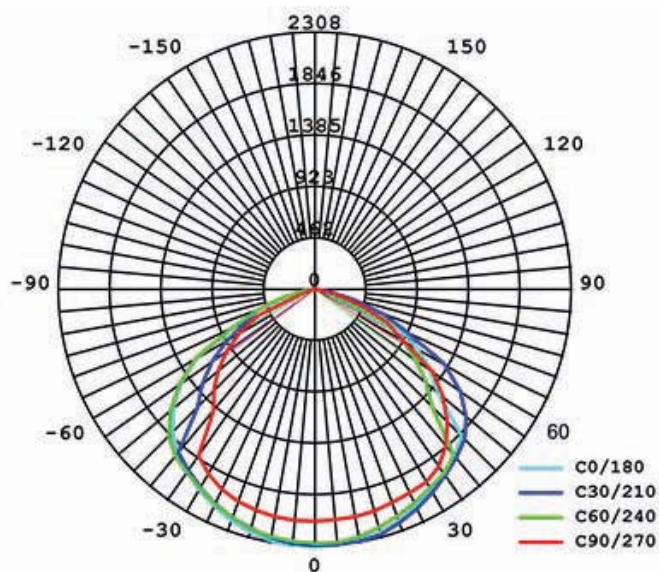


## ELS 300 watt LED HIGH BAY Fixture Specification and Data Sheet

### Specification Details

Model No:	ELS-HB-300-WW / NW / CW
Input Voltage	AC 90-305V, 50~60Hz
Power Consumption	300 w atts
Power Factor	>0.96
Power Efficiency	>0.90
System Consumption	300 w atts
Luminous Flux	29,000Lm
Luminous Efficacy	>90Lm/w att
Lumen Maintenance	70%
Color Temperature	3,000 - 7,000K
Center of the Illumination @ 3M	>9615 Lux
Center of the Illumination @ 6M	>2280 Lux
Center of the Illumination @ 9M	>1005 Lux
CRI	>70
Life Span	>60,000 hours
Operation Temperature	-20°C~+40°C
Storage Temperature	-40°C~+55°C
Angle	130° & 150°
Light Source	300W USA Bridgelux LED
IP Rating	IP65/45
Weight	15kg
HID Equivalent	700-1000 w att Metal Halide

### Photometric Data and Light Distribution Curve



The chart represents the photometric data of the ELS 300 watt LED fixture. The fixture has a candlepower trace of 6000K, using a single Bridgelux LED 300 watt module with IESNA Type I Short Distribution. Luminaire with 29,000 initial lumens operating at 300mA.