

LED HI-BAY LUMINAIRE



Benefits

- 80% Energy Savings
- Long Life
- Uniform Light Distribution
- Low glare
- Superior CRI
- No Lumen Depreciation
- Constant light intensity throughout temperature range and life
- Universal Input
100-300 Vac, 200-380 Vac
- 50-60 Hz Operation
- Instant ON/OFF
- Cold start
- No audible noise

- Versatile Mounting System
- Greater resistance to shock and vibrations
- RoHS compliant

- Easy Driver Replacement

- Optional:
Occupancy Sensor
Linear Dimming
Real Time Clock Dimming
Midnight Dimming
Smart Light Control

- Multi-Level Dimming
- Demand/Response
- Schedule
- Remote control of light intensity

Elumen Lighting Networks
6638, Abrams
Saint-Laurent, Québec
H4S 1Y1

T. 514-876-1010
F. 514-876-1010

www.elumenlighting.com



Hi-Bay Luminaire

Elumen introduces the LED Hi-Bay luminaire. Featuring its OptiAC 450 LED driver, LightSpread technology, and its innovative thermal design it yields best in class light efficiency of over 124 lumens/watt delivered resulting in 80% energy savings

LED arrays are mounted in an engineered geometry to provide a uniform light spread. An innovative thermal design maximizes radiation and natural convection cooling that allows the LEDs to operate at lower temperatures for extended life.

Lightweight design and versatile mounting system, it is ideal for many applications such as warehouse, garage, manufacturing plants, parking, parks, tunnels, cold storage and stores.

High Energy Savings

The Elumen Hi-Bay luminaire results in 80% energy savings compared to traditional HID light sources. This energy conservation is directly related to Light Emitting Diodes technology advancement combined with the innovative way Elumen uses its high efficiency OptiAC™ LED drive. Additional savings are generated with the use of our options: Occupancy Sensor, Linear Dimming, Midnight Dimming and RTC Dimming.

Light Uniformity

In lighting applications, uniformity is more important than absolute intensity. Due to Elumen's unique LED positioning methods, nearly all of the generated light is uniformly distributed over the target area merging perfectly with the adjacent luminaire. Light intensity is uniform throughout the area of illumination, eliminating bright spots typically found under traditional high bay luminaire.

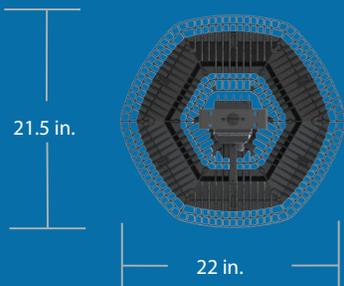
Longevity

The completely sealed casing of the Elumen Hi-Bay minimizes light depreciation from dust and pollution. Moreover, the aging compensation algorithm of the OptiAC™ LED drive ensures a uniform photometric output during the life of the product. (LLF=0.95) No need for overlighting an installation to reach the maintained illumination required in the lifespan of the light. The cooling system and smart LED control results in energy optimization and extended life.



Technical Data

Dimension



LED HB
Weight: 15lbs (6,8 kg)

Mechanical

Mecanical Mounting	Multipurpose ±90 degrees adjustment
Lens	Acrylic
Casing	Aluminium powder coated
Seal	IP 66
Operating Temperature	-45 °C to 85 °C
Audible noise	0 db
CRI, CCT	70, 5000 °K, 4500 °K, 4000 °K, 3500 °K
Vibrations	ANSI C136.31-2001 for bridges
Lumens	51432

Electrical

Voltage	100 to 300Vac, 200 to 380 Vac, 50 to 60 Hz
Power Factor	> 0.95
Consumption (typical)	415W
Transients	EN 61000-4-5.
EMI/ESD/Immunity	EN 61000-4-2.

Regulatory Agencies

Canada, USA	CSA C22.2 ,UL1598 for wet areas
RoHS	Yes

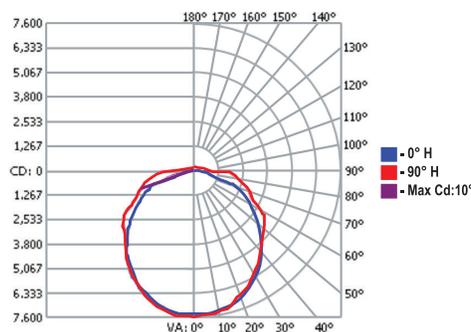
Life

Zero Lumen Depreciation	210 000 hours
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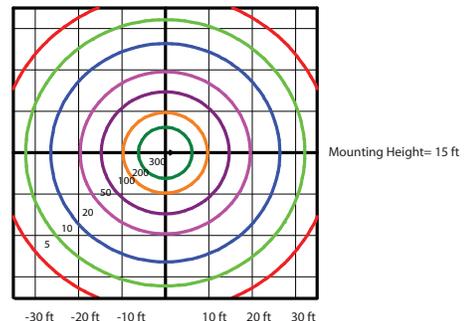
Light Distribution LED HB 440W



Polar Candela Distribution



Isolux Plot



Ordering

Series	Color	Power	Color LED	Cable Length	Mounting	LED Driver	Options	Unit Height	Location	Feature
HB	G	440	C	6	SB	C	N	1	I	N
	G=GRAY	440W	C = 5000 °K D = 4500 °K E = 4000 °K F = 3500 °K	X = Length in feet	SB = Swivel Bracket PM = Pendant Mount HM = Hook Mount LM = Loop Mount DM = Direct Mount RP = Round Pole Mount	C = 100 - 300 Vac D = 200 - 380 Vac	N = No options S = With Occupancy Sensor Input 50% Dimming when no Occupancy T = Embedded Occupancy Sensor R = Real Time Clock (up to 2 periods dimming) L = With AC Linear Dimming Input (10% to 100% intensity) D = 0-10 Vdc Linear Dimming Input (10% to 100% intensity) I = Wireless Remote Control	1= 14po 2= 15po 3= 16po 4= 19po 5= 20po 6= 21po	I = Indoor O = Outdoor	N = None R = Reflector H = High Output

Elumen reserves the right to change specifications

