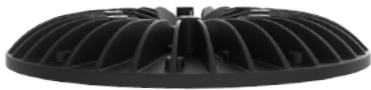


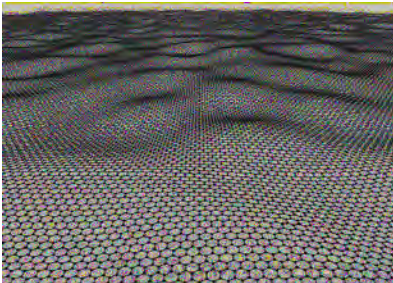


## LED High Bay Lighting Fixture with Graphene Composite Heat Sink

100-200W



Graphene Composite Heat Sink



Artistic Impression of  
A Corrugated Graphene Sheet

### WHAT IS GRAPHENE

Graphene is an allotrope of carbon in the form of a two-dimensional, atomic-scale, hexagonal lattice in a honeycomb like structure. It is just one-atom thick but absorbs 2.3% of light so it can be seen with the naked eye. In 2004, two researchers at The University of Manchester eventually worked out to extract graphene from graphite and won the Nobel Prize in Physics for their pioneering work. Ever since then, the world's thinnest material is set to revolutionise almost every part of everyday life.

**Graphene and graphene composite materials have remarkable physical properties, therefore many promising commercial applications.**

- It is ultra-light yet immensely tough.
- It is 200 times stronger than steel, but it is incredibly flexible.
- It is the thinnest material possible as well as being transparent.
- It is a superb conductor both electrically and thermally and can act as a perfect barrier - not even helium can pass through it.



## LED High Bay Lighting Fixture with Graphene Composite Heat Sink

### PRODUCT FEATURES & BENEFITS

- System light efficacy 140 LPW
- 40% lighter in weight compared to regular LED highbay, easy installation / maintenance.
- Superior electrical and thermal conductivity.
- Much stronger and durable than steel, suitable for all tough environments.
- Tilted heat sink back design for easy wash-off.
- Eco friendly and recyclable.
- 5 Years warranty
- ETL, DLC4.2 PREMIUM, CE, RoHS, SAA, CB, WEEE

### TYPICAL APPLICATIONS

- Warehouse/Manufacturing Facilities
- Convention Centers/Sporting Arenas
- Big-Box Retail Stores
- Cold Storage Facilities
- Gymnasiums

### SPECIFICATIONS

#### PERFORMANCE

LED Chip	LUMILEDS
Color Temperature	4500~5500K (Standard) 2500~5500K (Optional)
CRI	≥70
Lumen Maintenance	L70>90,000 hours TM-21 Calculated
Input Voltage	100-277 VAC (200-480 VAC Optional) Dimming Optional
Power Factor	0.95 minimum
IP Rating	IP65

#### ENVIRONMENTAL

Operating Temperature	-30°C ~ 45°C / -22°F ~ 113°F
Storing Temperature	-40 °C ~ 80°C / -40°F ~ 167°F
Humidity	15% to 95% RH

#### PHYSICAL

Fixture Material	Graphene Composite Heat Sink
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#### WARRANTY

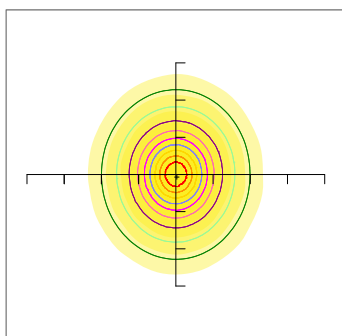
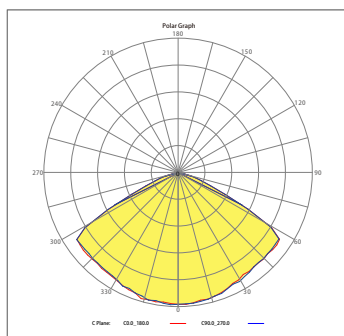
5 Years

## ■ Specifications




Part#	Power	Equivalent	Total Lumen	N.W	Product Dimensions
USHIBAYGR100WEL	100W	250W HID	14000lm	2.9kg/6.4lbs	280×280×162mm 11.0×11.0×6.4in
USHIBAYGR150WEL	150W	400W HID	21000lm	3.5kg/7.7lbs	320×320×159mm 12.6×12.6×6.3in
USHIBAYGR200WEL	200W	750W HID	28000lm	5.3kg/11.7lbs	325×325×183.5mm 12.8×12.8×7.2in

## ■ Photometrics

### 120° Dome Lens



## ■ Mounting Options & Accessories

Image	Applicable Power	Product Code	Product Description
	100W-200W	HR	Hang Ring
	100W-200W	PMT	Pendant Mount
	100W-200W	120PC	120° Lens (PC)

## ■ Bracket Assembly



Hanging Ring



Pendant Mount