

## Product Specification



**Product Name: LED High Bay light**

**Product Model: EFG-GKD-130W01**

Issued 09 – 11 – 2012

## Features:

- Uses high brightness LED chips with high colour rendering and lasts up to 50,000 hours, saving more than 50% of the energy used by a traditional High Bay light.
- Uses a grille texture mask to improve diffuse reflectance ensuring a soft look for the light and uniform light distribution.
- Works on 100-240V ~AC, which can easily replace the traditional light.
- Has a special circuit design where each LED chip works separately which means a single LED chip failure will not affect the entire lamp.
- Has good heat dissipation design which results in an up to 50% reduction of the weight when compared to a traditional light. Strong heat dissipation reduces the LED junction temperature and increase the life of the light.
- Is environment-friendly, starts quickly, has no flicker, no noise, no ultraviolet and infrared radiation and there is no mercury or other harmful substances so will not cause problems when the time comes to dispose of the light.

## Applications:

Any large open space, with relatively high ceilings, that requires Indoor lighting, such as factories, supermarkets, warehouses, indoor swimming pools, indoor sports centres etc.

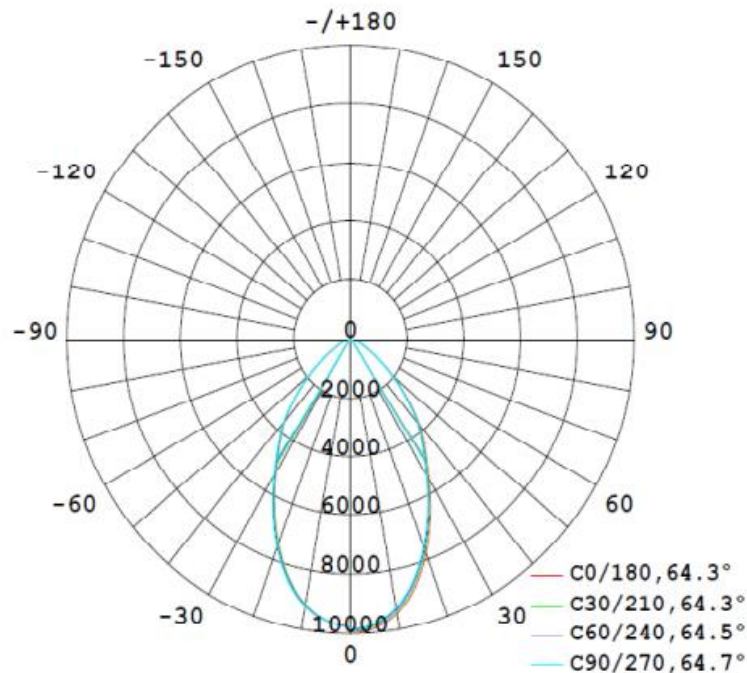
## Technical parameter :( $T_a=25^{\circ}\text{C}$ )

Number	Item	Parameter
1	Input Voltage	100 - 240V~ 50/60 Hz
2	Rated Consumption	140W
3	Power Factor	$\geq 0.95$
4	Color Temperature	3000 $\pm$ 300K 4000 $\pm$ 300K 5000 $\pm$ 300K
5	Luminous Flux	>12600lm (5000K) >12600lm (4000K) >11200lm (3000K)
6	Ra Color Index	$\geq 80$ (5000K) $\geq 80$ (4000K) $\geq 85$ (3000K)
7	Beam Angle	65°
8	Life Span	$\geq 30000$ Hours
9	Work Temperature	-30°C to +55°C
10	Storage Temperature	-40°C to +85°C
11	Net weight	$\leq 5.6\text{kg}$
12	LED Luminous Efficiency	>110lm/W (5000K) >110lm/W (4000K) >100lm/W (3000K)
13	The Whole Luminous Efficiency	>90lm/W (5000K) >90lm/W (4000K) >80lm/W (3000K)
14	IP Class	IP20
15	Installation Way	Suspended
16	Installation Height	6m–11m

Notes: All parameters conform to specific product type test.

**Optical parameter:**

**a. Lighting Distribution Curve:**



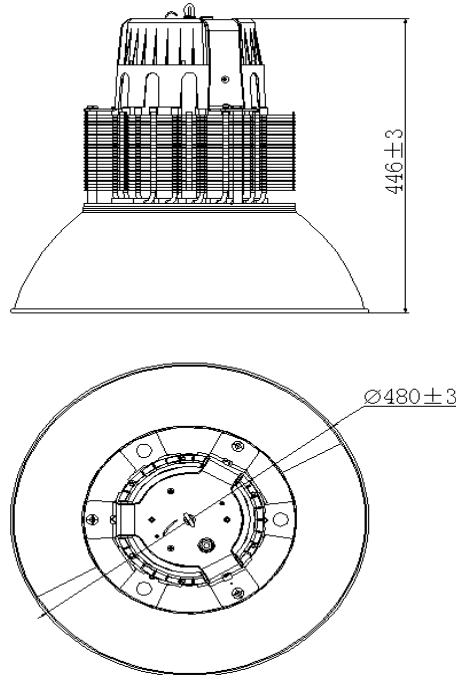
Average Beam Angle (50%) : 64.4 degree

**b. Illumination Intensity Chart**

Distance	Illuminated area	Illuminance		
		3000K	4000K	5000K
1m	1.28m <sup>2</sup>	8238 lx	8955 lx	9950 lx
3m	11.6m <sup>2</sup>	916 lx	995 lx	1106 lx
5m	32.2m <sup>2</sup>	330 lx	358 lx	398 lx
7m	63m <sup>2</sup>	168 lx	182 lx	203 lx
8m	82.5m <sup>2</sup>	128 lx	139 lx	155 lx

Notes: All testing data for 140W LED High Bay is based on natural conditions in dark room (for reference).

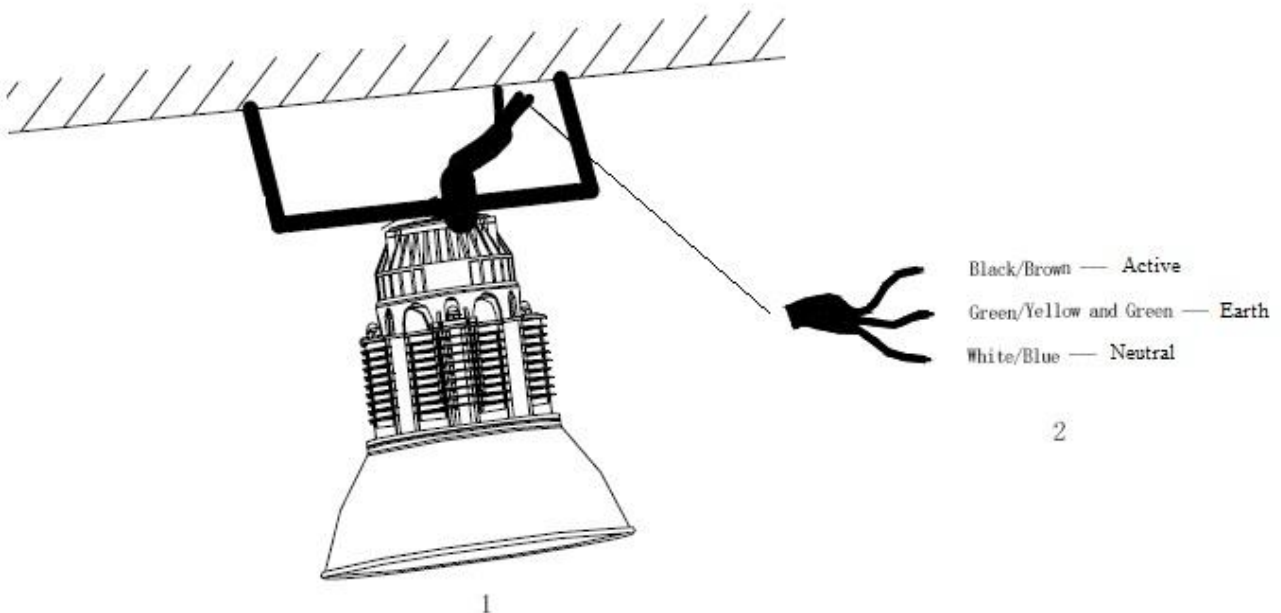
**Dimensions:**



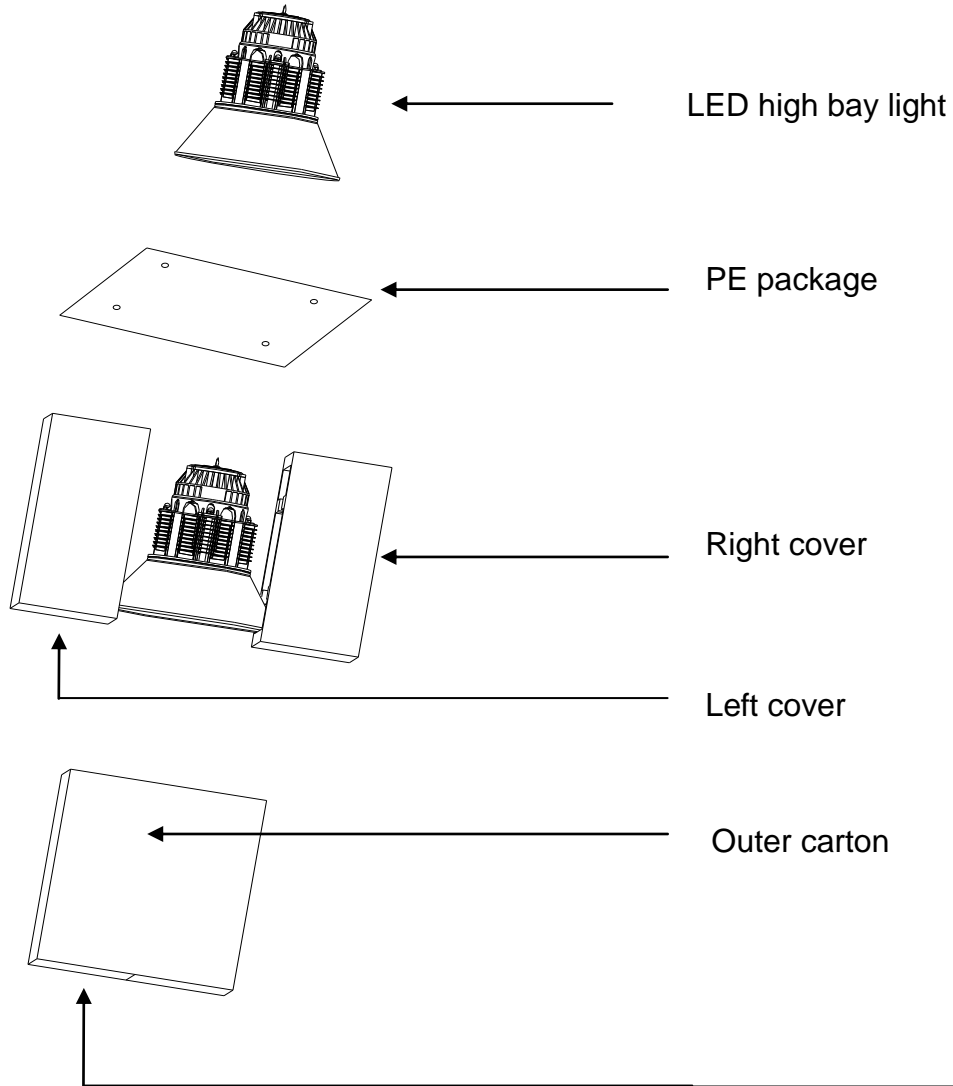
All dimension units are in millimeters.

**Installation:**

1. The light will need to be installed at the beam or suspended.
2. 100-240V~rated voltage, Black/Brown access Active wire, and White/Blue access Neutral wire, Green/Yellow and Green access Earth wire.



**Packing:**



Shipping label	
CUSTOMER NAME:	_____
ORDER NUMBER:	_____
PRODUCT NAME:	_____
----	_____
----	_____
D/C:	_____
S/N:	_____

As per the above table, the LED High Bay will be packed with a PE bag and covered by EPE before being put into the outer carton.

Packing information	
Packing quantity	1 pcs/box
Product net weight	5.6 kg/pcs
Product gross weight	8.5 kg/box
Outer packing size	Length *Width* Height=550*550*530

**Safety Notes:**

- Remove and dispose of packing before use.
- Installation and maintenance should always be performed by qualified electricians.
- Avoid directly looking into the LED light.
- Do not cover the light as it may adversely affect heat dissipation.
- Do not clean the lamp with corrosive chemicals or abrasives.
- Handle with care at all times.