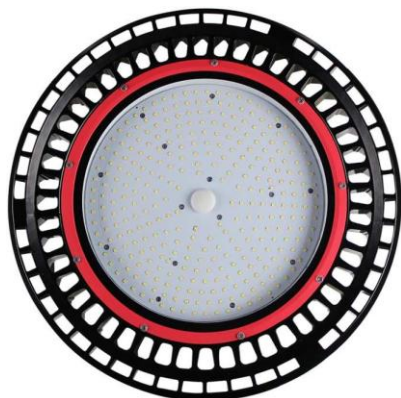


# Outdoor LED High Bay Light

YWHBGL-200

## Product Specification



LM-80



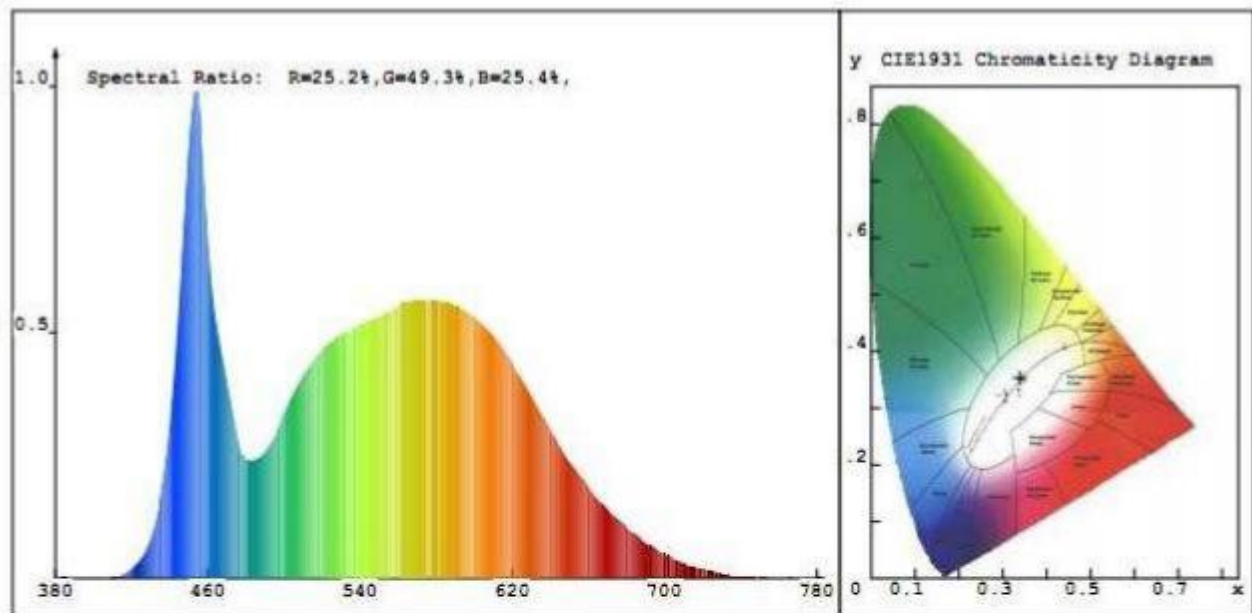
### ◆ Introduction

High power LED high bay light, using LUMILEDS SMD3030 LED, high transmission radiator. It can be widely used in energy-intensive, large amount electricity, long time using electricity environment. It can solve industrial waste electricity effectively.

### Technical Data

|                     |                          |
|---------------------|--------------------------|
| Model No.           | YWHBGL-200               |
| Max. Power          | 200W                     |
| Luminous Flux       | 26000LM                  |
| Luminous Efficiency | 130LM/W                  |
| Beam Angle          | 120°                     |
| Cover               | Tempered Glass           |
| CCT                 | 5000-5500K               |
| LED Chip            | Philips LUMILEDS SMD3030 |
| Driver              | Mean Well                |
| Input Voltage       | 100-240VAC               |
| Driver Efficiency   | > 0.9                    |
| Power Factor        | > 0.95                   |
| CRI                 | Ra≥80                    |
| Heat Sink Material  | ADC12 AL                 |
| Insulation Grade    | Class I                  |
| Working Tem.        | -30~+45℃                 |
| IP Code             | IP65                     |
| Light Body Colour   | Black                    |
| N.W.                | 7.4KG                    |
| Life Span           | >50,000 Hours            |
| Warranty            | 5 Years                  |

## Integrating Sphere Test Report



## Chroma Parameters

Chro.Coar.:  $x=0.3387$   $y=0.3535$   $u=0.2064$   $v=0.3231$   $duv=0.0036$   
 CCT: 5255K Dominant Wave.: 564.2nm Purity: 7.7%  
 Flux RGB Ratio:  $R=15.0\%$ ,  $G=81.6\%$ ,  $B=3.4\%$  Peak Wave: 453.8nm Half Width: 21.3nm

Rendering Index:  $R_a = 82.5$ 

|            |               |               |               |               |               |               |            |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| $R_1 = 80$ | $R_2 = 88$    | $R_3 = 92$    | $R_4 = 80$    | $R_5 = 81$    | $R_6 = 85$    | $R_7 = 88$    | $R_8 = 66$ |
| $R_9 = 2$  | $R_{10} = 72$ | $R_{11} = 79$ | $R_{12} = 59$ | $R_{13} = 82$ | $R_{14} = 96$ | $R_{15} = 75$ |            |

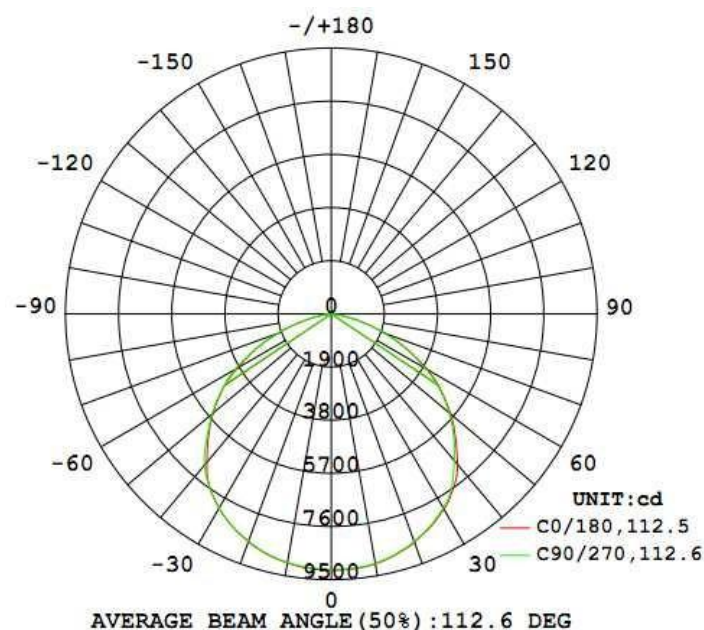
## Photo Parameters

Flux: 26856.9lm Effi.: 130.5lm/W Radiant: 91810.5mW Iv: 0.0mcd

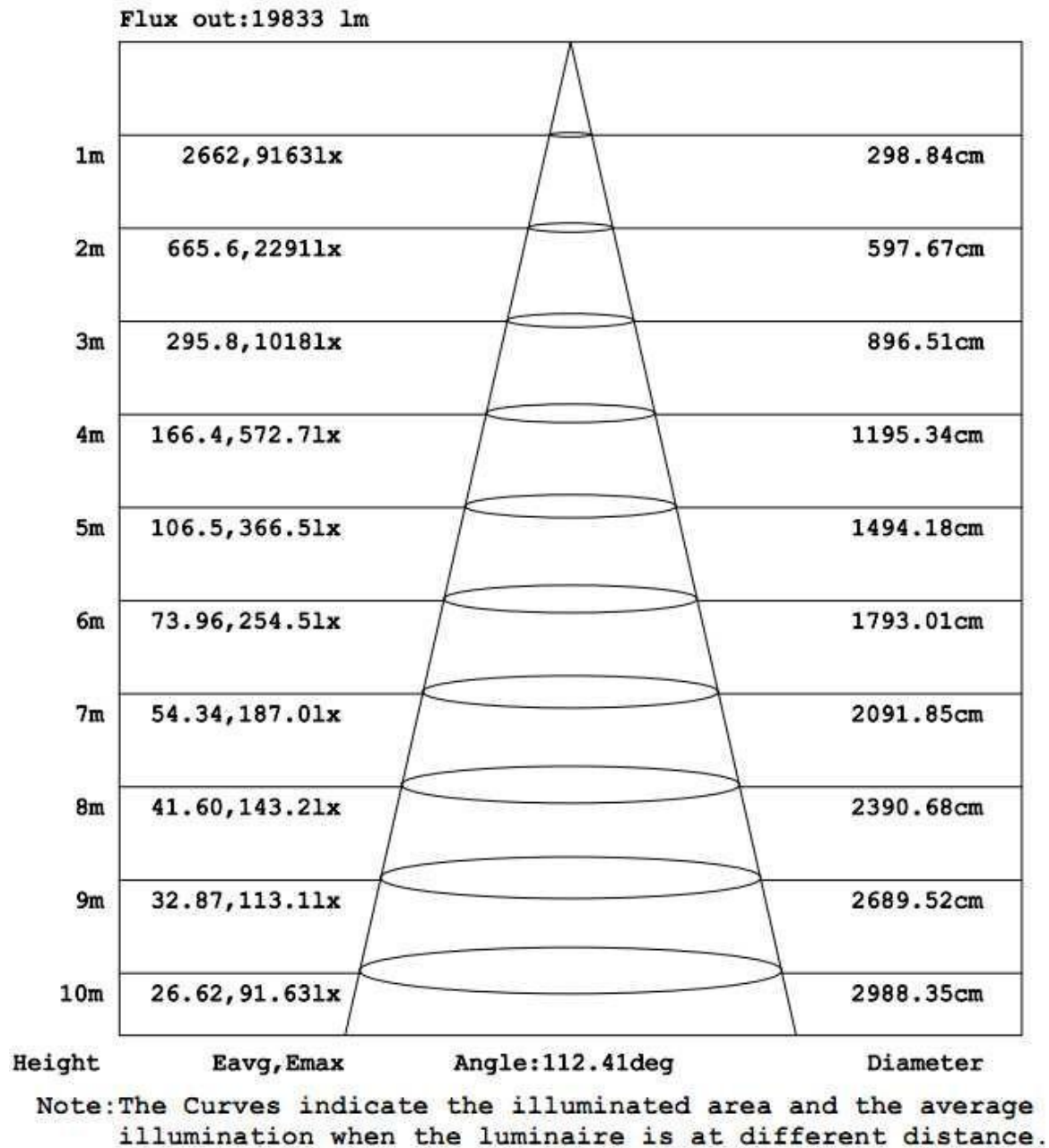
## Ele. Parameters

Voltage:  $U=240.200V$  Current:  $I=0.8910A$   
 Power:  $P=205.80W$  Power Factor:  $PF=0.961$

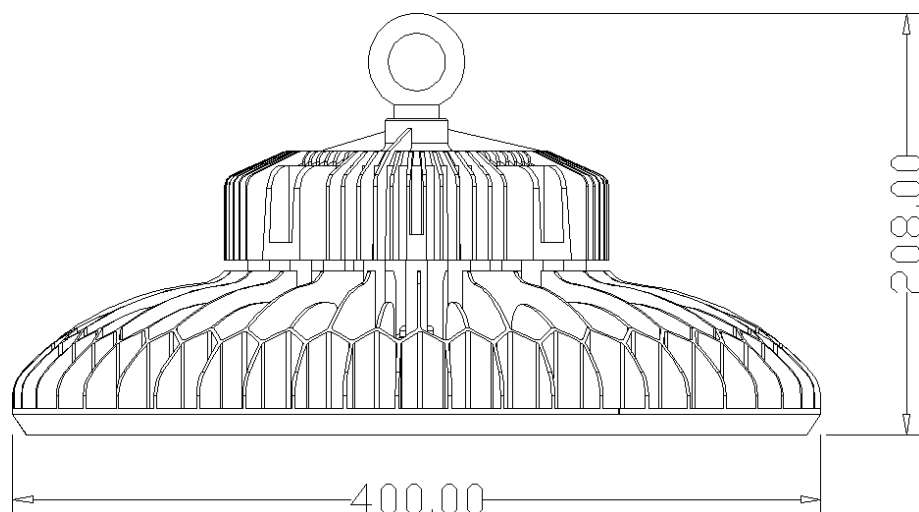
## Luminance Distribution



## Illuminance Diagram



## Outer Size Diagram



## Product Attribute

- Adopts SMD3030 source design, high thermal conductivity, low lumens depreciation and uniform light color
- High PFC, Long lifespan >50,000 hours, low carbon and lead free
- Resistance to fluctuation
- Protection with short circuit, over current, over voltage and over temperature
- 100% full capacity aging testing
- Instant start-up
- Excellent appearance design, easy installation, easy disassembly, and wide application

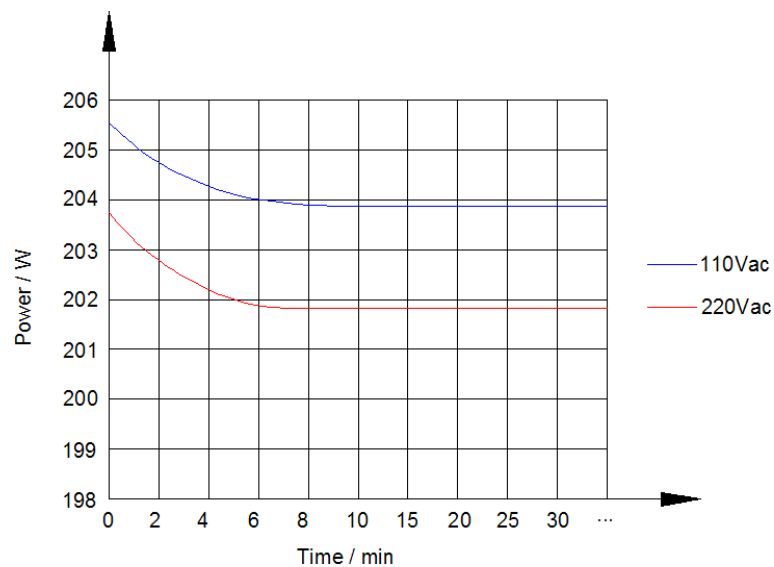
## Application

Only for indoor use, such as workshop, warehouse, toll station, supermarket, exhibition hall, gymnasium and other indoor illumination places.

Not suitable places: Outdoor, high dust, high oil, inflammable or low noise required places.



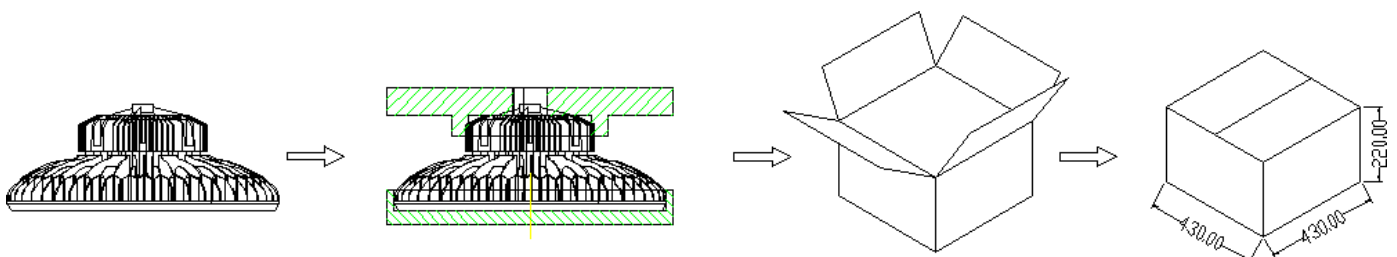
## Power / Time



## Packaging

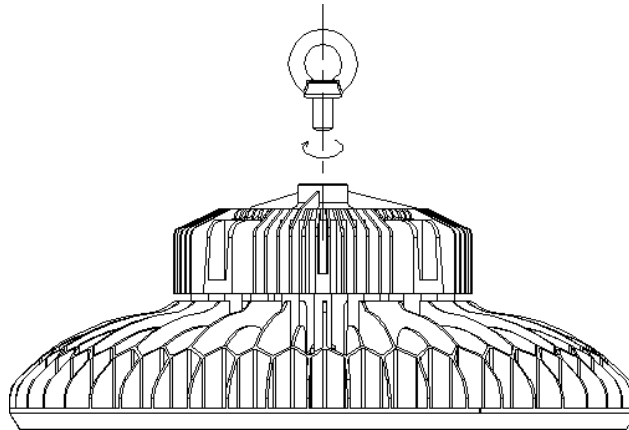
**DATA:** 43.0×43.0×22.0CM (1 PCS/CTN)

N.W: 7.4KG G.W: 8.4KG

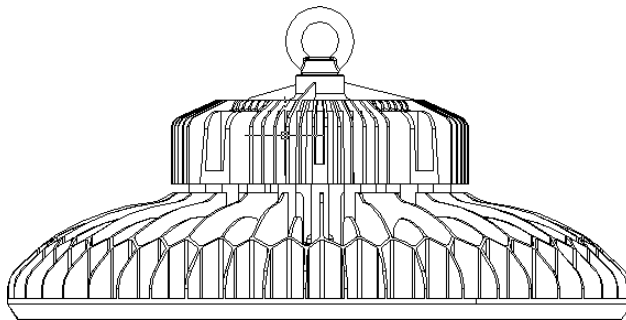


## Installation Method

**Pic.1 Installation Hook**



**Pic.2 Finish**



**Note:**

1. Installation hook: Screw the hook into hole clockwise. ( as Pic. 1 )
2. As Pic.2, the installation finished

## Installation Caution

Installation should be done by professional electricians.

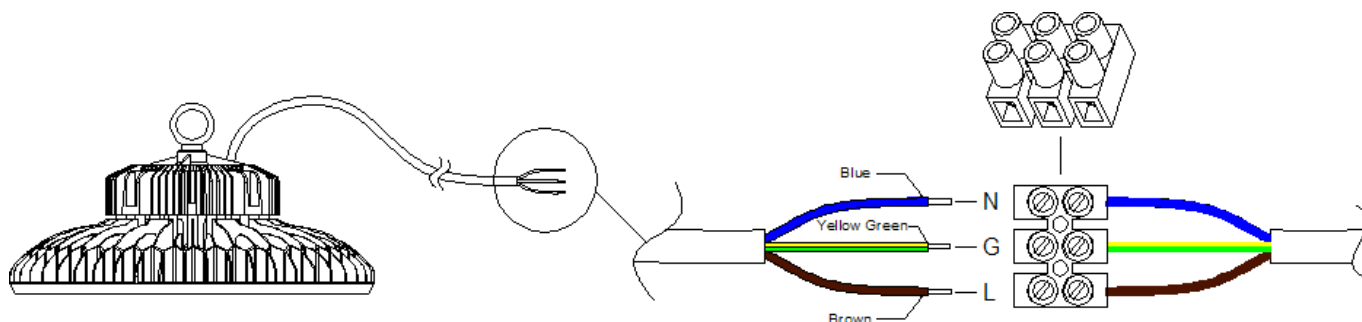
Please make sure all power is turned off before installation completed.

Please ensure the power supply wire grounding is normal.

Please ensure the hook tighten well.

- When connecting wires, don't make any frictions or drop off the product, otherwise will cause damage.  
Be sure to install the lights correctly, the power cord bare wire must be connected with insulation protection.  
When connecting wires, should clearly know Neutral wire , Earth wire and Live wire to assure safety. After examination, switch on.
- Don't cover anything on or touch the emitting section and the heat sink during lighting.
- The luminaries should be positioned so that prolonged staring into the luminaries at a distance closer than 3 m is not expected".  
Luminaries has two degrees of protection provided: IP65 for LED module part, IP20 for another parts.

## Power Supply Connection



1. If the Power cord of this luminaries is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
2. Non –user replacement light source : "The light source contained in this luminaries shall only be replaced by the manufacturer or his service agent or a similar qualified person."



Caution, risk of electric shock

3. A wiring device shall be provided for connection to a branch circuit. The wiring device shall be rated for the temperatures, locations, voltage, and current encountered during normal operation.

For Example

- 3 PIN Screw less terminals
- Rated voltage 250V
- Rated connecting capacity 1.5-2.5mm<sup>2</sup>
- Conductors be tinned
- If necessary please provide the wiring compartment placed the terminal block

## Trouble Removal & Maintenance

### • Trouble removal ( Non professionals should not disassemble the lamp.)

Fault finding and solutions: When examination, observe any change in colour circumstances at LED source appearance or damage, any obvious breakage of connections, loose power supply connections, any short circuit, any obvious damage condition please replace with new LED source or driver.

| Defect                | Possible factors                | Solutions                                 |
|-----------------------|---------------------------------|---|
| LED source not bright | Wrong connecting wires          | Loose the screws, re-connecting the wires |
|                       | LED source damage               | Replace LED source                        |
|                       | Power failure                   | Replace LED driver                        |
| LED source flicker    | Virtual power supply connecting | Loose the screws, re-connecting the wires |
|                       | Input voltage fluctuation       | Confirm input voltage                     |
|                       | Power failure                   | Replace LED driver                        |



- **Maintenance**

1. Please make sure all power turned off before maintenance.
2. Clean the shade surface periodically, to keep good reflectivity.
3. Clean the lamp heat sink periodically, to keep good heat dissipation.
4. Clean with dry cloth, don't use water or corrosive liquid.
5. When replace driver, connect the wires as follows: AC Power supply three core wires, connect power input : brown line connect with the "L", blue line connect with the "N", yellow-green or yellow line connected into the lamp body of insulation. Light source lead to connect power output: the red connection with the light source is the positive (red line), the black thread and the light source cathode (black line), positive and negative must not be connected wrong.

## Guarantee Clause

- **Product guarantee**

SHENZHEN YOUWIN OPTRONICS CO., LTD guarantee within 5 years from delivering to customers,. We will be responsible for repair and replacement, if any conditions such as not bright or flicker of LED source under right preservation, installation, usage and maintenance.

- **Disclaimer and limitation**

1. Under any circumstances, any quality problems compensation should be within the guarantee period.
2. The product guarantee does not include: Product damage caused by.
  - 2.1 The negligence of storage, transportation or improper handling.
  - 2.2 Incorrect operation or not proper usage of product.
  - 2.3 Any damage caused by repair or modifications from unauthorized person.
  - 2.4 Caused by the forces of nature, irresistible factors of product damage, such as Earthquakes, typhoons, tornadoes, volcanic eruptions, floods, lightning, heavy snow, war, etc.
3. If the product serial number has been changed, altered or blur, it will no longer enjoy the corresponding guarantee.
4. This guarantee is not responsible for repair or replacement of the transport, customs clearance fee.

**Remark:**



Correct Disposal of this product. This marking indicates that this product should not be disposed with other

household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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