

UFO HIGH BAY LIGHT

EL Series Product picture



Introduction

- Automatic dimming when used in combination with 1-10V dimmable LED drivers or ballasts.
- Built-in adjustable daylight sensor.
- 1-10V interface can match up with Merrytek stand-alone daylight sensor HG-HL dimming and achieve daylight harvesting.
- Detection area, time delay and daylight threshold can be precisely set via DIP switch.
- Wide detection area, range up to 16m in diameter and mounting height 15m Max. suitable for warehouse use. Optional mounting brackets for different application.



Max. 8M



Hold Time
5s-30min



Mounting Height
15m Max.



Automatic
Dimming



5 Years
Guarantee

The HG-HL Dimming sensor is innovative and active motion detectors with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials, except the higher mounting height 15m Max. The sensors allow energy saving without compromising comfort.

When used in combination with 1-10V dimmable LED drivers or ballasts, they can achieve 3-step dimming function, which is perfect for use in some areas that require a light change notice before totally switch off. Also, the 1-10V interface in the sensors can match up with Merrytek stand-alone daylight sensor MS01, and implement daylight harvesting, means the lighting system has automated controls that either turn off or dim artificial light in response to the available daylight in the space.

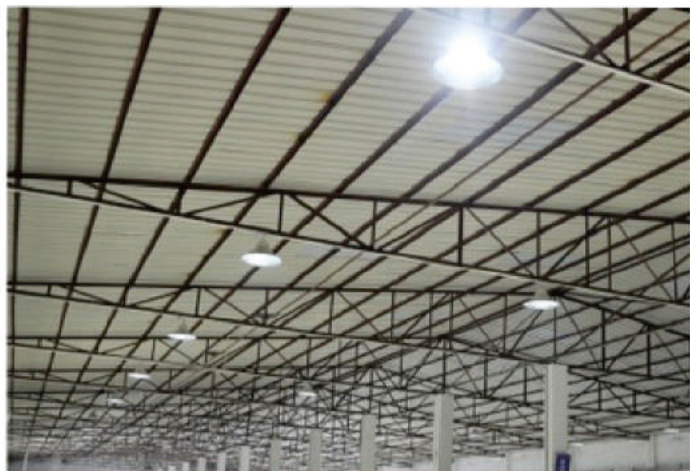
Product features

- 1、 European and American design style , high quality aluminum die casting, painting process, round shape design, never fade, cracking prevention.
- 2、 Circulation cooling design, aluminum casting process, high index, low heat resistance, low decay long life.
- 3、 SMD3030 led chips, high CRI, low luminance decrease, high light efficiency 190-210 lm/w, brighter luminance and longer lifespan.
- 4、 HG series driver, ferse structure, good heat dissipation, high power factor, also can match with smart control system like Dali and ZigBee. Voltage of resistance to surge is 6000V, surge current is 65A.

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Product Applications

UFO High bay light series can be widely used in Industry、Large commercial facilities、Public、Logistics Center.



Industry
production workshop, assembly line
all kinds of processing sites



Large commercial facilities
Supermarkets, shopping centers
convention and exhibition center
aisle, exhibition hall



Public
Gymnasium, indoor stadium
parking garage



Logistics Center
Warehouses, logistics centers
and so on

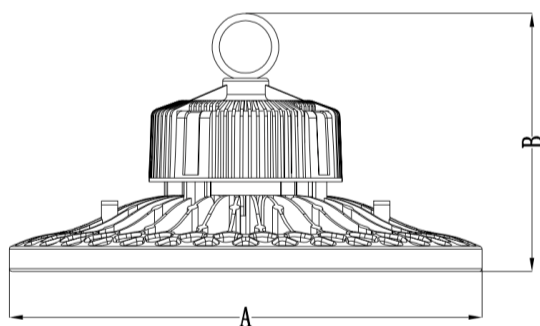
Specifications

Unit: inch (mm)

Structure Features

Shell materials: Aluminum & PC.

Finish: Dark Bronze/White



Technical Parameters

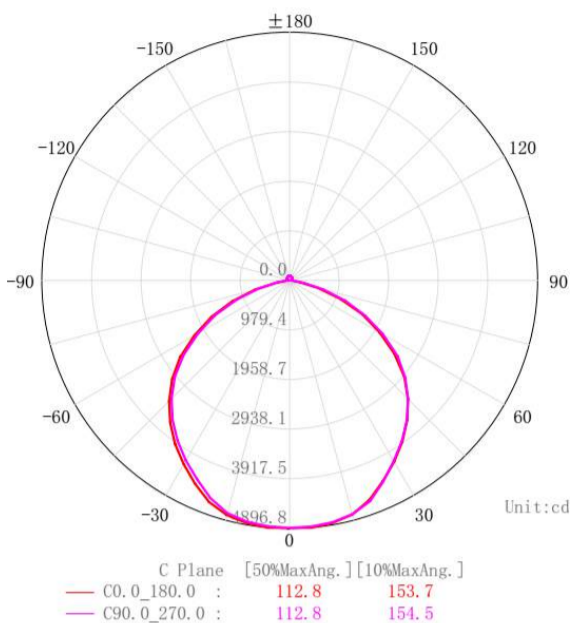
Part No.	Power	Product Dimension(mm)		LEDs Qty	Effect of light(Lm/W)	Light Angle	Input Voltage	CCT(K)	CRI	PF	IP Rate
		L	H								
CH-EL-100W-R	100W	φ 350	210	161PCS/3030	130	90°/120°	AC100-305V	4000/5000/6000	Ra>80	>0.94	IP65
CH-EL-150W-R	150W	φ 350	210	224PCS/3030	130	90°/120°	AC100-305V	4000/5000/6000	Ra>80	>0.94	IP65
CH-EL-200W-R	200W	φ 350	210	322PCS/3030	130	90°/120°	AC100-305V	4000/5000/6000	Ra>80	>0.94	IP65
CH-EL-240W-R	240W	φ 350	210	364PCS/3030	130	90°/120°	AC100-305V	4000/5000/6000	Ra>80	>0.94	IP65

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Photometry

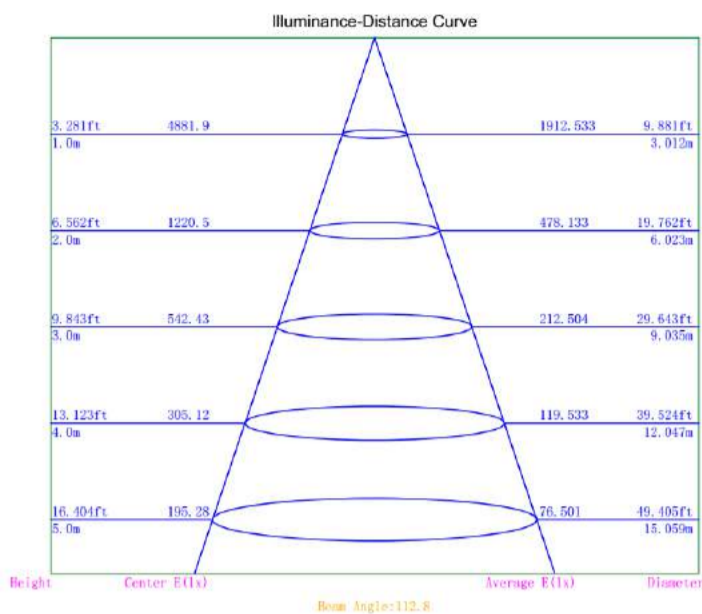
Light distribution curve drawing

C Plane Distribution Diagram



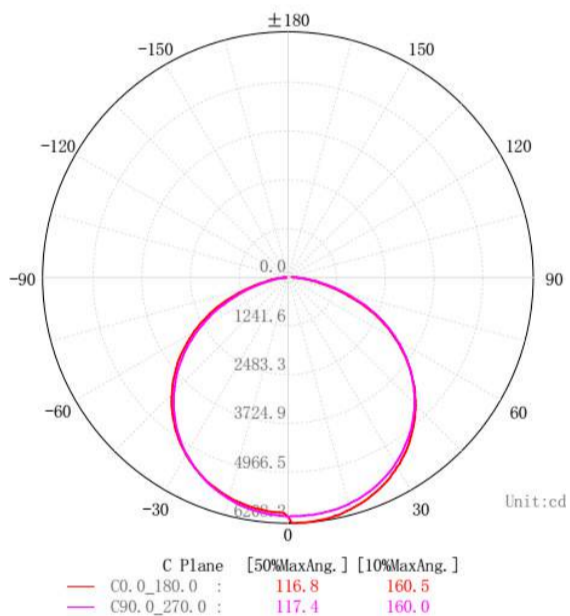
Note: Light distribution curve drawing for EL-100W

Illumination Distribution Drawing



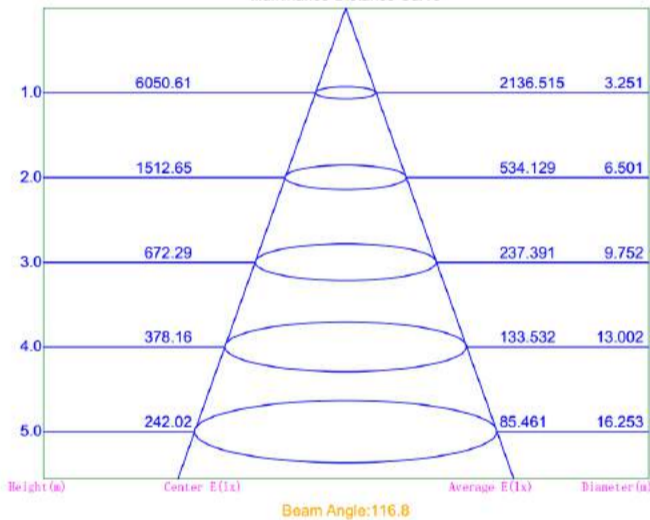
Note: Illumination distribution drawing for EL-100W

C Plane Distribution Diagram



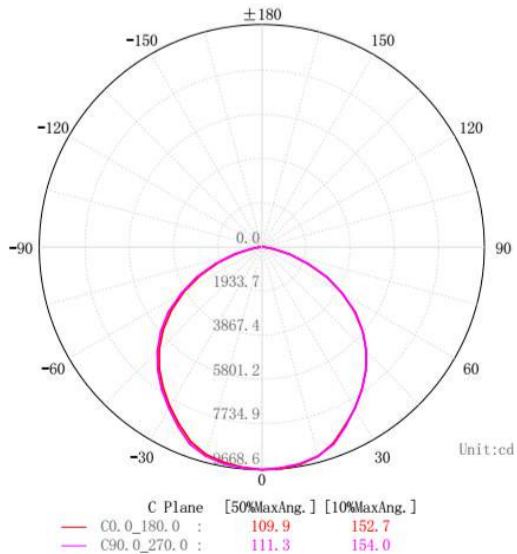
Note: Light distribution curve drawing for EL-150W

Illuminance-Distance Curve



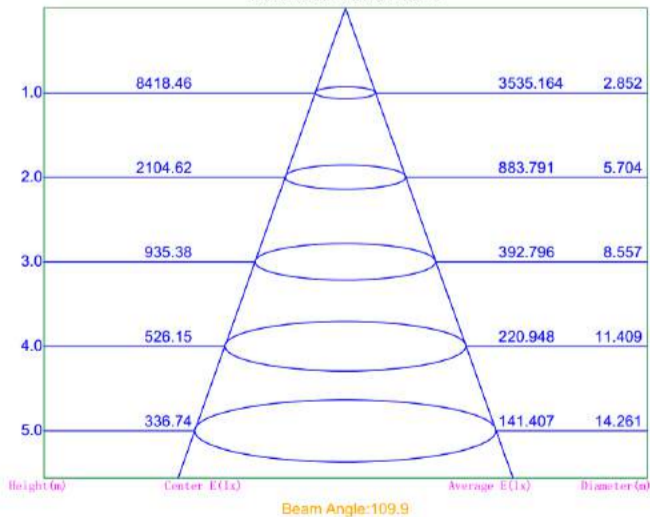
Note: Illumination distribution drawing for EL-150W

C Plane Distribution Diagram



Note: Light distribution curve drawing for EL-200W

Illuminance-Distance Curve



Note: Illumination distribution drawing for EL-200W

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Installation & Warranty

Troubleshooting

Problem	Possible Cause	Solutions
LEDs stop working	The power line is improperly connected.	Reconnect the power cable.
	The power plug is loose.	Firmly plug the power in.
	The LED driver malfunctions.	Replace with new driver.
	The LED chip is damaged.	Replace with new LEDs.
LEDs flash on and off	The output of the driver is abnormal.	Replace with new driver.
	The LED chip breaks down.	Replace with new LED chip.

Warranty

5 years warranty for original purchaser of LED product that is identified on seller's invoice reflecting its original purchase (the "Product").

1. In order to make a warranty claim, you must notify seller in writing within sixty(60) days after your discovery of the defect, provide proof of purchase such as the invoice and comply with seller's other warranty requirements. Upon receiving that notice, to ascertain why fixtures stop working, evidences would be needed for seller's QC Team to analyze. Seller may require you to promptly return the Product to Seller when necessary, freight prepaid.

2. The determination of whether the Product is defective shall be made by Seller in its sole discretion with consideration given to the over all performance of the Product.

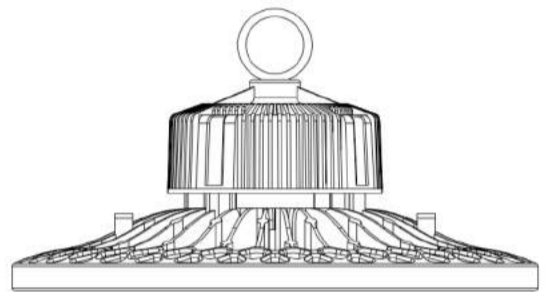
3. If seller determines the Product is defective, Seller will elect, in its sole discretion, repair the Product or replace the Product. Seller reserves the right to utilize new, reconditioned, refurbished, repaired or remanufactured products or parts in the warranty repair or replacement process. Such products and parts will be comparable in function and performance to an original product or part, as determined by Seller in its sole discretion, and warranted for the remainder of the original warranty period. However, cost of labor and equipment to remove the defective product and install a repaired or a replacement Product at the end-user facility are excluded. Supplier's aggregate liability with respect to a defective product shall in any event be limited to the money paid to buyer for that defective product.

The following circumstances will not be warranted:

1. Damage caused by force majeure such as war, riots, sabotage, cyclones, earthquakes, tidal waves, flooding, lightning strikes, explosions, fire, flood, etc.
2. Damage caused by user's improper delivery, defects caused by wrong operation, wrong treatment and destruction of machinery.
3. Dismantling or modification or improper maintenance or repairing of the products without the supplier's authorization.
4. Damage caused by buyer or installer using bad quality cable or other mismatching electronic parts.
5. This warranty is invalid if the product is not used for the purpose for which is originally designed. Any disputes occurred shall be applied to the laws and regulations of P.R.C.

The seller has the sole right to interpret and amend the above articles.

LED High Bay Light Instruction Manual



100W/120W/150W/200W/240W Universal



Reminder

We appreciate your purchase!
Please read the instruction manual before installation and keep it for future reference.

Warning

1. To avoid damage, falling, electric shock or fire, please do not modify the lamp or replace accessories without confirming with the supplier first.
2. Please authorize only qualified personnel to install the lamp and ensure they follow the instruction manual. Any improper installation might cause falling, electric shock, fire, or other injury, damage or hazard.
3. Please disconnect power before installation or any maintenance of the lamp.
4. Please disconnect power if it begins to smoke or emit odors, since fire or electric shock may occur. Ask qualified person to inspect and maintain the luminaire.
5. Please do not dismantle the lamp without the supplier's authorization.
6. Please do not touch the power supply when the lamp is operating.
7. If the external flexible cable or cord of the luminaire is damaged, it should only be replaced by the supplier, a service agent or qualified person.

Application

With unique high-purity die-cast aluminum heat sink, high-brightness SMD chip, high-efficiency constant current and constant voltage power driver, the MINI LED high bay is designed for factories, workshops, warehouses, highway toll stations, gas stations, supermarkets, exhibition halls, stadiums and similar applications.

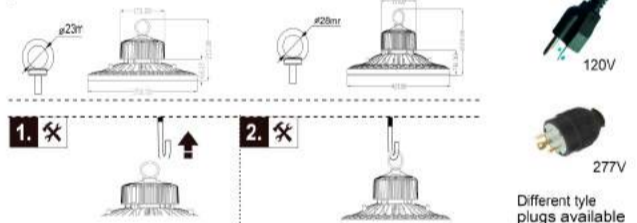
Technical Parameters

Product Specifications	100W	120W	150W	200W	240W
Input Voltage	AC100~240V / AC100~277V / AC200~480V				
Power Frequency	50 / 60Hz		50 / 60Hz		
CRI	Ra80		Ra80		
Beam Angle	60° 80° 120°		60° 80° 120°		
IP Rating	IP65		IP65		
Outlook Dimensions	640*405*220mm(2pcs)			775*495*245mm(2pcs)	
Luminaire Net Weight	4.2±0.1kg	4.7±0.1kg	5.2±0.1kg	6.6±0.1kg	
System Efficacy	130lm/w(C CT=5000K)		130lm/w(C CT=5000K)		
Power Factor	>0.95		>0.95		
Lifespan	≥50000Hrs(LM80@35°C)		≥50000Hrs(LM80@35°C)		
Working Temperature	-40 ~ +50°C		-40 ~ +50°C		
Working Humidity	15% ~ 90%RH		15% ~ 90%RH		
Storing Temperature	-40 ~ +70°C		-40 ~ +70°C		

Installation Instructions

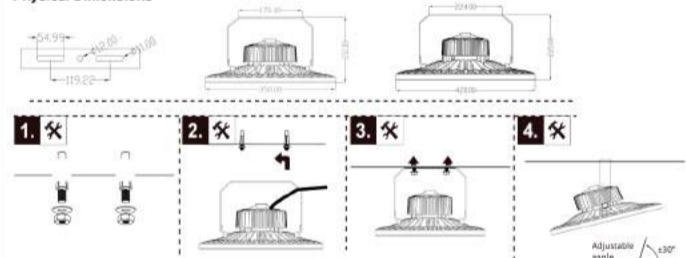
A. Loop hanging installation

Physical Dimensions



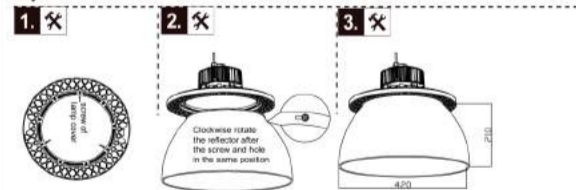
B. Adjustable surface mount installation

Physical Dimensions



C. Installation of Reflector

Physical Dimensions



Wiring Diagram

Line	Color 1	Color 2	Function	
L	brown	black	Dimmable	
N	blue	white		
⊙ GND	yellow/green	green		
DIM+	blue	brown	purple	white
DIM-	white	blue	gray	black