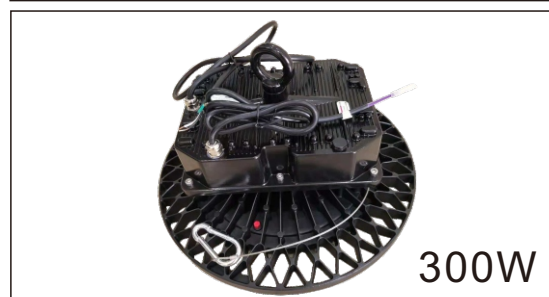


### HG-HL-XXW-C/D/E Series



## 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-HLdimming 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.



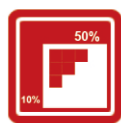
Max.8M



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 requires 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 inresponse to the available daylight in the space.

## Product Features

1. European and American design style, high quality aluminum die casting, DUPONT powder painting process, round shape design, never fade, anti-cracking.
2. Adopt aerodynamic design, take heat away quickly, keep low temperature for heat sink and LED chip for longer lifespan and higher light efficiency.
3. SMD3030 led chip, high CRI, light efficiency up to 190-210lm/w, only 50% used for 1W led chip, low light decay and longer lifespan.
4. SOSEN-C series driver, high power factor, high conversion efficiency, THD<15%, Anti-surge voltage 6000V, surge current 65A (test t width=425us at AC230V/50%Ipeak).

Product Applications

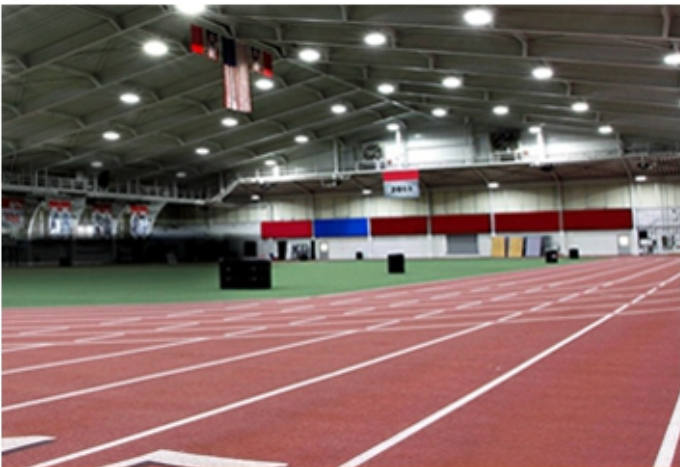
UFO High bay light series can be widely used in Industry, Large commercial facilities, Public, Logistics Center.



**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

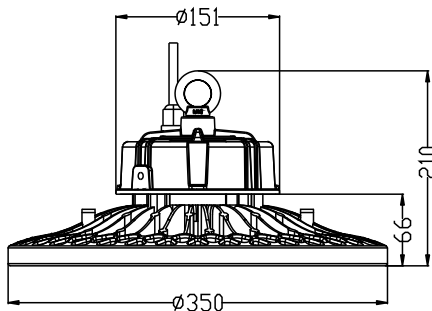
Specifications

Size:mm/in

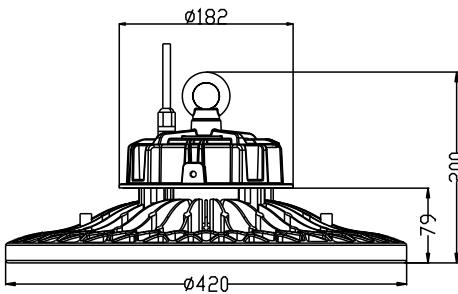
Structure Features

Shell materials: Aluminum & PC.

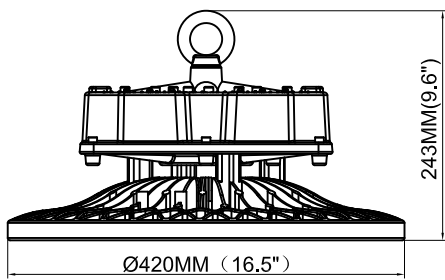
Finish: Dark Bronze/White



100W-200W



240W

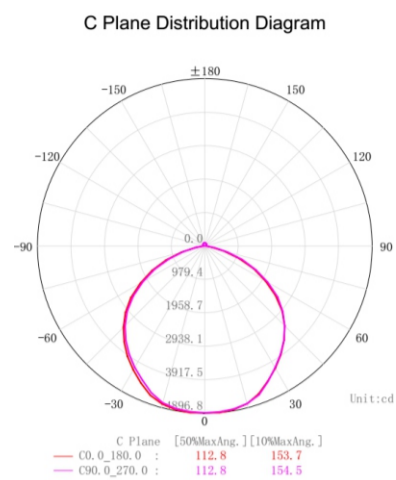


300W

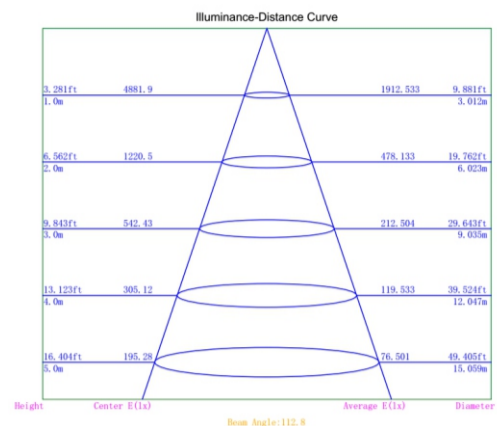
Technical Parameters

Model	Power	Input Voltage	LED Chip	Product Dimension(mm)		Beam Angle	CRI	Light Efficiency	PF	IP Rate
				L	H					
HG-HL-100W-C(DE)	100W	AC100-277V	2835/3030/5050	φ 350	210	60°/90°/120°	Ra>80	>130lm/w	>0.9	IP65
HG-HL-120W-C(DE)	120W	AC100-277V	2835/3030/5050	φ 350	210	60°/90°/120°	Ra>80	>130lm/w	>0.9	IP65
HG-HL-150W-C(DE)	150W	AC100-277V/ AC200-480V	2835/3030/5050	φ 350	210	60°/90°/120°	Ra>80	>130lm/w	>0.9	IP65
HG-HL-200W-C(DE)	200W	AC100-277V	2835/3030/5050	φ 350	210	60°/90°/120°	Ra>80	>130lm/w	>0.9	IP65
HG-HL-240W-C(DE)	240W	AC100-277V/ AC200-480V	2835/3030/5050	φ 420	200	60°/90°/120°	Ra>80	>130lm/w	>0.9	IP65
HG-HL-300W-C(DE)	300W	AC100-277V	2835/3030/5050	φ 420	243	60°/90°/120°	Ra>80	>130lm/w	>0.9	IP65

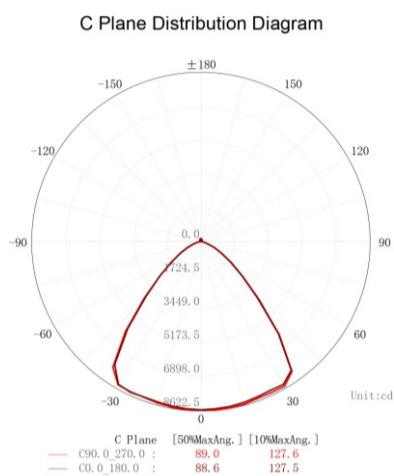
## Illumination Distribution Drawing



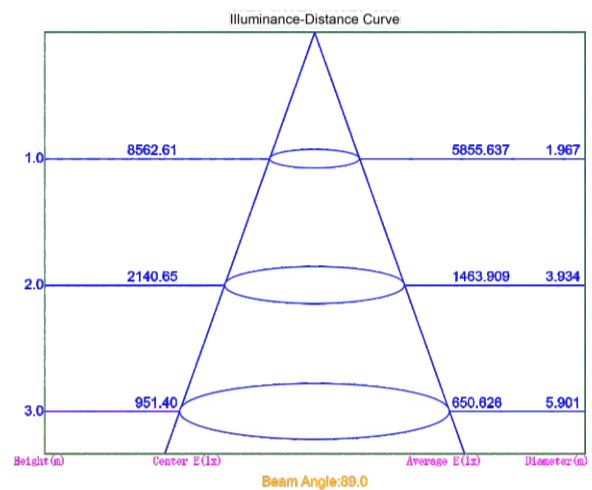
Note: Light distribution curve drawing for HL-100W



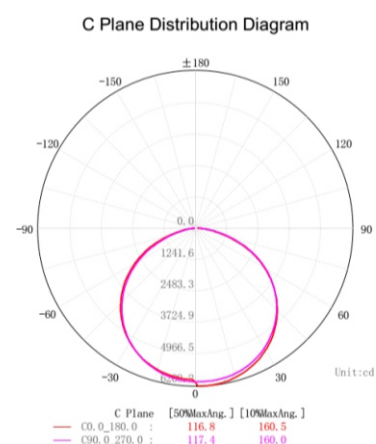
Note: Illumination distribution drawing for HL-100W



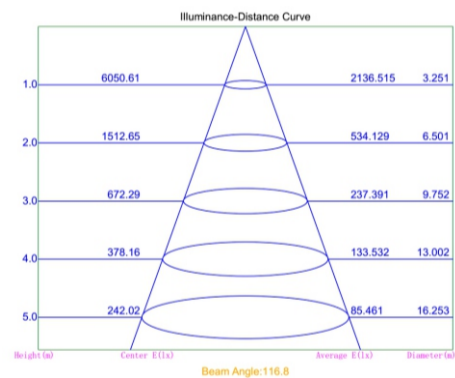
Note: Light distribution curve drawing for HL-120W



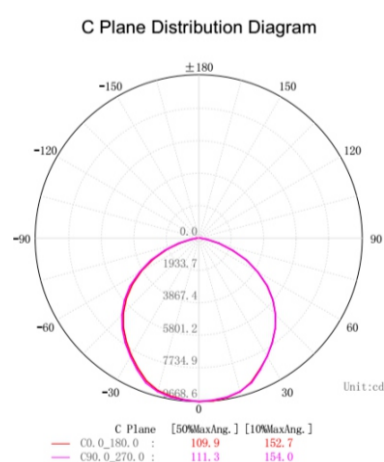
Note: Illumination distribution drawing for HL-120W



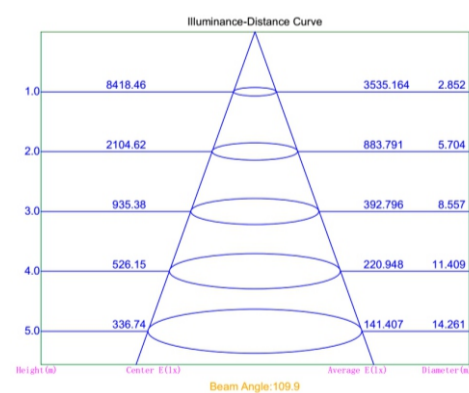
Note: Light distribution curve drawing for HL-150W



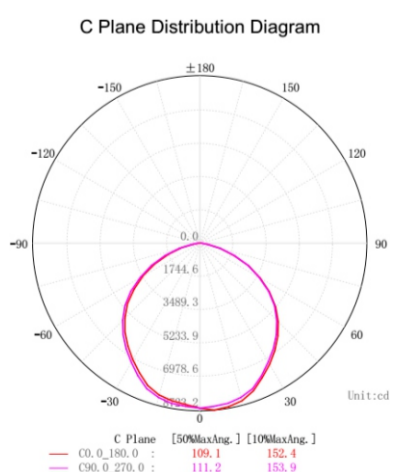
Note: Illumination distribution drawing for HL-150W



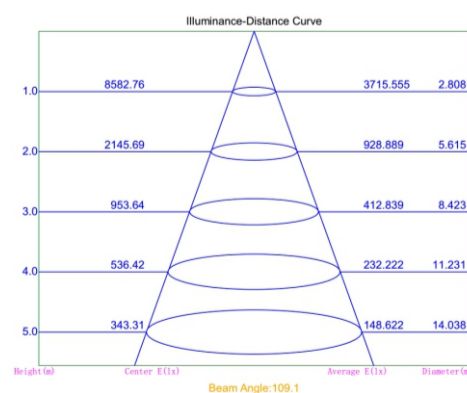
Note: Light distribution curve drawing for HL-200W



Note: Illumination distribution drawing for HL-200W



Note: Light distribution curve drawing for HL-240W



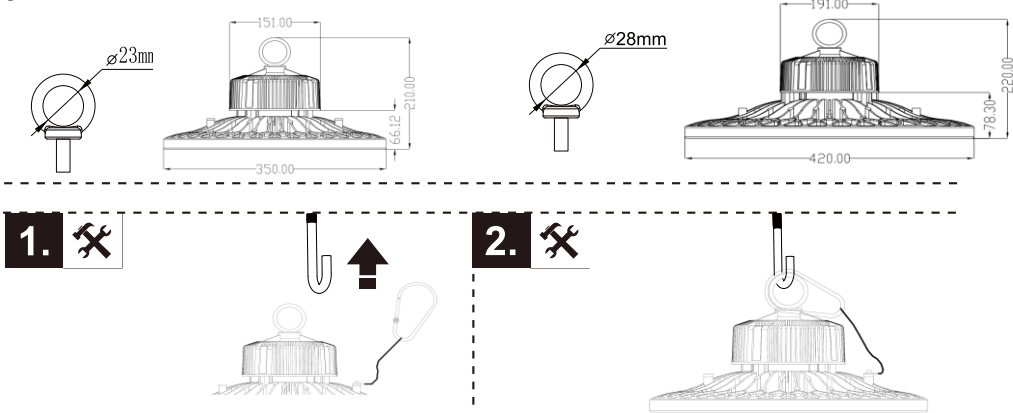
Note: Illumination distribution drawing for HL-240W

The installation diagram

Installation Instructions

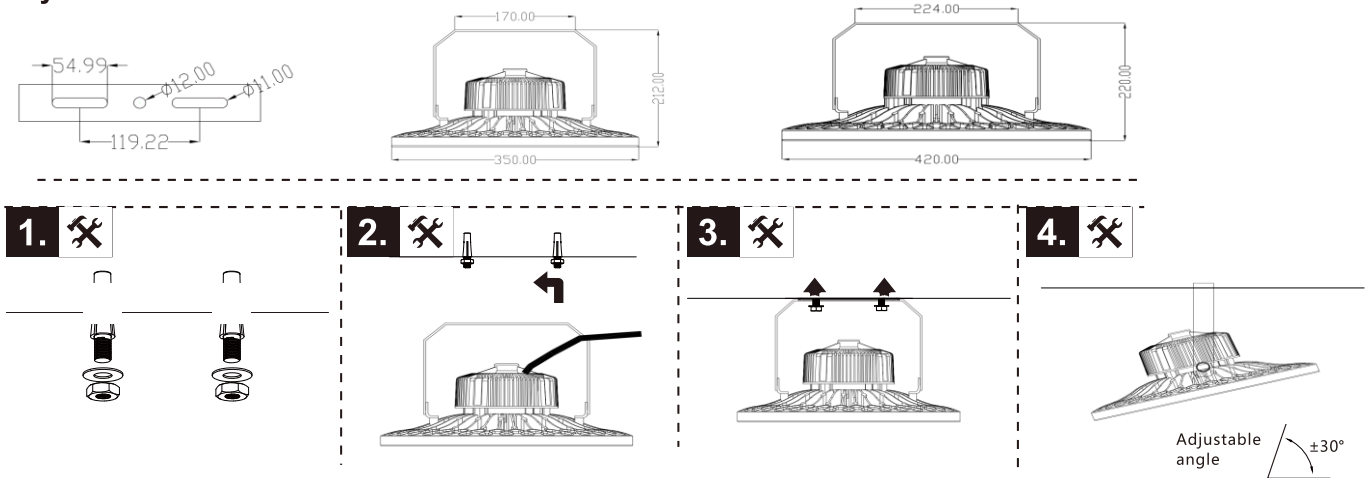
A. Loop hanging installation

Physical Dimensions



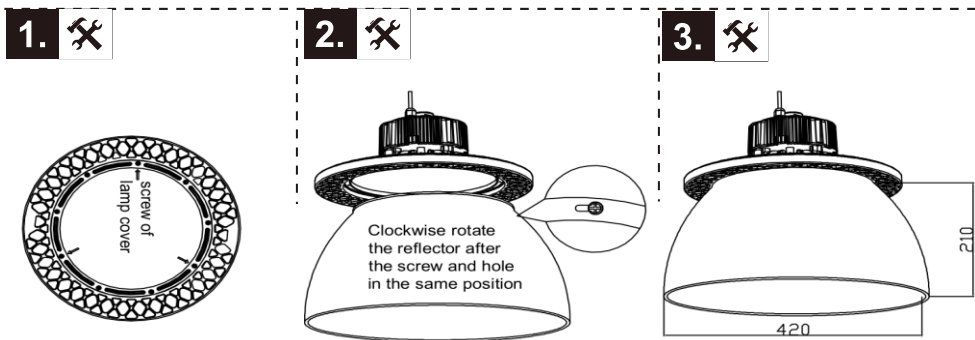
B. Adjustable surface mount installation

Physical Dimensions



C. Installation of Reflector

Physical Dimensions



Wiring Diagram

L	brown	black	Dimmable			
N	blue	white	DIM+	blue	brown	purple
⊕ GND	yellow/green	green	DIM-	white	blue	gray

Notes

1. Avoid dropping of LED High Bay light, otherwise High Bay light will be damaged;
2. Forbid to install the High Bay light when power on. before power on , please Make sure that wiring is correct once installation finished;
3. Ensure stable installation and correct connection to avoid short -circuit damage to the High Bay light and causing fire hazard;
4. Please do not stare at the High Bay light for a long time when it is working to protect your eyes;
5. Only professional personnel may dismantle and repair.