



- 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 ALUFO 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 ALUFO 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 in response 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% peak).

LIGHTING UP THE WORLD  
WITH ONE BULB AT A TIME!

### APPLICATIONS

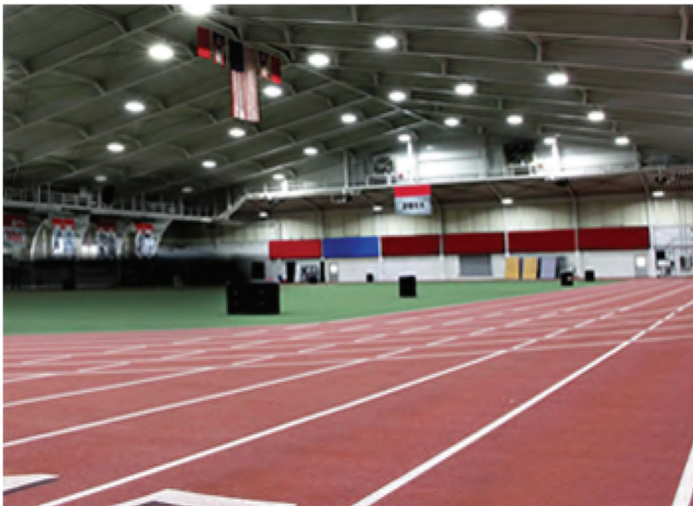
UFO High bay light series can be widely used in Industry, Large commercial facilities, Public, Logistics Center.



**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

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### TECHNICAL PARAMETERS

Typical Model	Typical Power	Input Voltage	LED Type	Dimension(mm)		Working Temperature	Beam Angle	CCT(K)	Ra	Effect of light(Lm/W)	PF	IP Rate
				D	H							
ALUFO-100W-C(DE)	100W	AC100-277V AC200-480V	2835/3030/5050	350	210	-20°C-40°C	120°/90°/60°	3000/4000/5000/5700	70/80	130@Ra 80 160@Ra 70	>0.9	IP65
ALUFO-150W-C(DE)	150W	AC100-277V AC200-480V	2835/3030/5050	350	210	-20°C-40°C	120°/90°/60°	3000/4000/5000/5700	70/80	130@Ra 80 160@Ra 70	>0.9	IP65
ALUFO-200W-C(DE)	200W	AC100-277V AC200-480V	2835/3030/5050	350	210	-20°C-40°C	120°/90°/60°	3000/4000/5000/5700	70/80	130@Ra 80 160@Ra 70	>0.9	IP65
		AC100-277V AC200-480V	2835/3030/5050	420	200	-20°C-40°C	120°/90°/60°	3000/4000/5000/5700	70/80	130@Ra 80 160@Ra 70	>0.9	IP65
ALUFO-240W-C(DE)	240W	AC100-277V AC200-480V	2835/3030/5050	420	200	-20°C-40°C	120°/90°/60°	3000/4000/5000/5700	70/80	130@Ra 80 160@Ra 70	>0.9	IP65
ALUFO-250W-C(DE)	250W	AC100-277V AC200-480V	2835/3030/5050	420	200	-20°C-40°C	120°/90°/60°	3000/4000/5000/5700	70/80	130@Ra 80 160@Ra 70	>0.9	IP65
ALUFO-300W-C(DE)	300W	AC100-277V AC200-480V	2835/3030/5050	420	243	-20°C-40°C	120°/90°/60°	3000/4000/5000/5700	70/80	130@Ra 80 160@Ra 70	>0.9	IP65

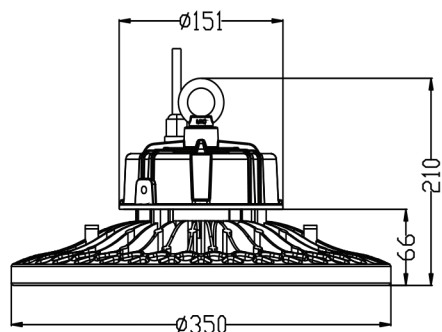
## Specifications

Size:mm

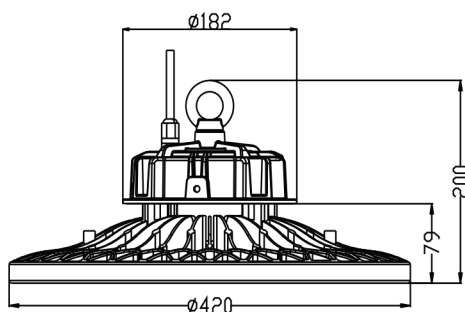
## Structure Features

Shell materials: Aluminum & PC.

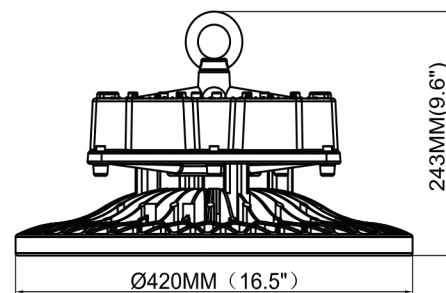
Finish: Dark Bronze/White



100W-200W



240W

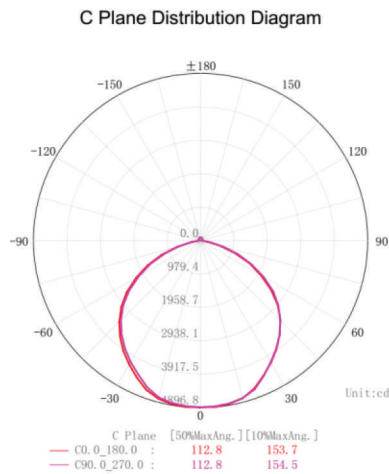


300W

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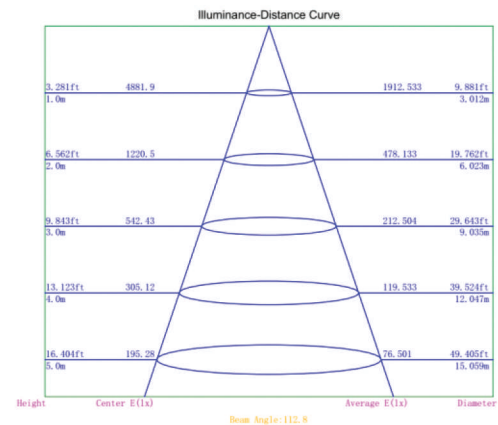
## PHOTOMETRICS

## Light distribution curve drawing

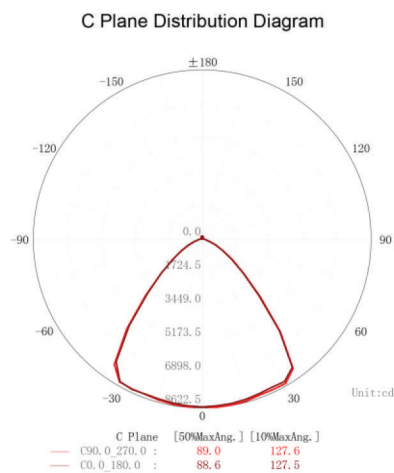


Note: Light distribution curve drawing for ALUFO-100W

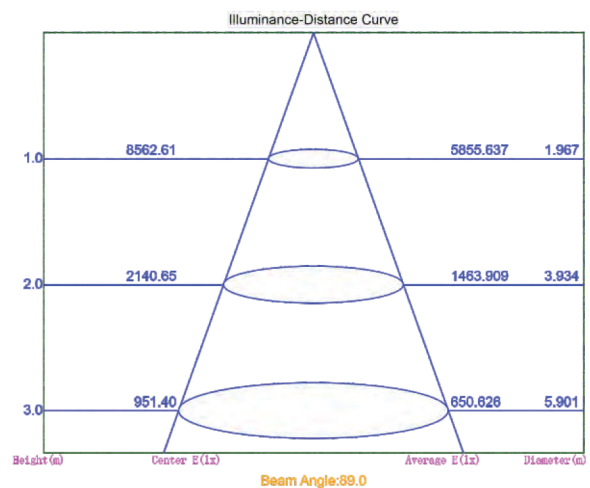
## Illumination Distribution Drawing



Note: Illumination distribution drawing for ALUFO-100W

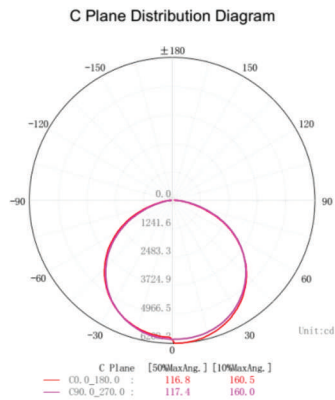


Note: Light distribution curve drawing for ALUFOV-120W

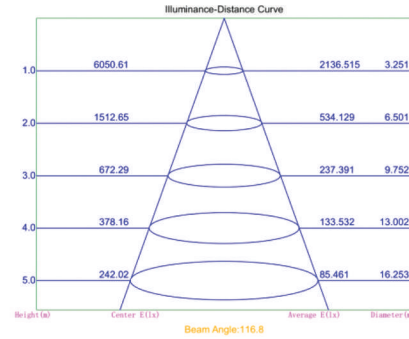


Note: Illumination distribution drawing for ALUFO-120W

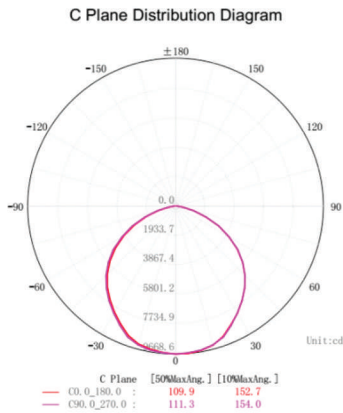
### PHOTOMETRICS



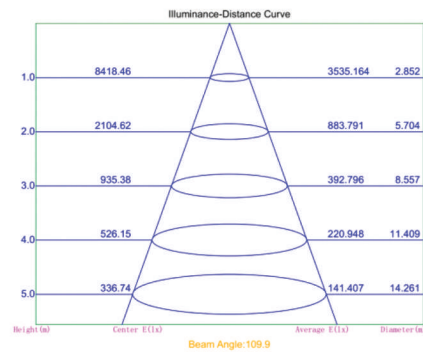
Note: Light distribution curve drawing for ALUFO-150W



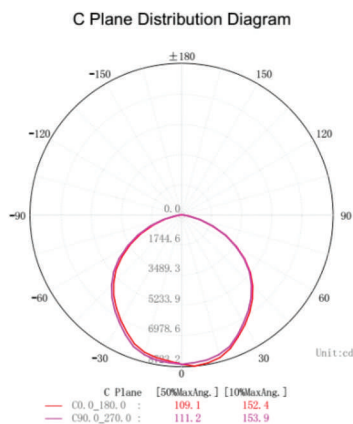
Note: Illumination distribution drawing for ALUFO-150W



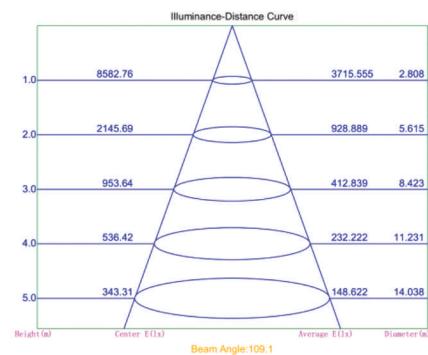
Note: Light distribution curve drawing for ALUFO-200W



Note: Illumination distribution drawing for ALUFO-200W



Note: Light distribution curve drawing for ALUFO-240W



Note: Illumination distribution drawing for ALUFO-240W

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### PACKAGING

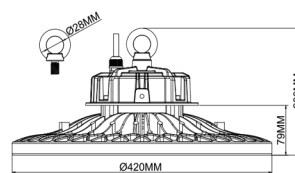
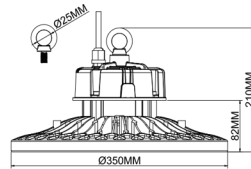
No.	Model	N.W.	Inner Box Dimension	G.W.	Qty/ctn	Outer Carton Dimension
1	ALUFO-100W-C(DE)	3.86Kg	-	5.13Kg	1PCS	410*385*200mm
2	ALUFO-120W-C(DE)	3.86Kg	-	5.13Kg	1PCS	410*385*200mm
3	ALUFO-150W-C(DE)	4.275Kg	-	5.55Kg	1PCS	410*385*200mm
4	ALUFO-200W-C(DE)	4.285Kg	-	5.56Kg	1PCS	480*455*220mm
5	ALUFO-240W-C(DE)	6.5Kg	-	7.85Kg	1PCS	480*455*220mm
6	ALUFO-300W-C(DE)	7.8Kg	-	8.9Kg	1PCS	480*455*245mm
7	ALUFO-100W-C(DE)	7.72Kg	-	9.86Kg	2PCS	380*350*370mm
8	ALUFO-120W-C(DE)	7.72Kg	-	9.86Kg	2PCS	380*350*370mm
9	ALUFO-150W-C(DE)	8.55Kg	-	10.7Kg	2PCS	380*350*370mm
10	ALUFO-200W-C(DE)	8.57Kg	-	10.725Kg	2PCS	380*350*370mm
11	ALUFO-240W-C(DE)	13Kg	-	15.29Kg	2PCS	450*387*445mm

### INSTALLATION

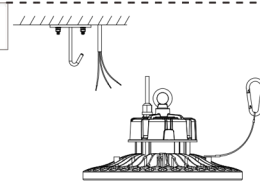
#### Installation Instructions

##### A. Loop hanging installation

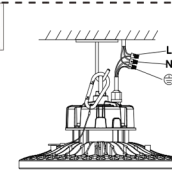
###### Physical Dimensions



1. 

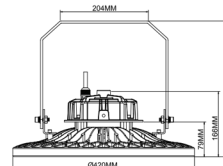
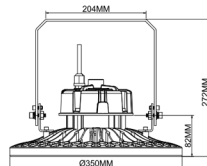
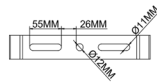


2. 

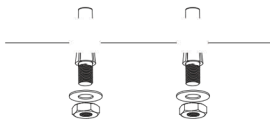


##### B. Adjustable surface mount installation

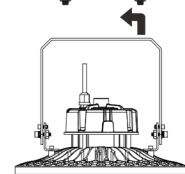
###### Physical Dimensions



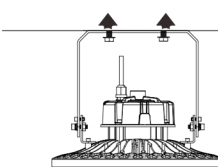
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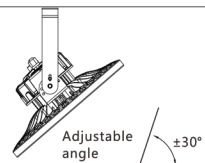
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3. 



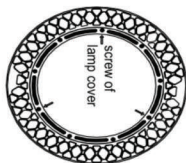
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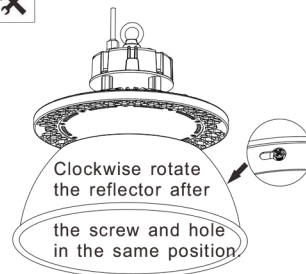
##### C. Installation of Reflector

###### Physical Dimensions

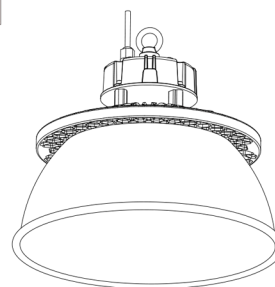
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2. 



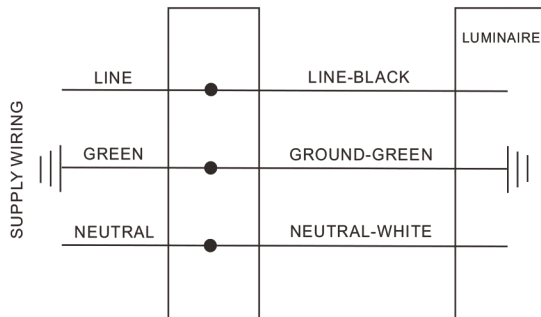
3. 



### INSTALLATION



### Wiring Diagram



- a. For 100/277V connect the black fixture lead to the voltage supply (for 200/480V wiring)
- b. For 100/277V connect the white fixture lead to the neutral supply (for 200/480V wiring)
- c. Connect the green or green/yellow ground lead to ground.

### 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 is 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.