

**200+** Patent Certificates  
**\$1,000,000+** Annual Energy Saving  
**20,000+** Projects Successfully Installed



HIGH LUMEN  
OUTPUT UP TO **210** lm/W

# HBE Series LED Highbay Light

Power: 100W / 150W / 200W




Innovative & Tailored  
Lighting Solutions for **Success**  
[www.aokledlight.com](http://www.aokledlight.com)

# HBE Series

## For High Efficacy

Beaded Lens { **UGR=19 (60 °, 150W)**  
**UGR=25 (90 °, 150W)**

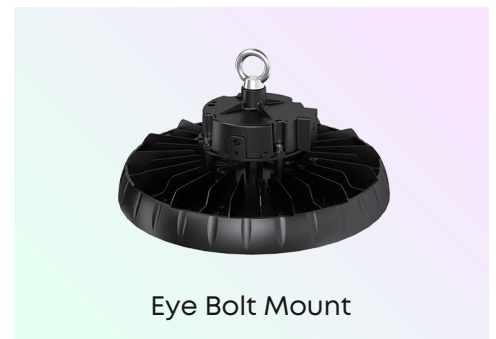
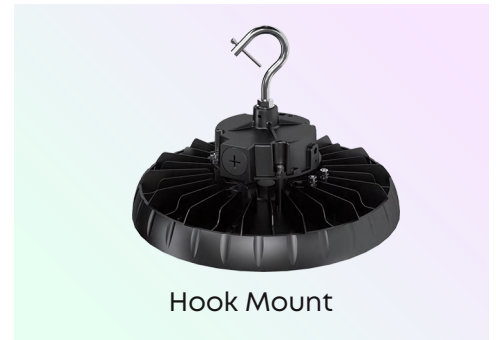
**Power**   
adjustable

**CCT**   
adjustable

■ 3000K  
■ 4000K  
■ 5000K



Ring-Shaped Lens



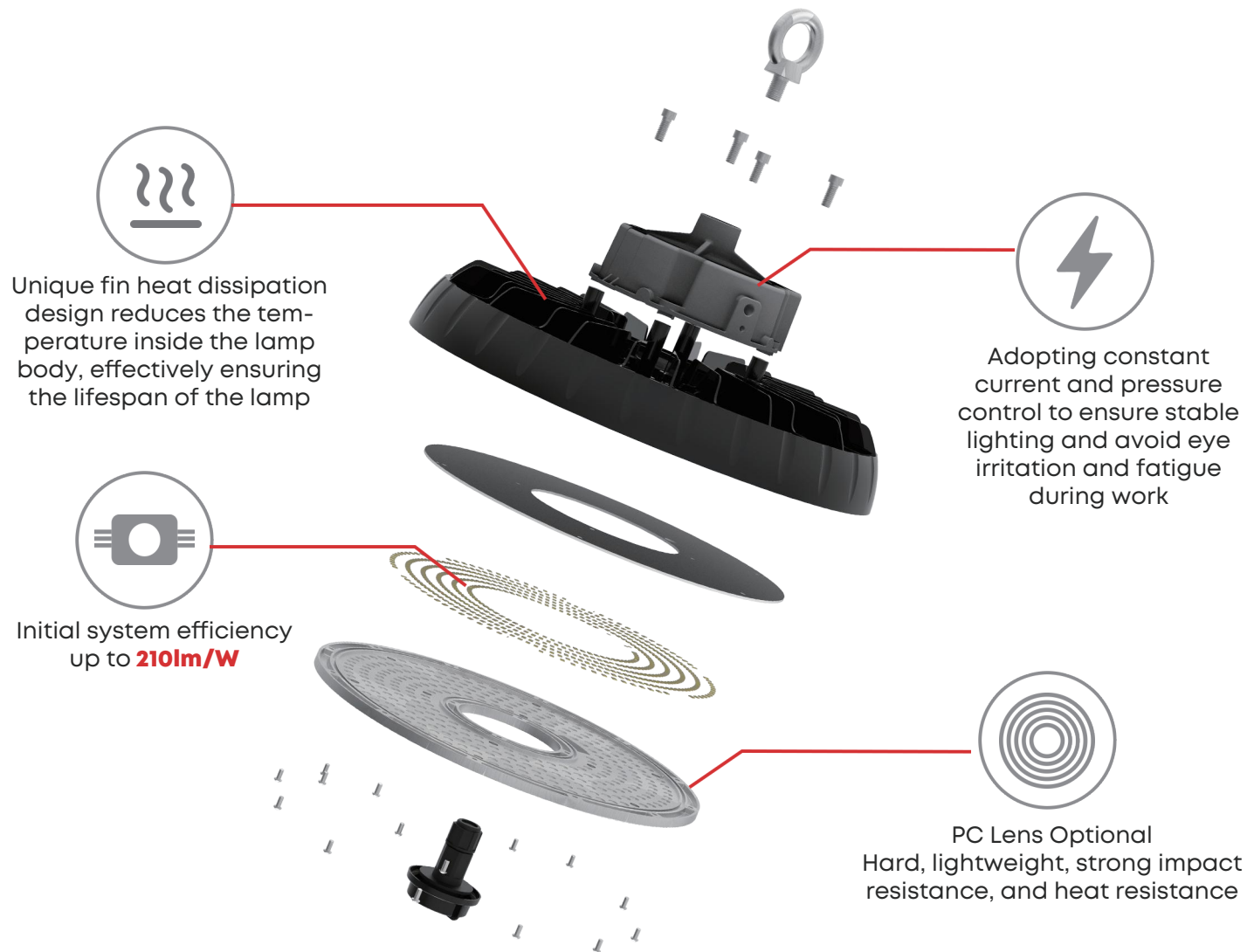
For other certificates please request



**WARRANTY**

5 Year Limited Warranty,  
10 Year Preferred Warranty.  
Please consult with our sales for detailed agreement.

• The HBE series is specifically crafted to cater to indoor and industrial lighting needs. This LED high bay light boasts a sleek design that seamlessly blends aesthetics with efficient heat dissipation. It comes in various distributions, rendering it suitable for a range of lighting applications including gyms, industrial settings, multipurpose rooms in educational institutions, places of worship, retail spaces, and more.



UPTO  
**210**  
 lm/W

WORKING TEMPERATURE  
 ENVIRONMENT  
 -40°C~50°C  
 (-40°F~122°F)

3000K  
 4000K  
 5000K  
 5700K  
 6500K

CRI  
 Ra70/80/90

L70  
 >100,000HRS  
 @ 25°C

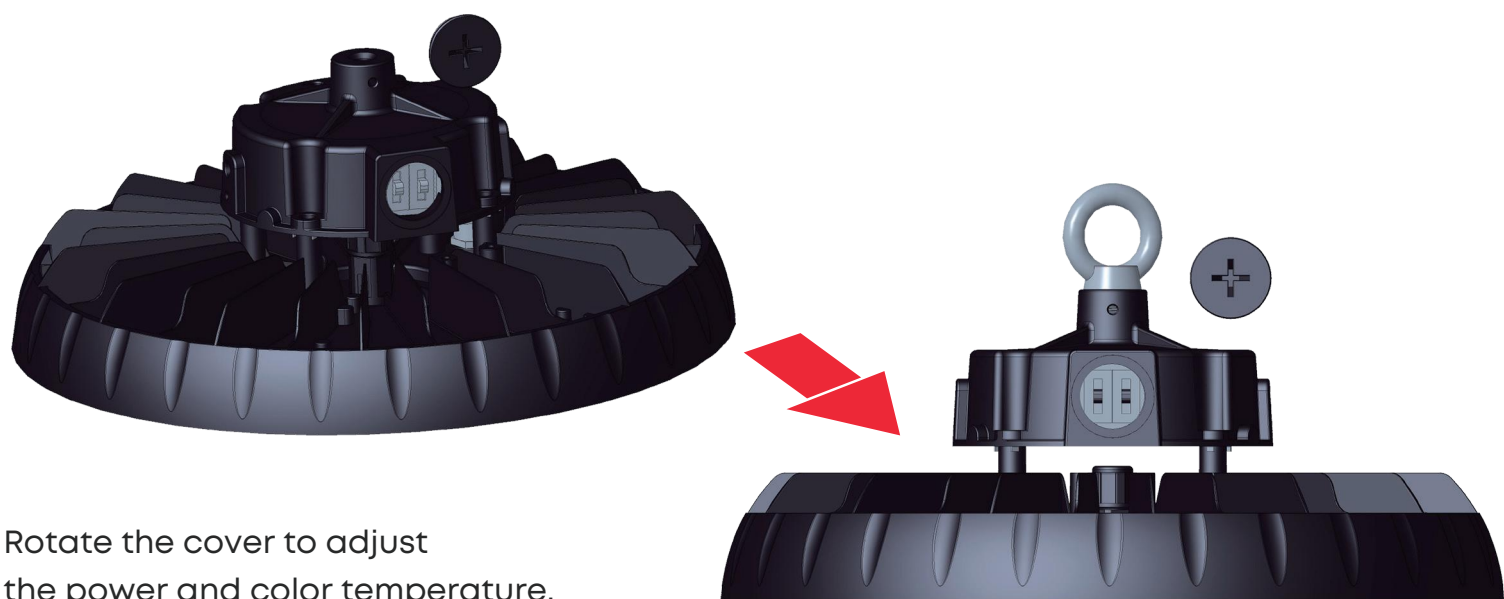
100-277VAC  
 OR  
 200-480VAC  
 50 / 60HZ

IP66  
 IK10

DIM

Note: Normal Voltage=100-277VAC, High Voltage=200-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

# Power and CCT **Adjustable**



Rotate the cover to adjust the power and color temperature.

## DIP Switch:

BHD: DIP switch for adjusting power and CCT

A	200(W)	CW
B	150(W)	NW
C	100(W)	WW

200W(A) - 150W(B) - 100W(C)

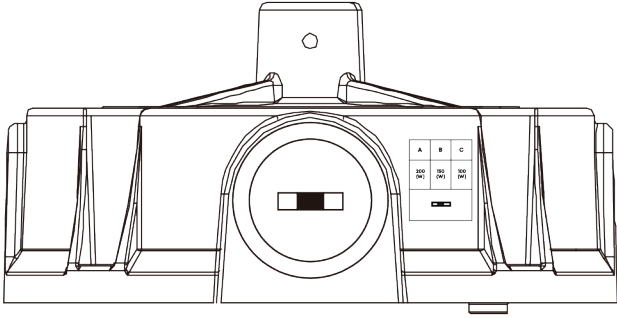
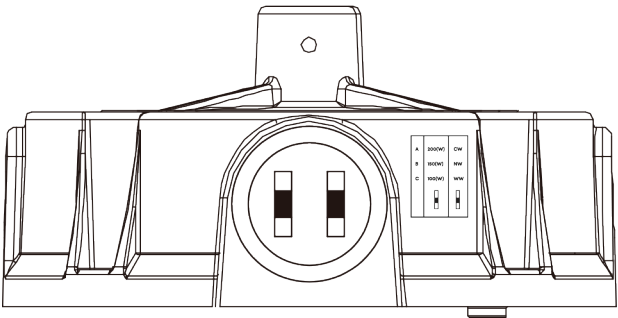
CW: White light NW: Neutral white WW: Warm white

BHD: DIP switch for adjusting power

A	B	C
200 (W)	150 (W)	100 (W)

200W(A) - 150W(B) - 100W(C)

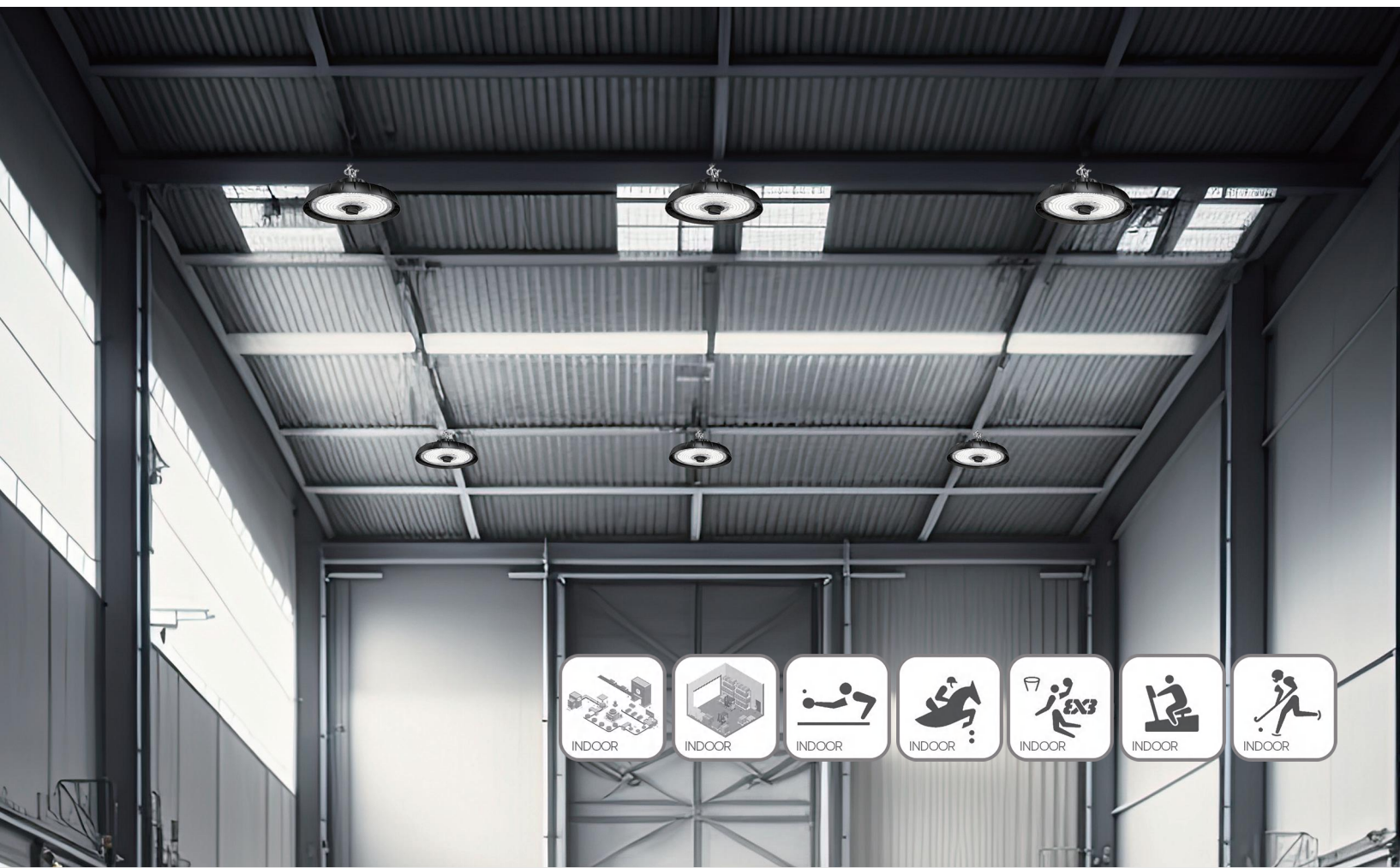
CW NW WW has no special meaning



**Note:** Adjustments to power and color temperature should be made after the power has been disconnected.



## Application Reference



# Parameter Table

Electrical Specifications		
Model	AOK-HBE-100W/AOK-HBE-150W/AOK-HBE-200W	
Power(w)	Power adjustable:100W/150W/200W	
Input Voltage	Normal Voltage=100-277VAC, High Voltage=200-480VAC, please read *Note-1 before choosing	
PF	≥0.97	
Driver Efficiency	≥95%	
Maximum Current	AC2.2A (max)	
Control Option	Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.	
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)	
Driver Brand	MOSO/SOSEN	
Photometric Specifications		
Lens Type	Ring-shaped lens (Power and CCT adjustable)	Beaded lens (Power adjustable)
Efficacy (lm/W,Std. Dev ±5%) @CRI 70Ra, 4000K Standard (LUMILEDS 2835)	185 lm/W	170 lm/W
Luminous Flux(lm,Std. Dev ±5%) @CRI 70Ra, 4000K Standard (LUMILEDS 2835)	18500 lm(100W) / 27750 lm(150W) 37000 lm(200W)	17000 lm(100W) / 25500 lm(150W) 34000 lm(200W)
Efficacy (lm/W,Std. Dev ±5%) @CRI 70Ra, 4000K Single CCT (A2835)	210 lm/W	-
Luminous Flux(lm,Std. Dev ±5%) @CRI 70Ra, 4000K Single CCT (A2835)	21000 lm(100W) / 31500 lm(150W) 42000 lm(200W)	-
Note: When the Color Rendering Index (CRI) is equal to or greater than 80, the luminous efficacy will decrease by 10%		
CCT	3000K~6500K	
CRI	Ra70 / Ra80 / Ra90	
LED Model	LUMILEDS 2835 / A2835	
Lens	Polycarbonate	
Beam Angle	60D / 90D / 120D	
Mechanical Specifications		
IP/IK	IP66/IK10, according to standard EN 60529 and EN 62262	
Housing	Heavy-duty die-cast aluminum (EN AC-46100)	
Heat Radiator	Aluminum alloy	
Surface Treatment	Anti-UV thermosetting polyester (for extremely corrosive environments).	
Painting	Black, Customized color	
Cable	Pre-wired with a 30 cm cable	
Mounting	Yoke mount/Hook/Eye Bolt	
Package Info		
Product Size	313*313*125mm / 12.32*12.32*4.92 inches	
Net Weight	2.1KG	
Carton Size	328*328*145mm / 12.91*12.91*5.7 inches	
Gross Weight	2.45KG	
Others		
Lifespan	L70 > 100 000 h, @Tq 25°C	
Warranty	5 years limited warranty	
Certification	UL/cUL/ROHS/CE/CB/TUV,For other certificates please request	

\* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

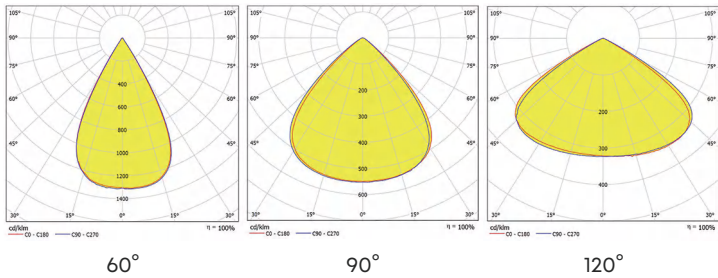


# Ordering Information

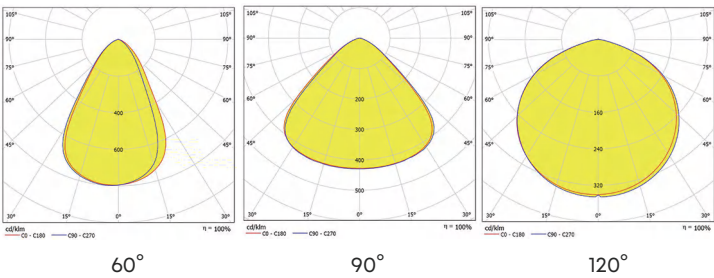
AOK							
MODEL	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING
100WHBE	NV=100-277V	A2= A2835	00=Without Sensor	3070=3000K 70CRI	60D=60deg	A=Hook mount	BK=Black
150WHBE	HV=200-480V	L2= LUMILEDS 2835	PIR=PIR Sensor	4070=4000K 70CRI	90D=90deg	B=Eye Bolt mount	Customized color
200WHBE			MS=Motion Sensor	5070=5000K 70CRI	120D=120deg	C=Yoke mount	
				5770=5700K 70CRI		D=Yoke mount(F)	
				6570=6500K 70CRI		*F=Flange	
				3080=3000K 80CRI			
				4080=4000K 80CRI			
				5080=5000K 80CRI			
				5780=5700K 80CRI			
				6580=6500K 80CRI			

## Photometrics

Beaded lens

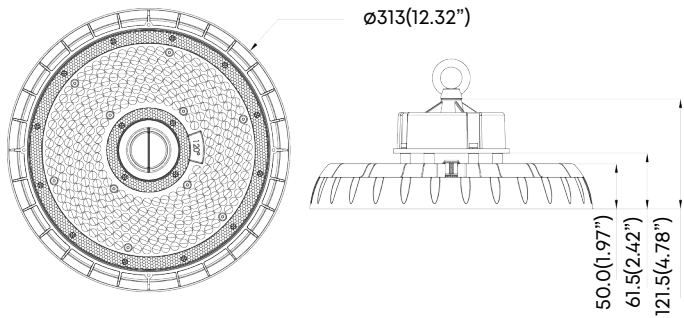


Ring-shaped lens

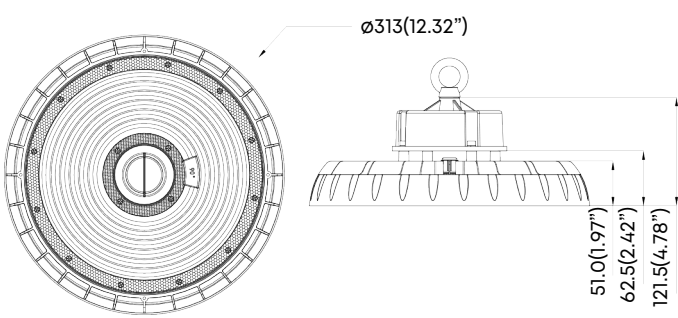


## Dimensions

Beaded lens



Ring-shaped lens





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wally@aokledlight.com  
www.aokledlight.com  
+1 626-986-4050 (US)  
+86 755 2357 9148 (CN)

Manufacturing:

**Shenzhen:**

Building 1 & 4, St. George's Science and Technology Industrial Park, Shajing Street, Shenzhen, China, 518124.

**Huizhou:**

Building 2, Yinghui Electronic Science and Tech Park, No. 6 Dongsheng North Rd, Chenjiang Street, Zhongkai High-tech Zone, Huizhou, China. 516006.

**Philippines:**

128 North Science Avenue SEZ Laguna Technopark, Binan City, Laguna, Philippines.

Fuzhou Office:

Room 301, Yujing Business Center Zone 1, No. 12 Baihuazhou road, Cangshan district, Fuzhou, China, 350007

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