



AOD AL-HB LED high bay light is compact in structure and elegant in appearance by mechanically connecting the LED light source, heat sink and cover, which fully demonstrates its small in volume and light in weight characteristics.

High power brightness LEDs with high efficacy up to 130lm/W are adopted to make AOD LED high bay light. Compared with using integrated LED light source, adopting multi- high power brightness LEDs effectively lower the heat, and perfectly assures LEDs' heat sinking mechanisms. The LED junction temperature is lower than 65°C, which effectively control the light decay and guarantee the lifetime of the light source to more than 50,000 hrs.

The high reliable intelligent driver and professional designed heat sink mechanism assure the working temperature of each electronic component in the driver is not higher than 60°C. Thus, the lifetime of the high efficiency driver can be 50,000 hrs. The wide-range power supply voltage assures the universality of the high bay light. The unique wire protection design improve the high bay light's reliability and capacity of resisting disturbance. The proprietary technology of constant current control enhances the light's high stability. Meanwhile, such driver also provides several flexible and advanced control functions such as timer control, temperature control, photo sensor control, acoustic sensor control and internet control etc.

AOD LED high bay light can replace the conventional energy-saving lamp, mercury lamp, high pressure sodium lamp and metal halide lamp, etc. You can choose 45° or 120° cover to meet with your lighting effect requirement in various places, such as workshop, factory, supermarket, airport, railway station, and so on.



AOD LED High Bay Light Power Series

Part No.	Rated Wattage	Working Voltage	Working Frequency	Weight
AL-HB06	60W	AC 110/220V	50/60Hz	5.5kg
AL-HB08	80W	AC 110/220V	50/60Hz	6.5kg
AL-HB10	100W	AC 110/220V	50/60Hz	7.5kg
AL-HB13	130W	AC 110/220V	50/60Hz	8.0kg
AL-HB15	150W	AC 110/220V	50/60Hz	8.0kg

Note: Besides above standard power series, custom-made products are available also.

For more product details, please visit us at: <http://www.aodevices.com>



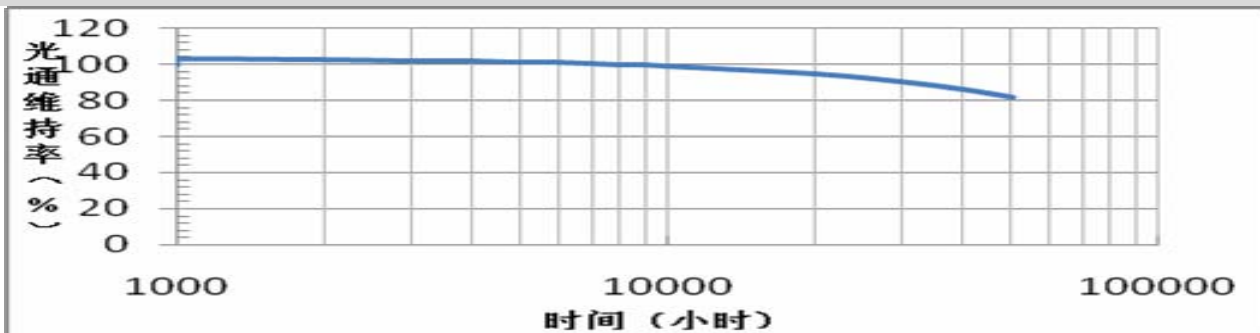
AL-HB10 Parameters

Item	Symbol	Min.	Typical	Max.	Conditions	Notes
Working Voltage (V)	Vin	100		277		
Working Frequency (Hz)	f	50		60		
Rated Wattage (W)	P	90	100	110	AC220V, 25°C	
Power Factor	PF	0.90	0.95	0.98	AC220V, 25°C	
Luminous Flux (lm)	Φ	8500	9000			
Start Time (ms)				5000	AC220V, 25°C	
CCT (K)	CCT	4000	-	6500		Optional ¹
Working Temperature (°C)	Temp	-20		45	AC220V	
Adaptive Humidity (%)	RH			90		
Lifetime (hrs)	MTTF		50000		AC220V, 25°C	Influenced by ambient conditions
Weight (kg)	weight		7.5			Not including the package
LED IP Class	IP Class	IP54				
Average Luminosity (lx)	at 5M Height	475				45° aluminum cover
	at 8M Height	185				
	at 12M Height	82				
Spot Diameter (m)	at 5M Height	5.8M circle spot				
	at 8M Height	9.2M circle spot				
	At 12M Height	13.9 M circle spot				

Note: AOD Standard Color temperature:

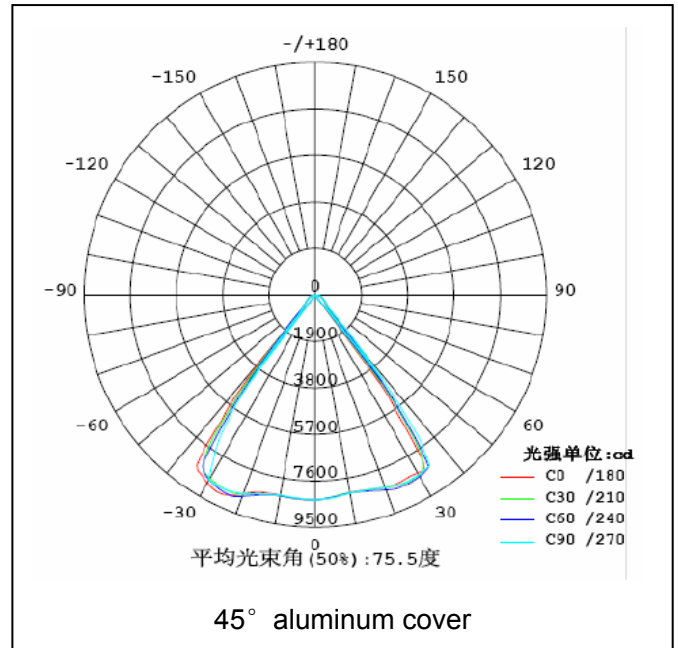
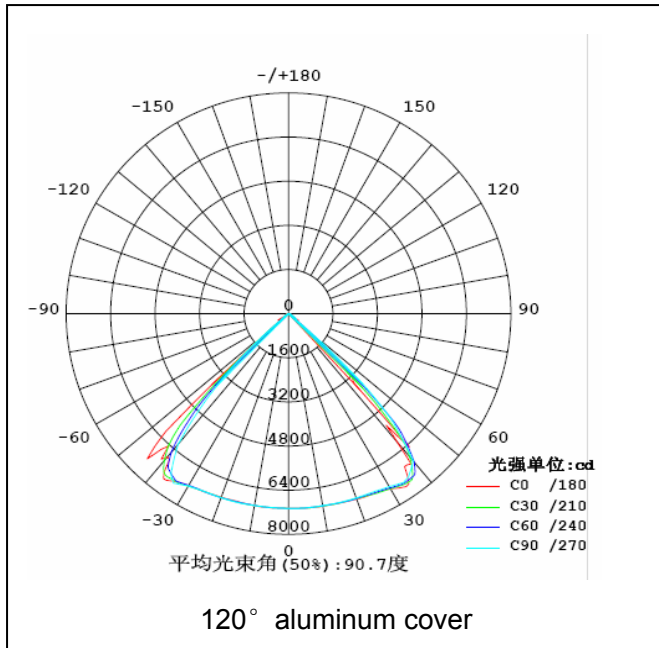
4000±250K、4500±250K、5000±300K、5700±350K、6500±500K

Luminous Flux Maintenance Chart

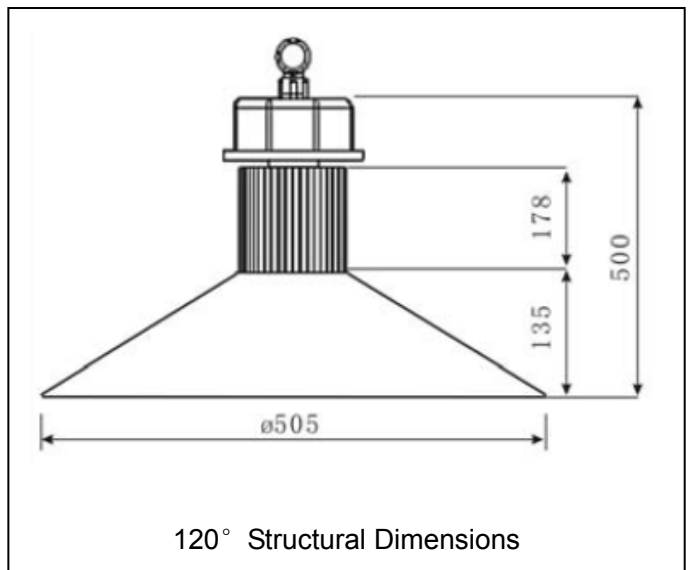
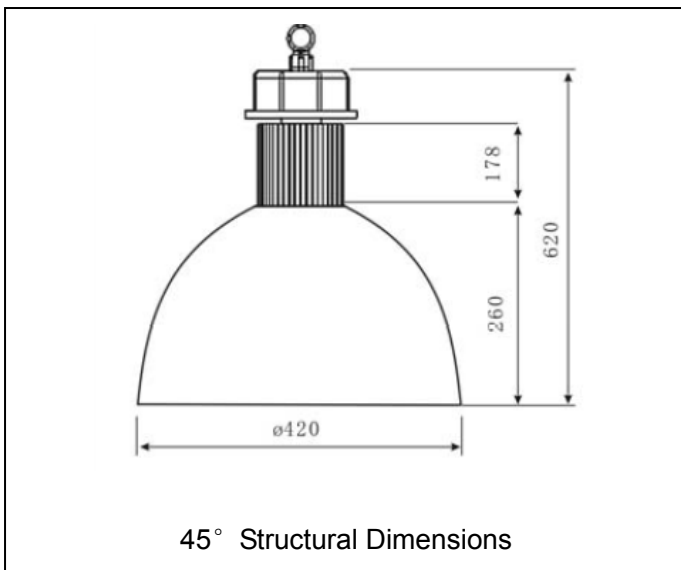


Note: This chart shows the calculated luminous maintenance results after testing high bay light in volume, which can exactly reflect luminous flux degradation of AOD LED high bay in use. In the real circumstances, the luminous flux would be affected by weather or other natural surroundings. But overall, we can see the maintaining luminous rate of our industrial lights is above 95% after working for 10000 hrs without maintenance.

AL-HB10 Light Distribution Chart



AL-HB10 Structural Dimensions



Wiring Instruction

1. Tri-core shield sleeve wire with standard 60245 IEC57(YZW) 3*1.0mm² and OD Φ8~10mm is adopted, the brown wire of which connects the live wire, the blue one connects the neutral wire and the yellow-green one connects the ground wire.
2. Insulation and waterproof treatment must be done at the joint of wires after the electrical connecting.
3. Assuring the LED High Bay light works under the rated voltage, otherwise the non-restorable damage will be made once the supply voltage is beyond the working voltage range.

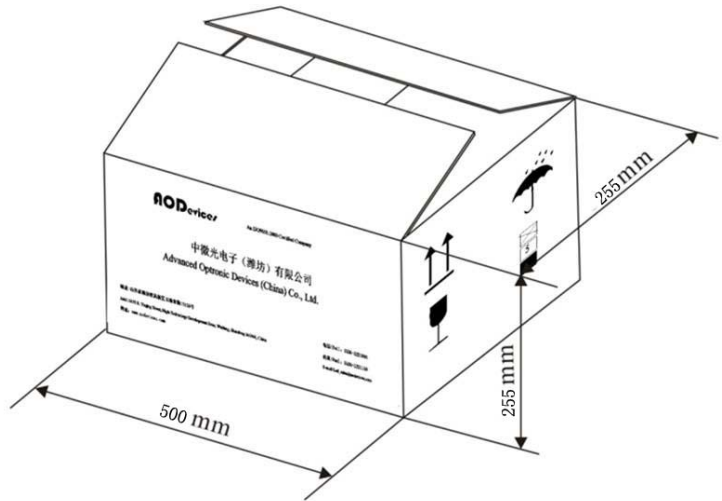


Packing Information

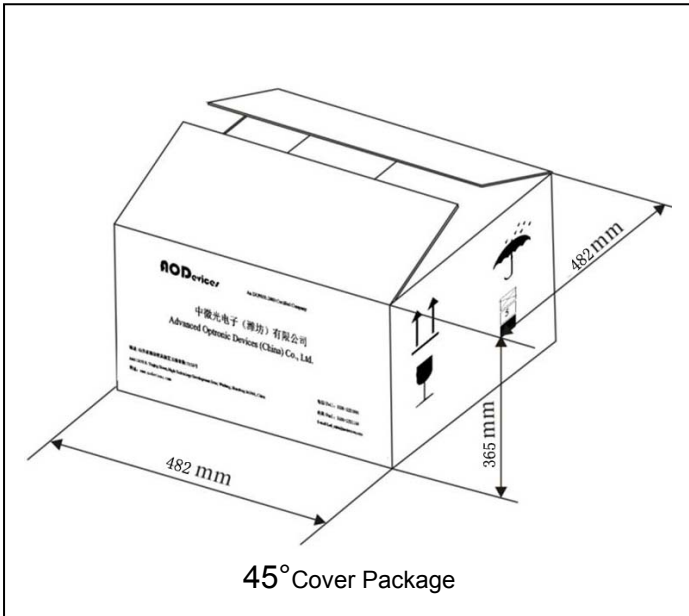
The packing dimensions are shown as pictures aside. Each carton for light source has one light source and each carton for cover includes six covers.

AOD LOGO, company name (in Chinese and English version), address and contact information of Advanced Optronics Devices (China) Co., Ltd are printed on each carton as well as the marks of transportation and storage requirements.

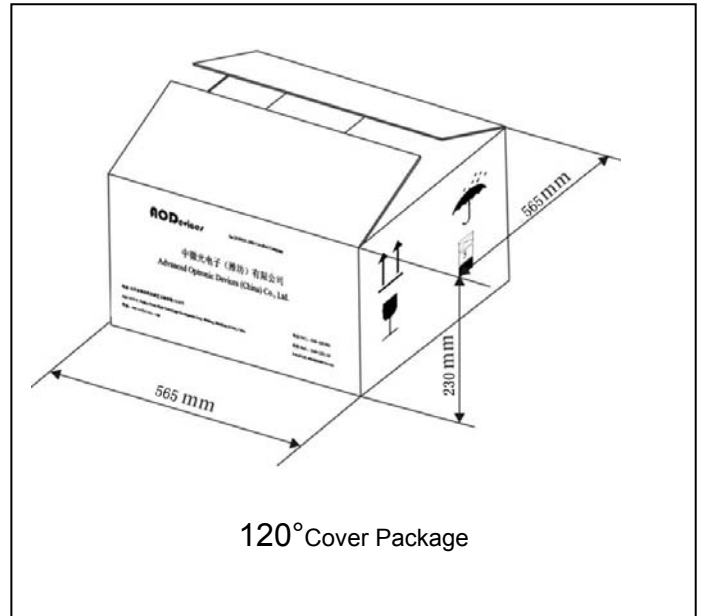
Please inspect the products whether it is in perfect order, and check whether the documents (one product specification or one usage introduction) and accessories are completely ready when opening the package.



Light source package



45° Cover Package



120° Cover Package

Attention:



1. The ground wire must be safely earthed to guarantee the reliability!
2. The joint of wires must be covered with insulating tape and be waterproof!
3. Screws must be installed firmly to avoid the light drifting!
4. The supply voltage must not be beyond AC100~277V, otherwise the impossible repaired damage will be caused.
5. The light should be scrapped immediately if the external soft cables or soft wires damaged for they could not be replaced.



After Sales Services

If you have any questions or problems in the process of unpacking, installation and use, please contact our Customer Service Department. We will respond within 2 hours, and if necessary, we will promptly send our maintenance professionals to reach your site as quickly as possible to solve your trouble and restore to the normal working condition. AOD takes guarantee responsibility unless otherwise specified in the following circumstances:

- ✧ The breakdown or the damage is caused by incorrect installation, failure operation or use under the Not-specified working conditions.
- ✧ The damage is caused by accident, abuse or misuse. The breakdown or the damage is caused by customers' unsuitable safekeeping or transportation.
- ✧ The breakdown or the damage is caused by customers' disassembly or change the spare parts to which are not approved by AOD.
- ✧ The breakdown or the damage is caused by man-made or natural disaster.

Customer Service Center: +86-536-2221111

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