



AOD T5 LED Batten Luminaire is an environment-friendly semiconductor light which possesses a number of advantages over the conventional ones such as no flashing, comfortable light and high color-rendering index that are favorable for the user's eyesight and physical health. AOD T5 LED Batten Luminaire could be used directly to replace the conventional batten Luminaire with T5 fluorescent lamp. It can work as concealable lamp for accent lighting, such as recessed lighting in ceilings, reflect groove lighting, cabinet lighting or showcase lighting etc.



Characteristics

- **Energy saving:** Compared with the conventional fluorescent light, the energy saving rate is over 60% under the same illumination.
- **Compact structure:** Tube diameter is only 16mm, the tube and fixture are integrated as a whole system. It is suitable to be installed in limited spaces or interior places with low ceiling.
- **Long lifetime:** 50000hrs to 80000hrs, 10 times longer than the conventional fluorescent tube light.
- **High Luminous efficacy:** Using the high luminous efficacy and high reliability SMD LED lighting source.
- **Installed for Stripe Lighting:** Can be connected in series by using special plug cords provided.

Recommended Applications

- General indoor lighting for schools, offices, restaurants, hotels, malls, buses, trains, warehouses, and parking lots etc.
- Cabinet accent lighting; showcase lighting; background lighting for advertising etc.

Product Categories

Part No.	LED Power	Working Voltage	Weight	Quantity in one series connection (Max.)	Lighting fittings
AL-L06-CFL	6W	AC 220V	400±10g	30	clips, screws, direct plug, power cable, plug cable (optional)
AL-L09-CFL	9W	AC 220V	500±10g	25	
AL-L12-CFL	12W	AC 220V	710±10g	20	

For more product details, please visit us at www.aodevices.com

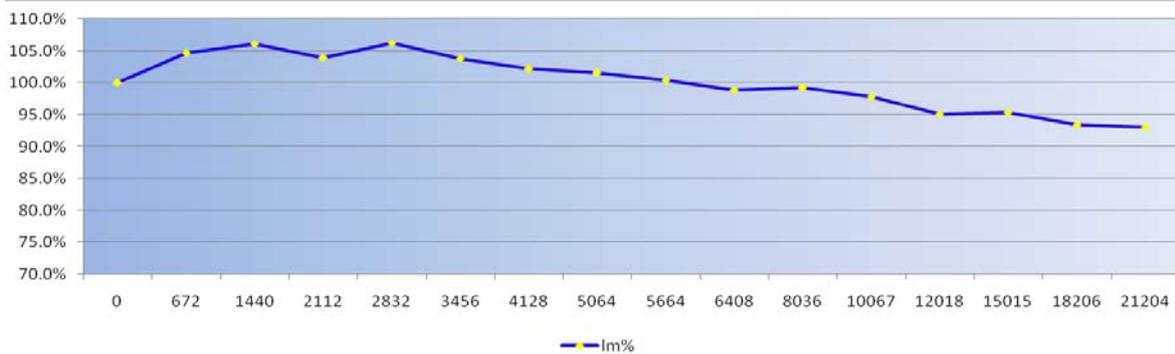


Technical Specifications

Item	Symbol	Min.	Typ.	Max.	Text Conditions	Notes
Working Voltage (V)	Vin	AC85.0	AC220.0	AC265.0		
Working Frequency (Hz)	F	47	50	63		
Light Power (W)	Pout	10.8	12.0	13.2	AC220V, 25°C	
Input Power (W)	Pin	12.7	14.1	15.5	AC220V, 25°C	
Power Factor	PF	0.90			AC220V, 25°C	
IP Rate		IP20				
Insulation Grade		Class II				
EMI		Satisfy CISPR 15, No electromagnetic interference to equipment or household electrical appliance				
Luminous Flux (lm)	Φ		1145		CCT: 6300±200K	
CRI	Ra	70	75	80		
CCT (K)	CCT	2700		6500		Optional ¹
Working Temperature (°C)	Temp	-20		45	AC220V	
Lifespan (hrs)	MTTF		50000		AC220V, 25°C	Effected by operation environment
Weight (g)			710±10g			Net weight
Dimension		L1173×W24×H37mm				
Max Connected No. (pc)		20				

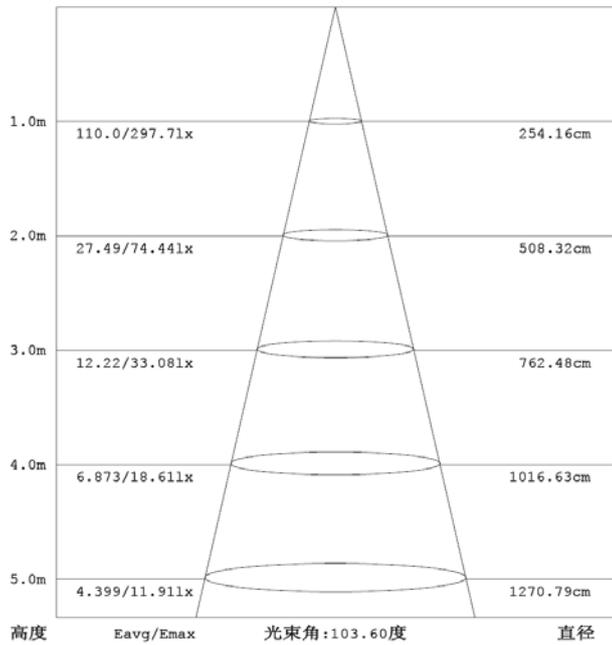
Note: The CCT range of AOD LED tube lights: 2700±150K, 3000±180K, 3500±200K, 4000±250K, 4500±250K, 5000±300K, 5700±300K, 6500±500K.

Lumen Depreciation Chart

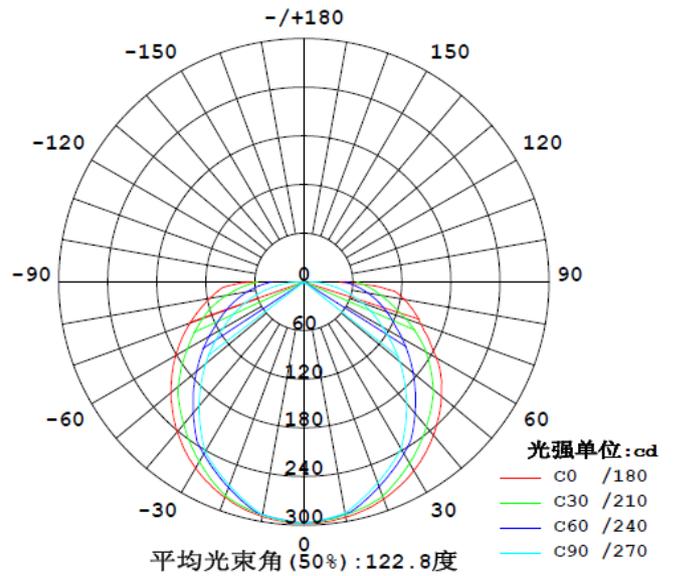


Note: This chart shows the actual test data, which clearly reflects the lumen depreciation of AOD LED tube light. These data were obtained through the test samples worked at 220VAC at the general room temperature and lighted constantly in a long-term. Observers measured the luminous flux, luminous efficiency and other parameters once a month.

Photometric Test Results



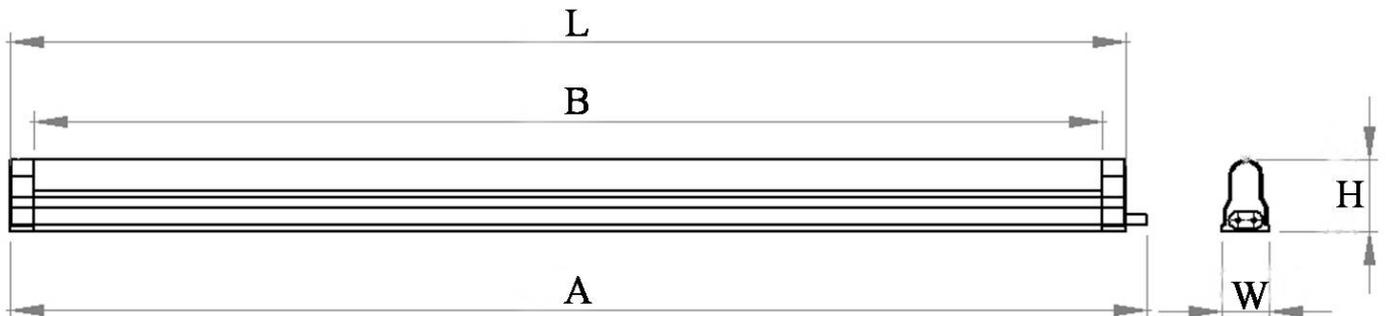
Illuminance Diagram



Poly Candela Distribution

Note: Tested in standard Distribution Photometer laboratory (full dark background). Distance between the LED Tube Lights and detector is 9.0m; CCT: 6300±200K and Ra:80~75 for the sample tested.

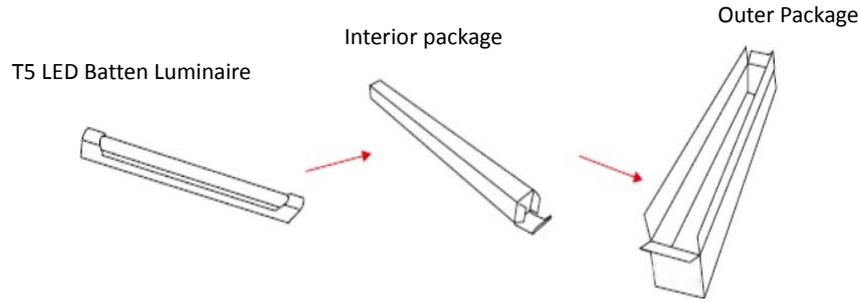
Dimensions



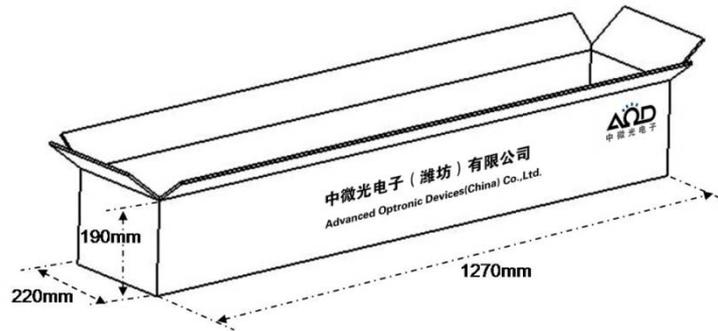
A Max.	B Max.	L Max.	W Max.	H Max.
1181 mm	1149 mm	1173 mm	24 mm	37 mm

Package

➤ Packing Order



➤ Outer Package Dimension



Installation Guide

➤ Recommended installation steps

1. Use self-tapping screw ② to fix clips ① in the ceiling or wall where the light will be installed. The recommended hole distance are as below:

Part No.	AL-L06-CFL	AL-L09-CFL	AL-L12-CFL
Hole distance	519mm	819mm	1119mm

2. Install the light on the clip ①.
3. Insert the power cable ③ into one side of the light, and make sure the plug of the power cable is tightly connected with the light.
4. If you want to connect the lights in series, please use the “8” model direct plug, or plug cable ⑤. The maximum quantity of the connected lights are as below:

Part No.	AL-L06-CFL	AL-L09-CFL	AL-L12-CFL
Connect Quantity (Max.)	30	25	20

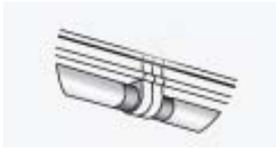
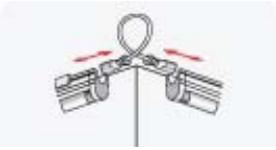
5. If the other side of the light does not need to be connected with other lights or power supply, please cover it well with the power cap ⑥ to avoid electric shock.

Notes:

1. Light fittings for installation:

No.	Name	Reference Photo	Functions
①	Clip		Install and fix the light
②	Self-tapping screw		Install and fix the light
③	Power cable		Connect with the mains supply
④	“8”model direct plug		Joining the light in series (for straight connection)
⑤	Plug cable		Joining the light in series (for corner or arc connection)
⑥	Power Cap		Power cap, to avoid electric shock

2. Introduction for joining lights in series

Serial Mode	Schematic Diagram
Straight connection	
Corner or arc connection	



Attention:



1. The tube light should be firmly fixed.
2. The connection of the wires should be done by professional electricians referring to the installation guide to avoid dangers.
3. The operating voltage cannot exceed the specified range (85~265VAC).
4. Disassembly of the light without permission is forbidden. For any problem please contact our service department.

After-sale service

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 changing 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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