

SPECIFICATION

(产品规格书)

COB 点粉琥珀 LED

(60W)

Customer	_____
Part NO.	JXC-CAWP0-xxxQx-1012
Spec. NO.	JX-SPEC-CW-0060
Version NO.	B0
Description	60W Amber COB-LED
Created Date	2019.07.29

CUSTOMER APPROVED (客户确认)		

R&D DEPARTMENT (开发部)		
APPROVED (核准)	CHECKED (审核)	PREPARED (制定)
		邹清清



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■ Product Selection Guide (产品选择)

Notes: "x" above in the Part No. means different products contain different details.

"x"表示不同的产品具有不同的细节

■ Product Feature (产品特点)

Emitting Color (发光颜色)		Lens (透镜)	Product Description (产品描述)	Input & Output (输入输出)
LED Chip (LED 芯片)	LED (product) (LED 产品)			
Blue (蓝色)	PC-Amber (琥珀光)	Yellow, Silicone , Flat (黄色, 硅胶, 平面)	High Thermal Conductivity Copper Base PCB (高导热铜基板)	Color Controlled by Circuit (单一颜色光)

■ Absolute Maximum Rating(At TA=25°C) (极限参数)

Parameter (参数)	Symbol (符号)	Ratings (数值)	Units (单位)
Power Dissipation (功率)	P_D	60	W
Continuous Forward Current (正向输入电流)	I_F	1.8	A
Peak Forward Current *2 (顺向脉冲电流)	$I_F(\text{Peak})$	2	A
LED Junction Temperature (结点温度)	T_J	125	°C
Reverse Voltage (反向电压)	V_R	5	V
Operating Temperature Range (工作温度)	T_{OPR}	-30°C To +85°C	
Storage Condition(储存)	TA & RH	包装未破 25±5°C & 30-65%一年	
Manual Soldering Temperature (手工焊接温度)	T_{SOL}	350°C± 10°C For 3~5 Seconds	
ESD Sensitivity (抗静电能力)	ESD	2000V HBM	

Notes: *1, Tolerance Θ :10%, (Θ 公差为 10%)

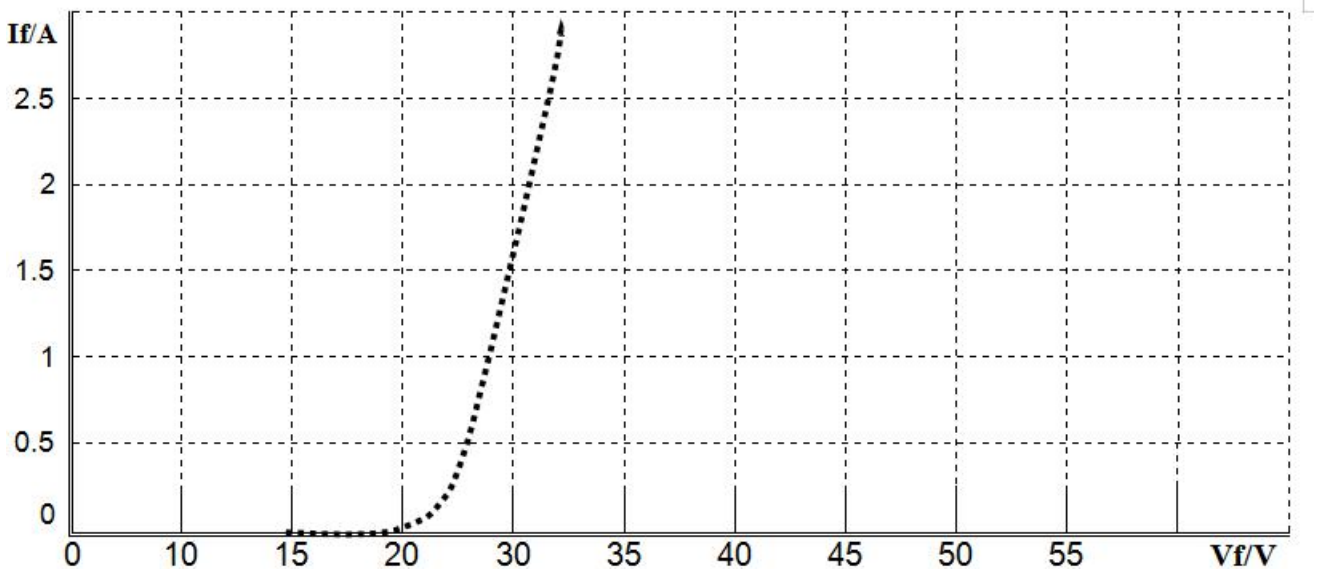
*2, 1/10 Duty Cycle 0.1ms Pulse Width.(脉冲宽度 0.1ms, 占空比 1/10)

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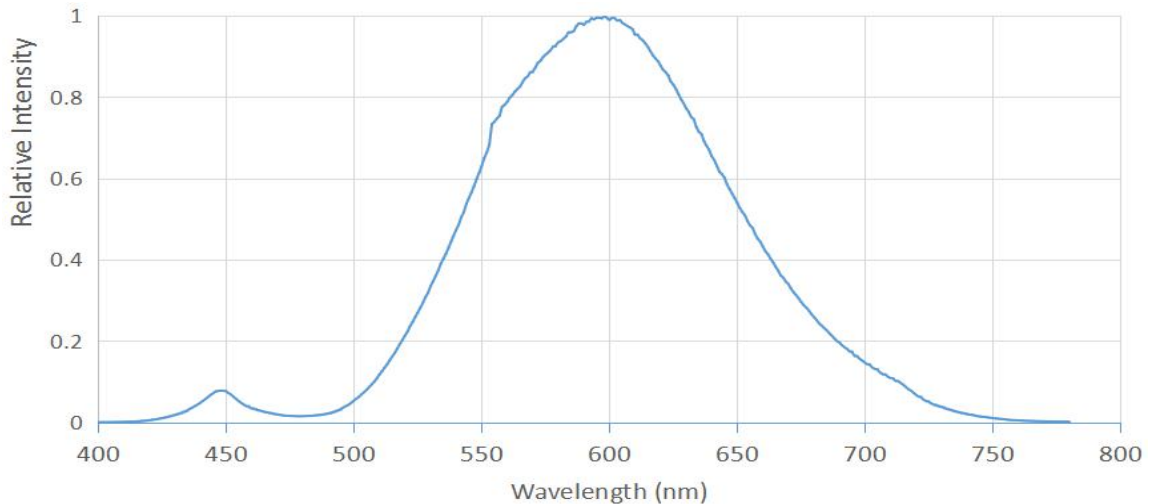
■ Electrical/Optical Characteristics (At Ta=25°C) (光电参数)

Parameter/unit (参数/单位)	Symbol (符号)	Conditions (测试条件)	Min. (最小值)	Typ. (典型值)	Max. (最大值)	Tolerance (公差)
Luminous Flux/lm (光通量/流明)	Φ	$I_F=1.8A$	---	4100	5300	10%
Forward Voltage/V (正向压降/伏)	V_f	$I_F=1.8A$	28	---	31	1V
Color Temperature/K (色温/开)	T_c	$I_F=1.8A$	---	2200	---	1nm

■ Forward Current Curves (At Ta=25°C) (正向特性)

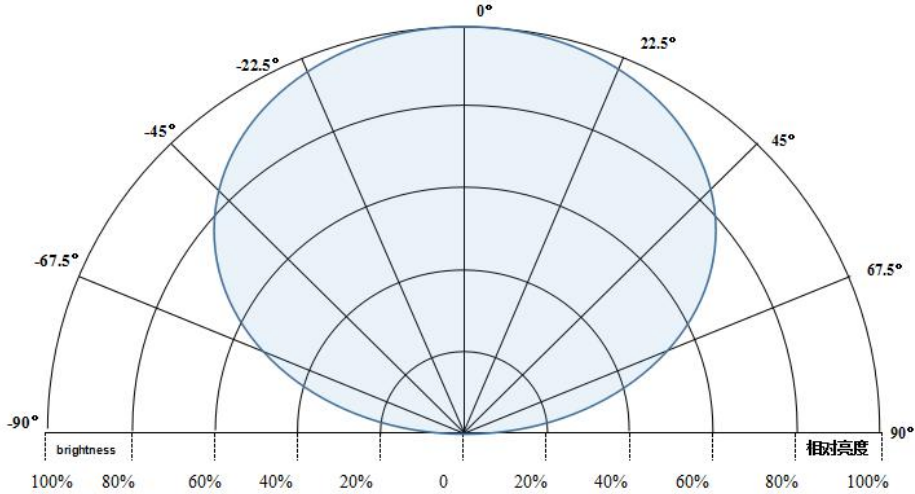


■ Spectrum Distribution (At Ta=25°C) (光谱分布)



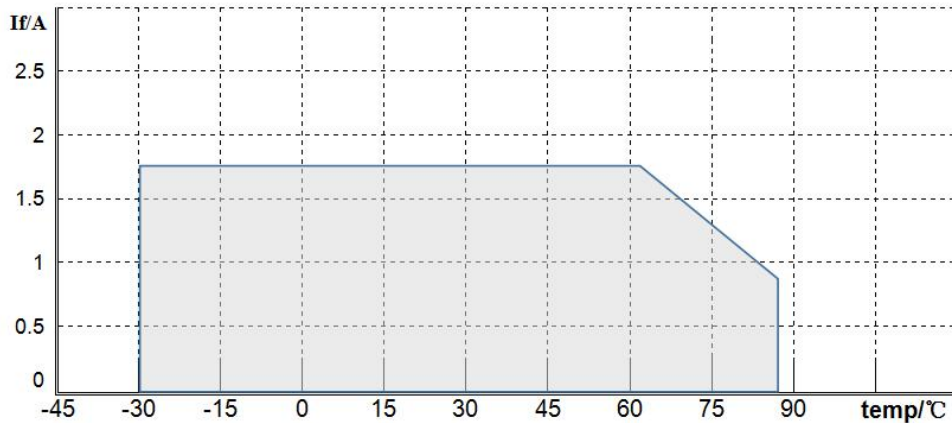
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■ Radiation Pattern (辐射分布)

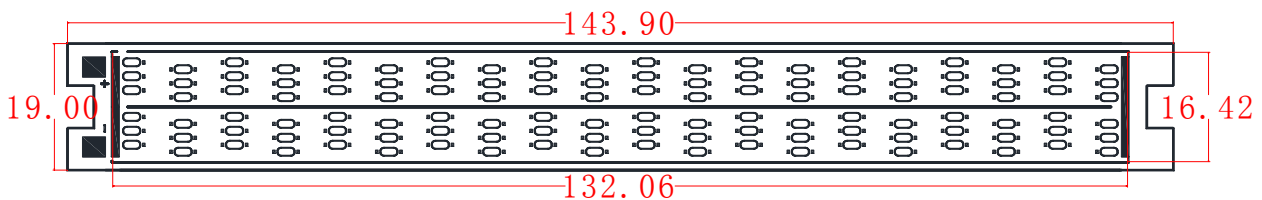


Notes: Tolerance Θ :10%, (Θ 公差为 10%)

■ Current-Temperature Curves (最大工作电流与工作环境温度曲线)



■ Package Dimensions & Product Picture (封装尺寸与产品图)



Notes: 1, All dimensions are in millimeters. (所有尺寸以毫米为单位)
2, Tolerance is ± 0.25 unless otherwise noted (未标注公差为: ± 0.25)

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Instruction

- 1. Reserve:**
It should be reserved in dry cabinets in case of moisture. The temperature for reserve is $25^{\circ}\text{C}\pm 3^{\circ}\text{C}$, and the humidity is $>40\%$ but $<60\%$.
- 2. How to handle after removing the tubes:**
When sticking the tin, the pasted components separated from the surface of lens may affect lighting efficiency to cause illuminating degradation. Therefore, it must be complied as below:
 - A.** The time which products are bare in the air after the packing bags cannot exceed 72 hours.
 - B.** The temperature of reserve for products which are not used out is $25^{\circ}\text{C}\pm 3^{\circ}\text{C}$, and the humidity is $>40\%$ but $<60\%$.
 - C.** It is advised to use hand weld since lens are not endurable with high temperature.
- 3.** Products should avoid machinery pressure and strong shake during cooling after tin is welded.
- 4.** Fast cooling is not allowed.
- 5.** Weld on anamorphic pcb is not allowed.
- 6.** Don't touch water, il and organic liquor.
- 7.** Current should be considered when products which are used in max. temperature.
- 8.** The appearance and size of products can be revised without any notice.
- 9. Requirements for electrostatic prevention:**
Wear wrist strap or static-proof glove when use products, and all the equipment, fixtures and worktable must put to earth.
- 10.** Must use driver with constant current.