

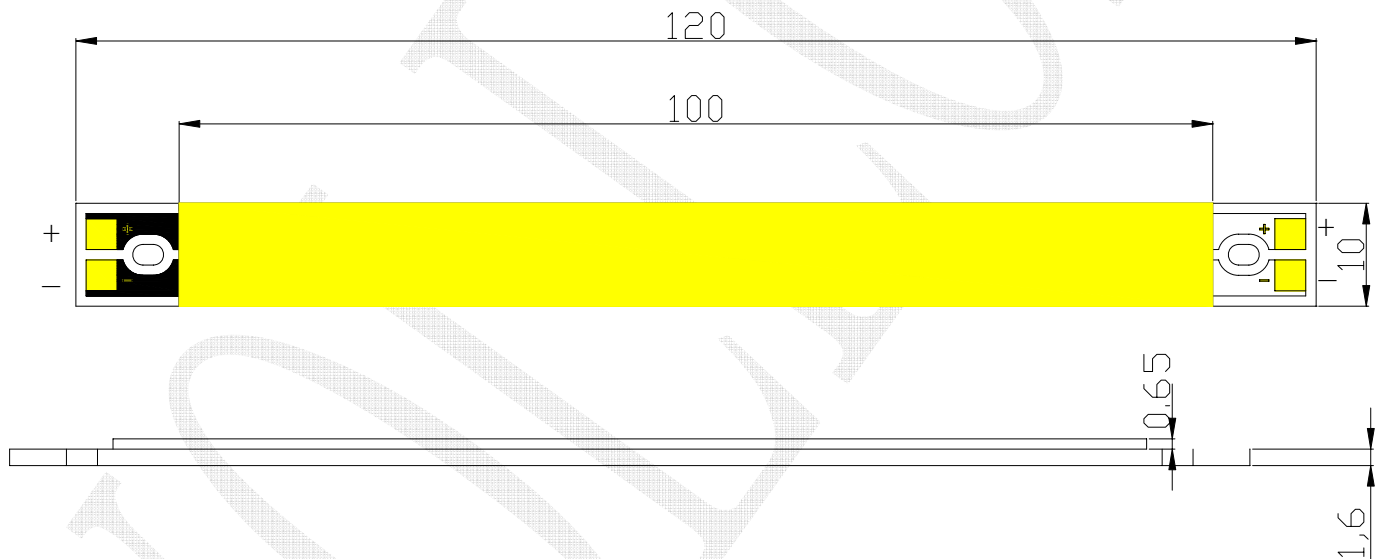


PRODUCT SPECIFICATION

※ Features:

- ◇ More Energy Efficient than incandescent and most halogen lamps
- ◇ Long operating life
- ◇ Low forward voltage operated
- ◇ Instant light (less than 100ns)
- ◇ No UV

※ Outline Dimensions



REVISION	ECN/ECR INFORMATION	TITLE:	SHEET No.
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P/N#: VL-H03W5500380D12	CREATED By	CHECKED By	APPROVED BY



PRODUCT SPECIFICATION

※ Absolute Maximum Ratings at Ta=25°C:

Parameter	Symbol	Maximum	Unit
Power Dissipation	Pd	3	W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IF(peak)	300	mA
Continuous Forward Current	IF	240	mA
LED junction temperature	JT	120	°C
Reverse Voltage	VR	5	V
Operating temperature range	Topr	-20°C to + 80°C	
Storage Temperature Range	Tstg	-30°C to + 100°C	

※ Electrical/Optical Characteristics at Ta=25°C:

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Luminous flux	ϕ	IF=240mA	150	170	190	Lm
Viewing Angle	2 θ 1/2	IF=240mA		170		deg
Forward Voltage	V _F	IF=240mA		13.5	15	V
Reverse Current	I _R	VR=5V				uA
Color Rendering Index Calculation	Spm	X	0.46		0.48	
	Spm	Y	0.46		0.49	
Correspondingly	CCT	IF=240mA	3000	3500		K

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PRODUCT SPECIFICATION

※Typical Electrical/Optical Characteristics Curve: (25°C Ambient Temperature Unless Otherwise Noted)

Fig1. Relative Intensity vs. Wavelength

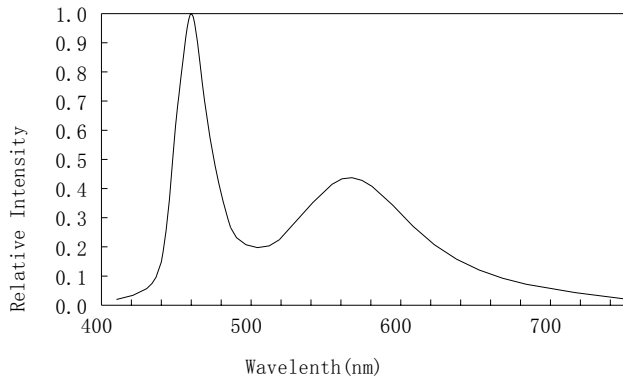


Fig2. Forward Current vs. Forward Voltage

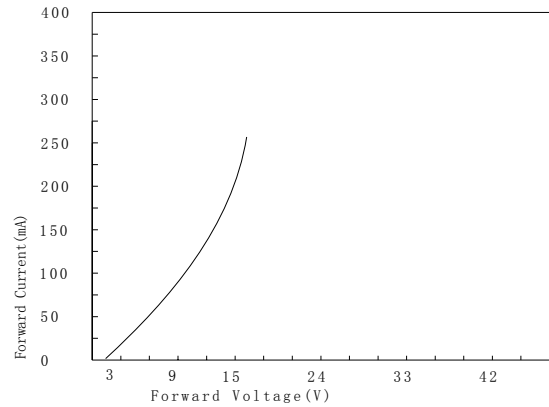


Fig3. Forward Current vs. Relative Intensity

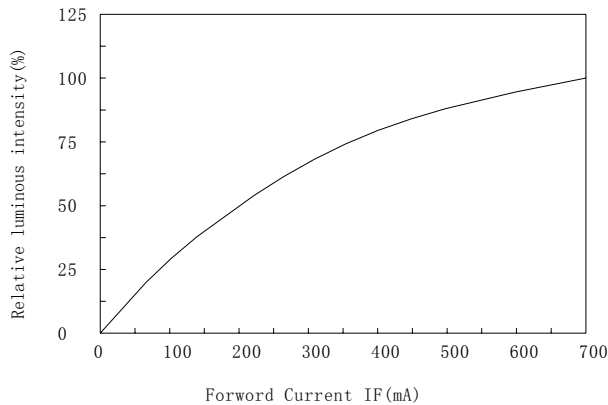
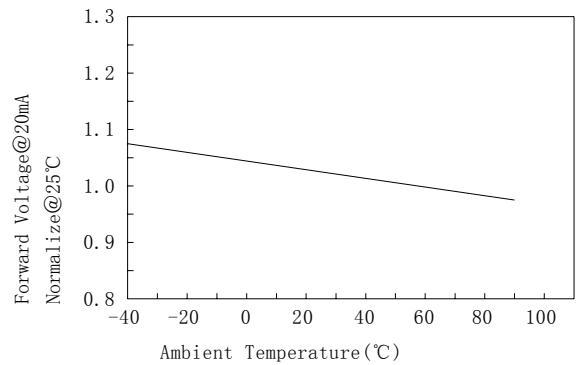


Fig4. Forward Voltage vs. Temperature



※Cautions:

Used this products , your may put the POWER LED lose hot chips and touch the lose hot install or enlarge the lose hot condition , so that when the lighting ,the products can lose hot , make sure that the lighting and long lifespan .

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