

SPECIFICATION FOR LED LAMP

Document No. : SPC/

Model No. PSW01037D

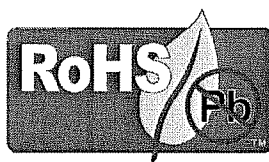
Rev. No. : A-01

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Description: High Power White Color LED Lamp

Dice Material: InGaN

Formal Specification



Package Outline mm±0.05	Features
	High luminous flux output for illumination
	Advertising signs & Back light
	Large viewing angle
	Very long operation life
	Low voltage DC operated

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Absolute maximum Rating	Unit
Forward Current	I _F	350	mA
Recommend Operation Current	I _F	<340	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	10	W
Operation Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Electrostatic Discharge Classification (MIL-STD-883E)	ESD	Class1	

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 350mA	15	16	17	V
Reverse Current	I _R	V _R = 5V	0	0	5	μA
Luminous Flux	lumen	I _F = 1050mA	450	480	500	lm
Correlate Color Temp.	CCT	I _F = 1050mA	6000	6200	6500	K
50% Power Angle	2 θ½	I _F = 1050mA				deg
Color Rending Index	CRI	I _F = 1050mA				

* Where pulse width ≤ 0.1msec, duty cycle ≤ 1/10

Typical Electrical & Optical Characteristics at Ta = 25°C

Important Notes:

- 1) The measurement tolerance of luminous Intensity is $\pm 10\%$.
- 2) The measurement tolerance of the Correlate Color Temp is $\pm 10\%$.
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- 3) The measurement tolerance of Vf is $\pm 1V$.
- 4) Pb content $< 1000\text{PPM}$.
- 5) Data is subject to change without prior notice; please refer to TONGYIFANG Sales for the latest version.
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- 6) Customer acknowledges that it should not operate the samples beyond the level recommended in the specification Guidelines.
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- 7) Customer also acknowledges that light from LEDs in the Samples is bright But no-radiant and may be intense enough to injure human eyes. Individuals should wear proper protective eye equipment at all times and not look directly into the LED light. Further, individuals should not look at reflected light originating from the LEDs for more than sixty (60) seconds.