

深圳市源泉光电子销售部



LED LAMP

Product Specifications

Name:LED 5mm White

Model:F51BC4BW-20

Product Overview

- Size 5mm round
- Ordinary iron silver-plated pin
- Half-power angle LED: 20°C

Product Features

- High-brightness
- Low-power
- High reliability and stability

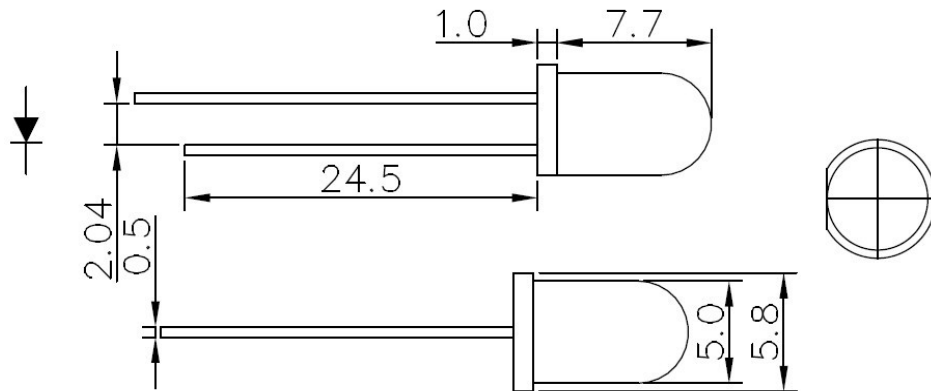
Product Application

- Small area lighting
- Ordinary light
- Background light

Product Description

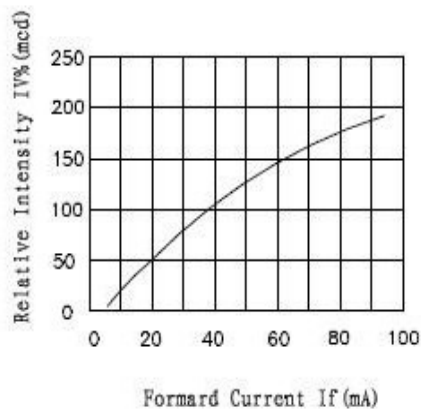
- This product is colorless and transparent, precision good optical design, the formation of a specific viewing angle with a uniform intensity distribution.

Product Dimensions

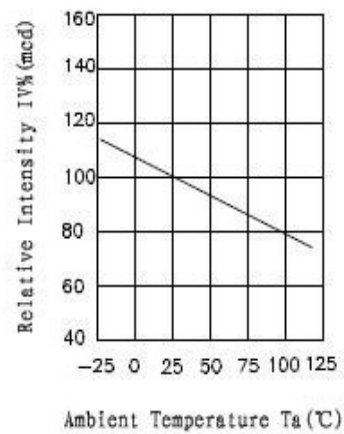


Note: Besides to the specified outside, all units in mm, a tolerance of $\pm 0.20\text{mm}$

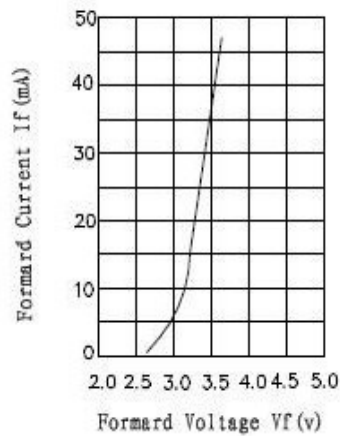
Relative Intensity vs. Forward Current



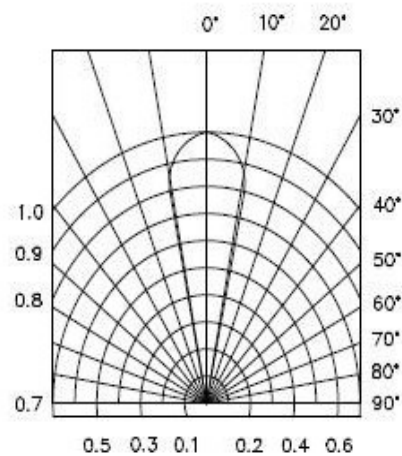
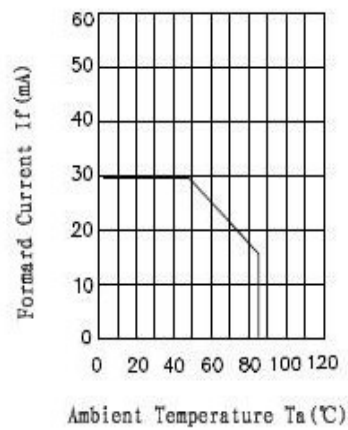
Relative Intensity vs. Ambient Temperature



Forward Current vs. Forward Voltage



Forward Current vs. Ambient Temperature



Absolute Maximum Ratings

Item	Symbol	Value	Unit
Power Consumption	PD	70	mW
DC current	I _F	30	mA
Pulse current*	I _{FP}	100	mA
Operating Temperature	T _{opr}	-25 ~+80	°C
Storage Temperature	T _{stg}	-30 ~+100	°C

*Pulse current not more than 10seconds

Characteristics of optoelectronic products

(I_F = 20mA , Ta = 25 °C)

Part No.	Light Intensity (mcd)		Forward Voltage(V)		Color temperature (K)		Reverse Leakage (μA)		
	Typ	Max	Typ	Max	Typ	Max	Max	VR	
F51BC4B W	20000	25000	3	3.4	8000	8500	5	5	

Note:

- 1) Product photoelectric level of performance by the Company to decide, products optical and electrical properties of the different levels to different customers to decide based on one's own conditions of use.
- 2) Measurement of luminous intensity tolerance is ± 15%.
- 3) Voltage measurement tolerance of± 0.05V.
- 4) Tolerance of measurement of the dominant wavelength is ± 1nm.
- 5) We have been continuous efforts to improve the performance of LED products, specifications are subject to change without notice.