深圳市源泉光电子销售部

LED LAMP Product Specifications

Name:LED 5mm Yellow
Model:F53GD4SY-1

Product Overview

- Size 5mm round
- Ordinary iron silver-plated pin
- Half-power angle LED: 90°C

Product Features

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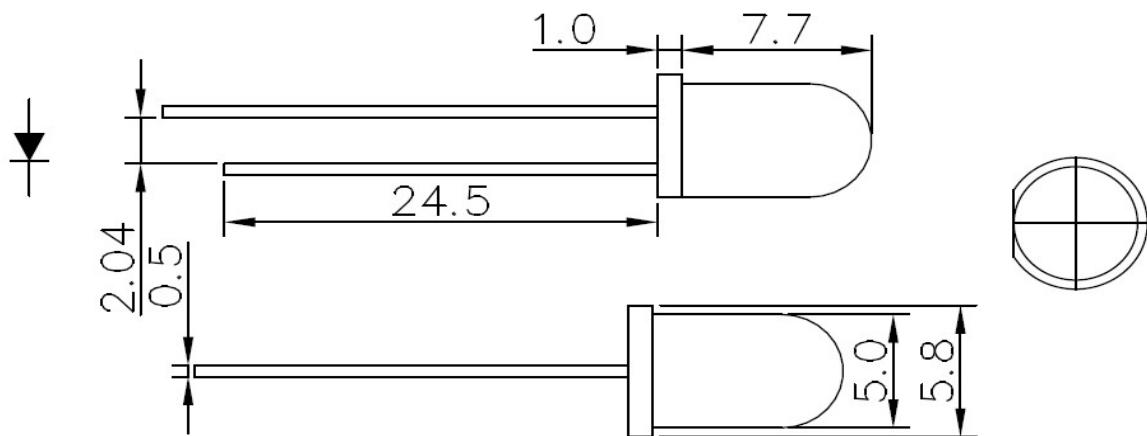- High reliability and stability

Product Application

- Small area lighting
- Ordinary light
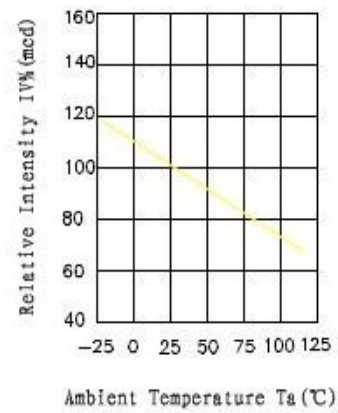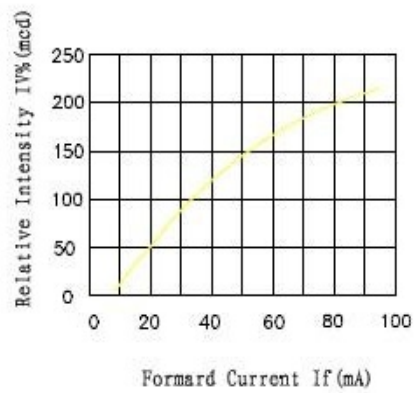- Background light

Product Description

- This product is the appearance of yellow scattering, precision good optical design,the formation of a specific viewing angle with a uniform intensity distribution.
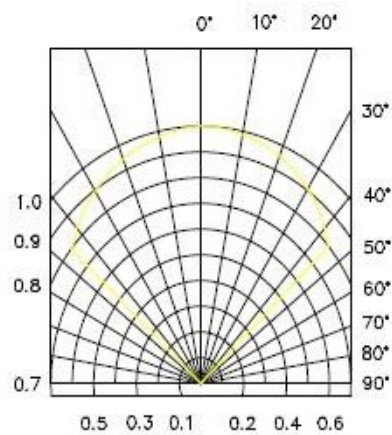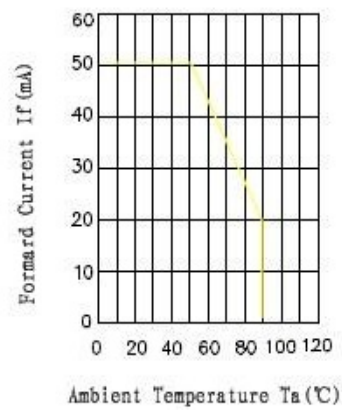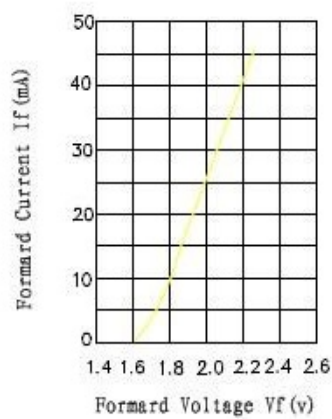
Product Dimensions

Note: Besides to the specified outside, all units in mm, a tolerance of ± 0.20mm.

Relative Intensity vs. Forward Current

Relative Intensity IV% (mcd)

250
200
150
100
50
0

0 20 40 60 80 100

Forward Current If (mA)

Relative Intensity vs. Ambient Temperature

Relative Intensity IV% (mcd)

160
140
120
100
80
60
40

−25 0 25 50 75 100 125

Ambient Temperature Ta (°C)

Forward Current vs. Forward Voltage

Forward Current If (mA)

50
40
30
20
10
0

1.4 1.6 1.8 2.0 2.2 2.4 2.6

Forward Voltage Vf (v)

Forward Current vs. Ambient Temperature

Forward Current If (mA)

60
50
40
30
20
10
0

0 20 40 60 80 100 120

Ambient Temperature Ta (°C)

0° 10° 20° 30° 40° 50° 60° 70° 80° 90°

1.0
0.9
0.8
0.7

0.5 0.3 0.1 0.2 0.4 0.6

Absolute Maximum Ratings

Item	Symbol	Value	Unit
Power Consumption	PD	50	mW
DC current	I_F	30	mA
Pulse current*	I_{FP}	100	mA
Operating Temperature	T_{opr}	-25～+80	℃
Storage Temperature	T_{stg}	-30～+100	℃

*Pulse current not more than 10seconds

Characteristics of optoelectronic products

(I_F = 20mA ,Ta = 25 ℃)

Part No.	Light Intensity (mcd)		Forward Voltage(V)		Wavelength (nm)		Reverse Leakage (μA)	
	Typ	Max	Typ	Max	Typ	Max	Max	VR
F53GD3SY	100	200	1.9	2.3	588	592	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.