

<b>Model. No.</b>	QG-3004YD1D
<b>Rev.</b>	A

# PRODUCT SPECIFICATION

## Model No.: QG-3004YD1D

Descriptions:
■ Dice material: GaP
■ Emitting Color: Yellow
■ Device Outline: Φ3mm round type without edge.
■ Lens Type: Yellow diffused



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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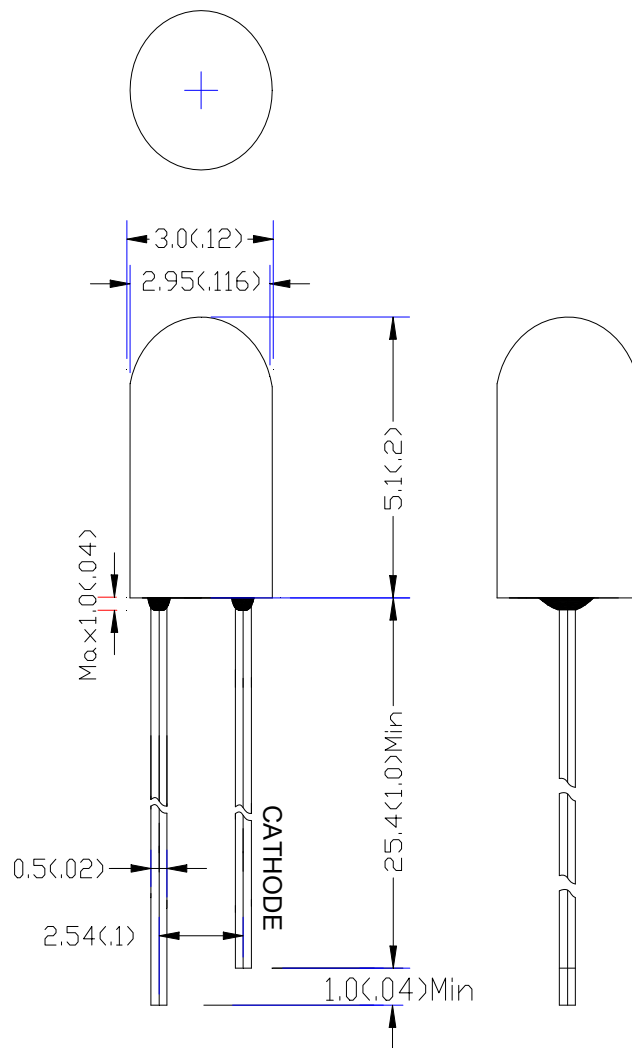
[www.quguang-lighting.com](http://www.quguang-lighting.com)

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## ■ Features

1. Low power consumption.
2. High efficiency.
3. General purpose leads.
4. RoHs compliant.

## ■ Package configuration



### Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is  $\pm 0.25\text{mm}$  (.010") unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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■ Absolute maximum ratings( $T_a=25\text{ }^{\circ}\text{C}$ )

Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50 $^{\circ}\text{C}$	0.4	mA/ $^{\circ}\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	
Storage Temperature Range	-40 $^{\circ}\text{C}$ to +100 $^{\circ}\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^{\circ}\text{C}$ for 5 Seconds	

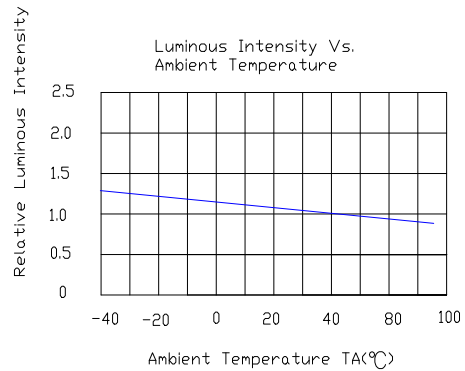
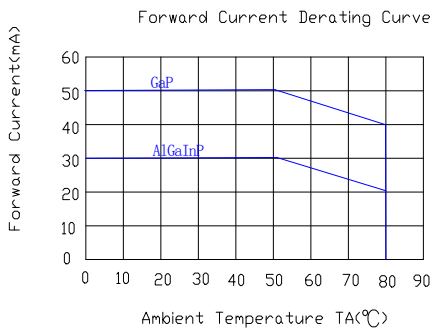
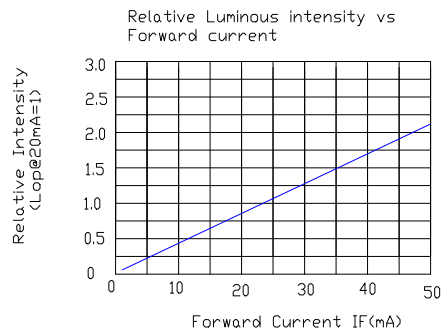
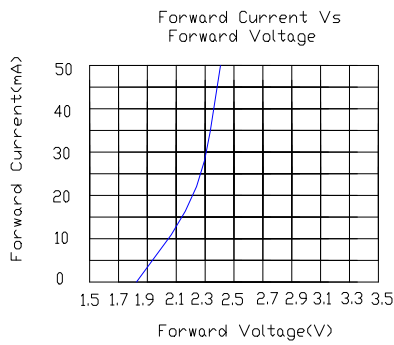
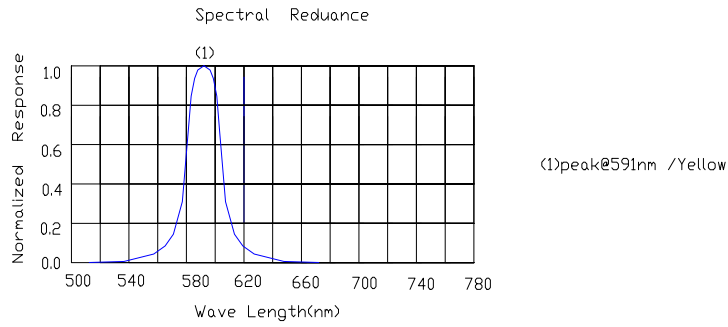
■ Electrical and optical characteristics( $T_a=25\text{ }^{\circ}\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	-	30	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	40	-	Deg	
Peak Emission Wavelength	$\lambda_p$	-	591	-	nm	
Dominant Wavelength	$\lambda_d$	585	590	595	nm	
Forward Voltage	$\Delta\lambda$	-	30	-	nm	
Spectral Line Half-Width	$V_F$	1.8	2.1	2.6	V	
Reverse Current	$I_R$			10	$\mu\text{A}$	$V_R=5\text{V}$

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■ **Typical Electrical Characteristics Curves**

**(25 °c Ambient Temperature Unless Otherwise Noted)**



**Radiation pattern.**

