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# **QT-Brightek Lamp Series**

## **3mm Round Lamp**

**Part No.: QBL7YG60D**

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## Introduction

### Feature:

- Green diffused lens
- 3mm round lamp
- GaP technology
- Viewing angle: 60° typ.

### Description:

These super bright 3mm round type lamps with 5.08mm lens height are suitable for all applications requiring higher brightness.

### Application:

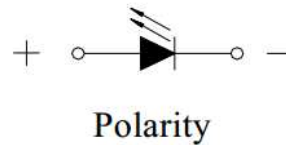
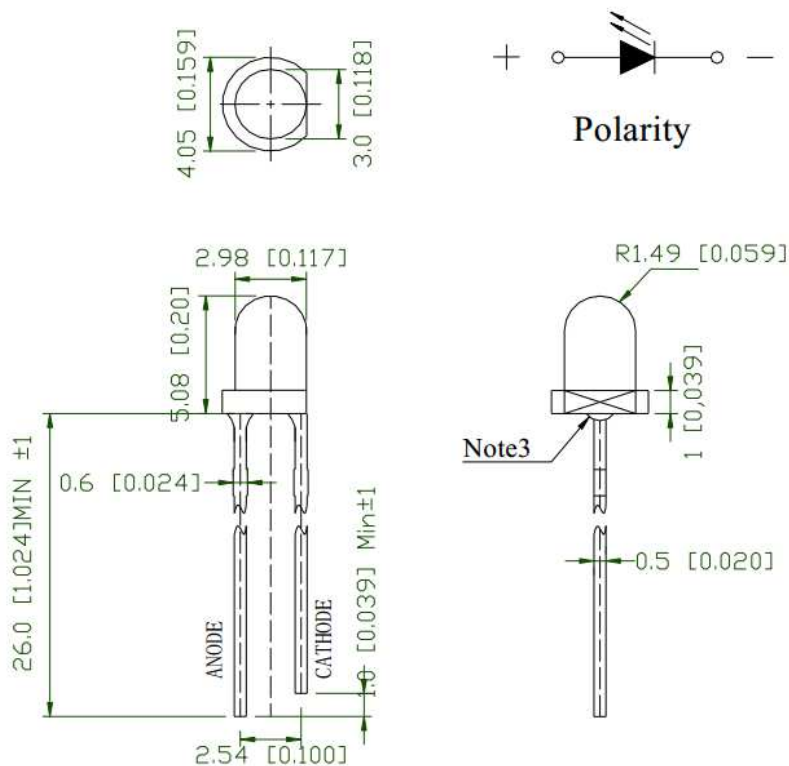
- General purpose indicator application
- Electronic signs and electronics board
- LED lighting

### Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



## Dimension:



Units: mm / general tolerance = +/-0.25mm unless otherwise specified

**Electrical / Optical Characteristic (Ta=25 °C)**

Product	Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ <sub>d</sub> (nm)	λ <sub>p</sub> (nm)	I <sub>V</sub> (mcd)	
			Typ.	Max.	Typ.	Typ.	Min.	Typ.
QBL7YG60D	Yellow	10	2.0	2.3	570	565	9	25
	Green	20	2.2	2.6			20	45

**Absolute Maximum Rating**

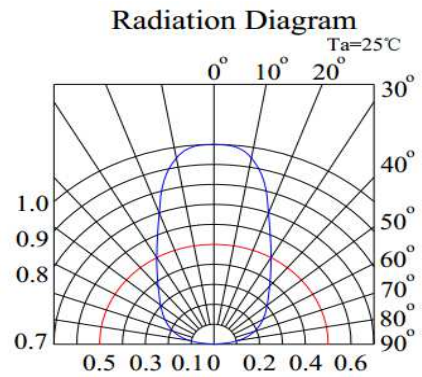
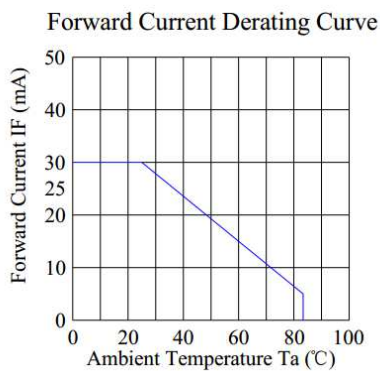
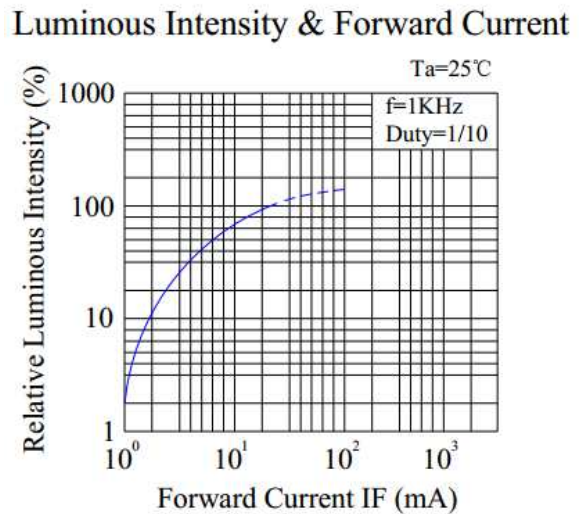
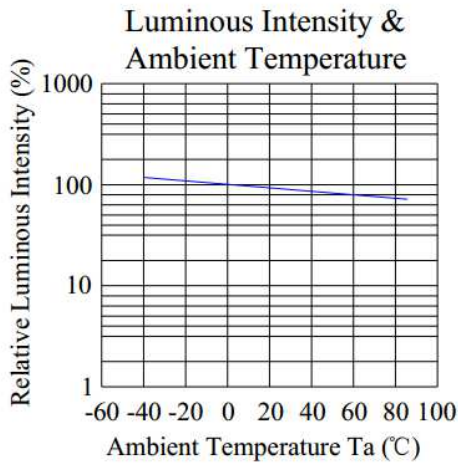
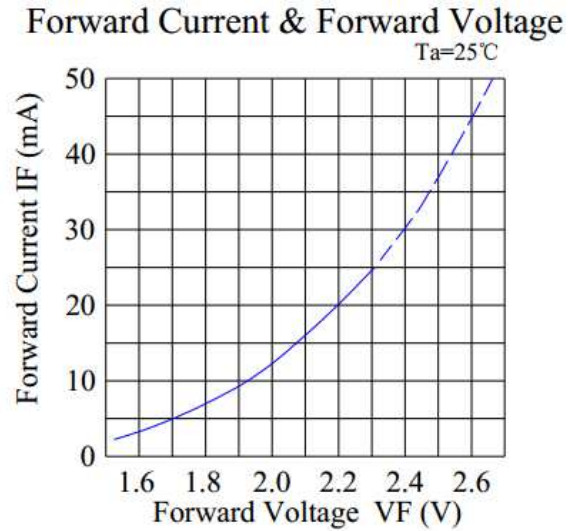
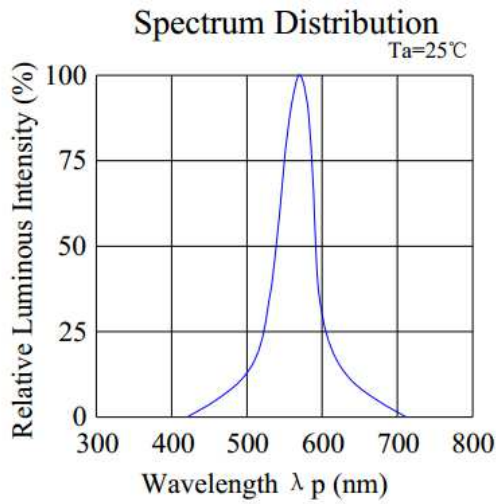
Material	P <sub>d</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	V <sub>R</sub> (V)	T <sub>OP</sub> (°C)	T <sub>ST</sub> (°C)	T <sub>SO L</sub> (°C)**
GaP	78	30	100	5	-40 to +85	-40 to +100	260

\*1/10 Duty Cycle, 0.1ms Pulse Width

\*\*Wave Soldering for no more than 3 sec @ 260 °C



## Characteristic Curves



**Labeling**

Part No: \_\_\_\_\_

Customer P/N: \_\_\_\_\_

Item: \_\_\_\_\_

Q'ty: \_\_\_\_\_

LOT NO: \_\_\_\_\_

Date: \_\_\_\_\_

**Made in China****Ordering Information**

Part #	Orderable Part #	Spec Range	Quantity per bag (Bulk Pack)
QBL7YG60D	QBL7YG60D	Iv=25mcd typ. @ I <sub>F</sub> =10mA, λd: 570nm typ.	500pcs

**Revision History**

Description:	Revision #	Revision Date
New Release of QBL7YG60D	V1.0	07/20/2017

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.