

# **QT-Brightek Lamp Series**

## **3mm Round Lamp**

**Part No.: QBL7SA30C**

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**Table of Contents:**

Introduction .....	3
Electrical / Optical Characteristic (Ta=25 °C) .....	4
Absolute Maximum Rating .....	4
Characteristic Curves.....	5
Ordering Information .....	6
Revision History .....	7
Disclaimer .....	7

## Introduction

**Feature:**

- Water clear lens
- Packed in bulk
- 3mm round lamp
- AlGaAs technology
- Viewing angle: 30° typ.

**Description:**

These bright 3mm round type lamps are suitable for all indicator applications such as electronic signs and electronic board indicator.

**Application:**

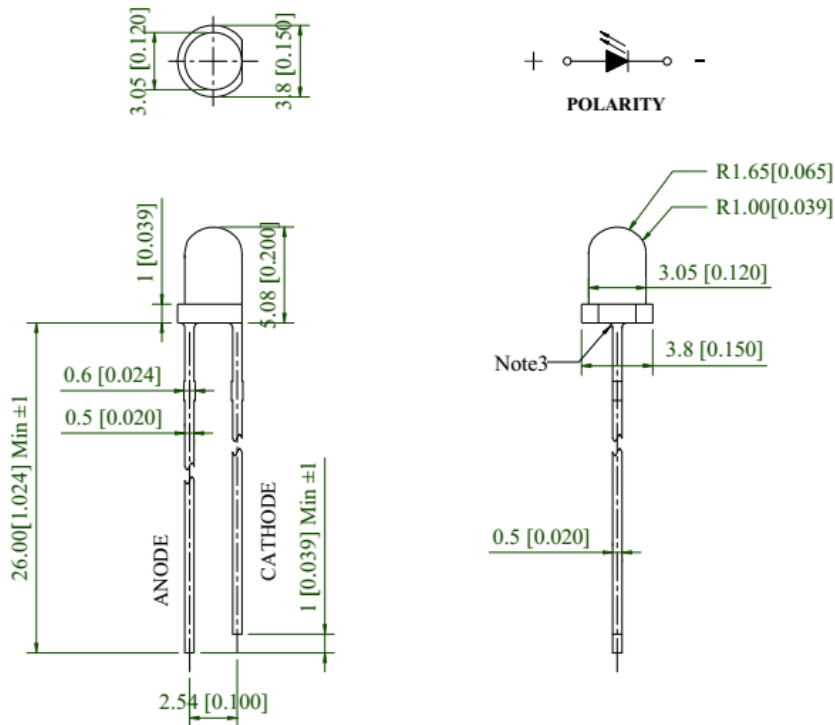
- General purpose indicator application
- Electronic signs and electronics board
- LED lighting

**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)	I <sub>V</sub> (mcd)	
			Typ.	Max.	Typ.	Min.	Typ.
QBL7SA30C	Deep Red	20	1.8	2.4	640	45	90

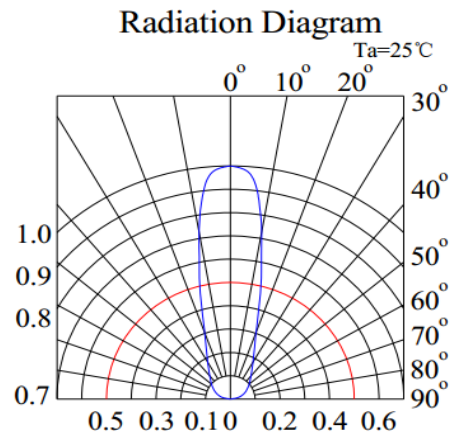
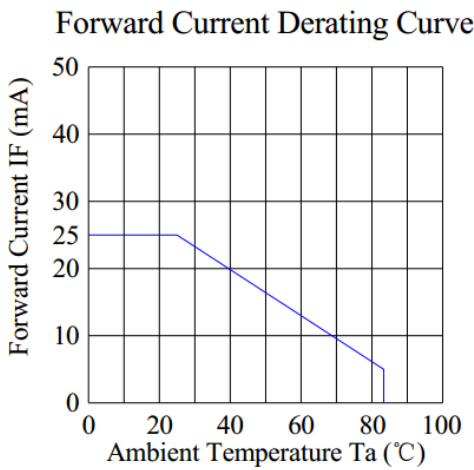
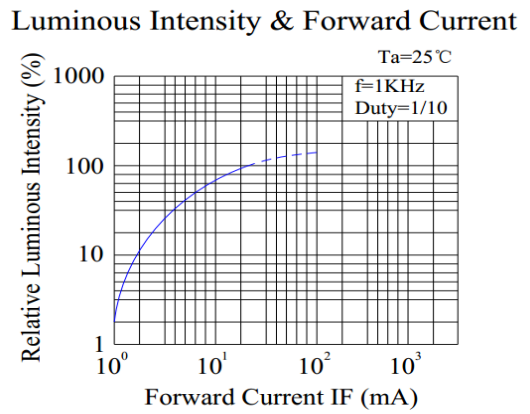
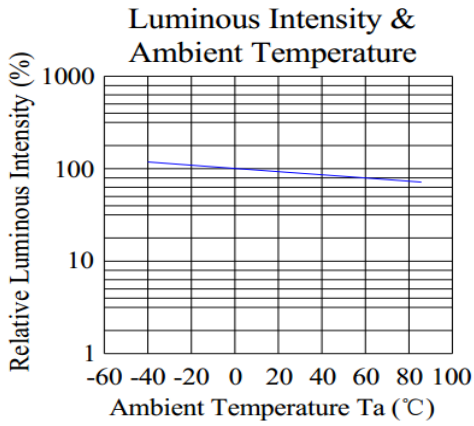
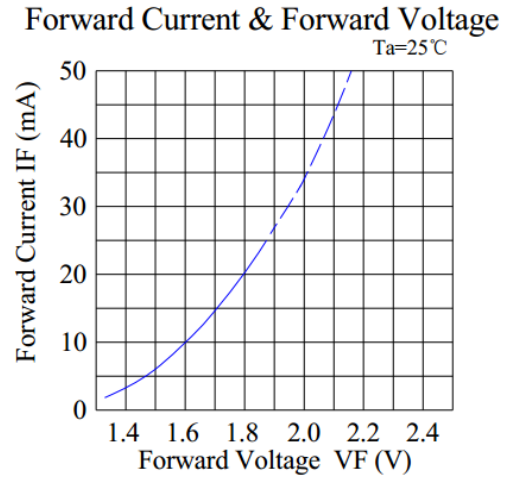
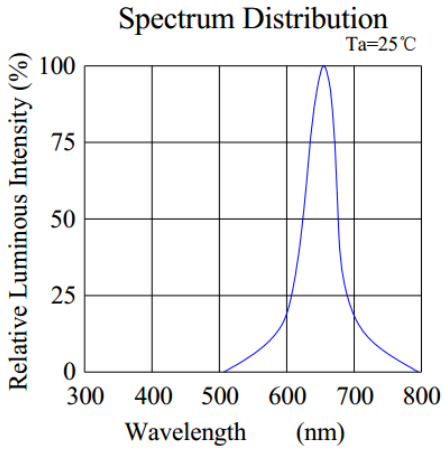
**Absolute Maximum Rating**

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>SOL</sub> (°C)**
AlGaAs	60	25	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



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**Ordering Information**

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL7SA30C	QBL7SA30C	Iv=90mcd typ. @ 20mA, $\lambda_D=640\text{nm}$ typ.	500pcs

## Revision History

Description:	Revision #	Revision Date
New Release of QBL7SA30C	V1.0	11/22/2017

## Disclaimer

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1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
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.