



**QT-Brightek Lamp Series**  
**3mm Round Deep Red LED**  
**Part No.: QBL7R50C-2897**  
**2897: High Brightness**

Product: QBL7R50C-2897	Date: May 25 <sup>th</sup> , 2022	Page 1 of 7
	Version# 1.0	



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## Introduction

### Feature:

- Clear lens
- High brightness red
- Package in bulk pack
- 3mm round lamp
- Viewing angle: 50° typ.

### Description:

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

### Application:

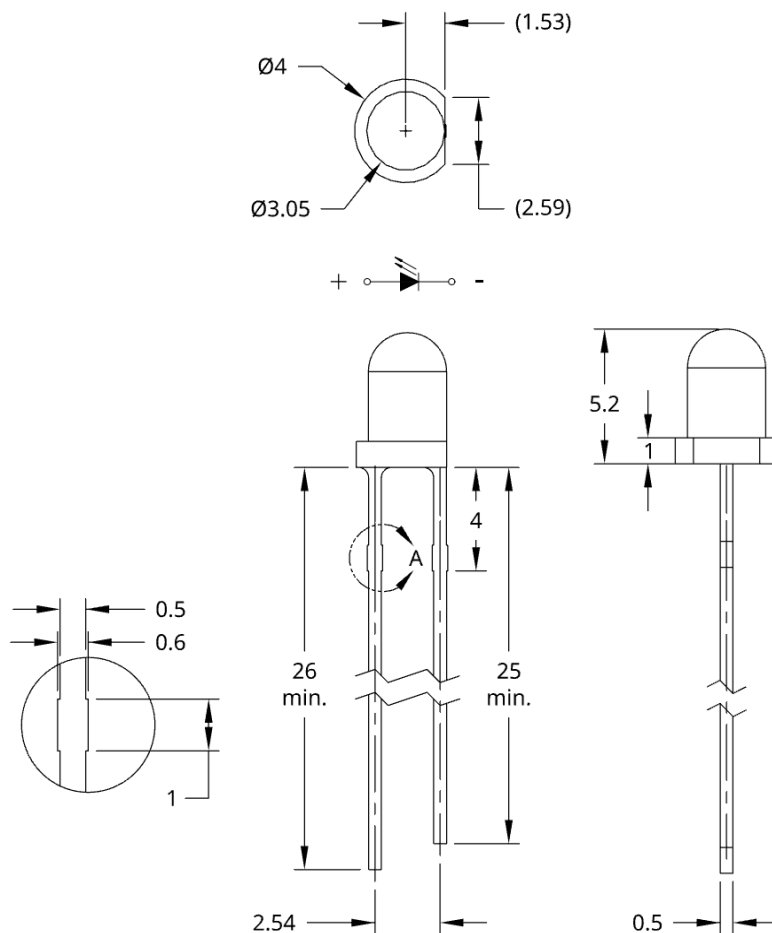
- General purpose indicator application
- Electronic signs and electronics board

### Certification & Compliance:

- ISO9001
- RoHS Compliant



## Dimension:



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



QBL7R50C-2897

3mm Round Lamp

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

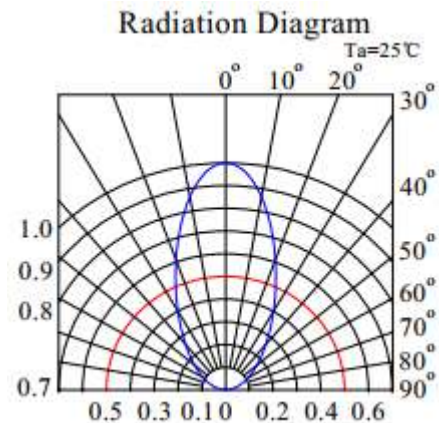
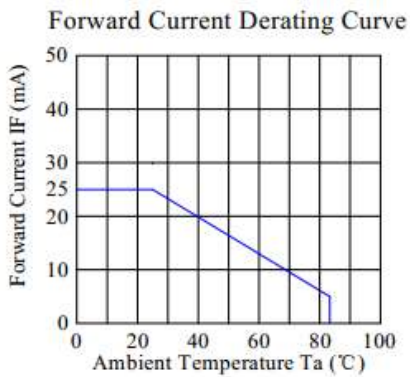
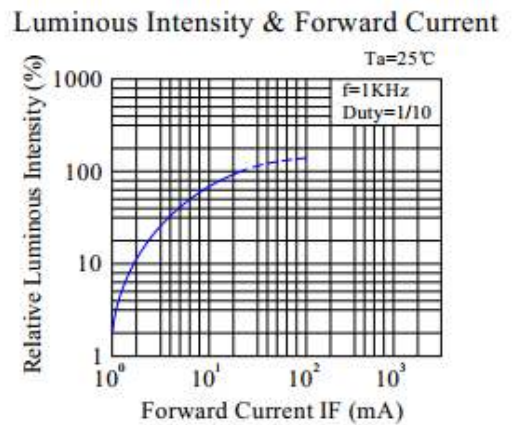
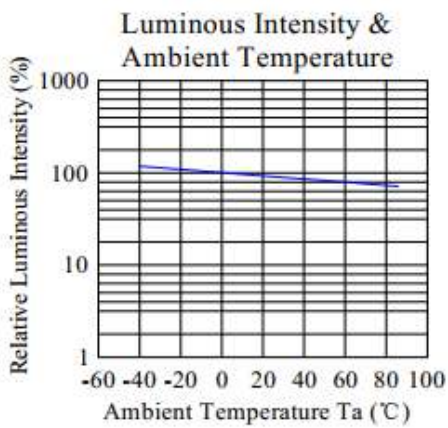
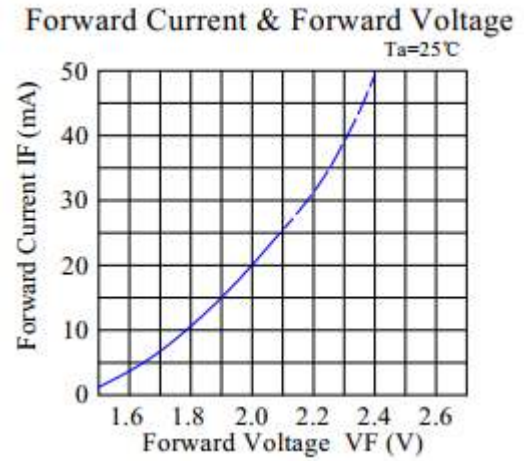
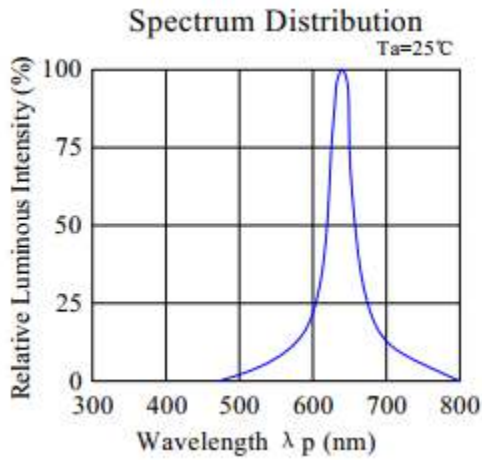
Product	Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ <sub>D</sub> (nm)	λ <sub>P</sub> (nm)	I <sub>V</sub> (mcd)	
			Typ.	Max.	Typ.	Typ.	Min.	Typ.
QBL7R50C-2897	Red	20	2.0	2.4	625	635	1800	2700

**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)
AllnGaP	60	25	100	5	-40 ~ +85	-40 ~ +100

\*Duty Factor = 10%, Frequency=1kHz

## Characteristic Curves





QBL7R50C-2897

3mm Round Lamp

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### Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL7R50C-2897	QBL7R50C-2897	Iv=2700mcd typ. @ 20mA, $\lambda_D=625\text{nm}$ typ.	500pcs



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## Revision History

Description:	Revision #	Revision Date
New Release of QBL7R50C-2897	V1.0	05/25/2022

## Disclaimer

QT-BRIGHTEK reserves the right to make changes without further notice to any products herein to improve reliability, function or design. QT-BRIGHTEK does not assume any liability arising out of the application or use of any product or circuit described herein; neither does it convey any license under its patent rights, nor the rights of others.

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QT-BRIGHTEK's products are not authorized for use as critical components in life support devices or systems without the express written approval of QT-BRIGHTEK. As used herein:

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.