

QT-Brightek Lamp Series
5mm Bi-Color Round Lamp

Part No.: QBL8RAG60D1

60: Viewing Angle 60 Deg Typical
D: White Diffused Lens
1: Common Cathode



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Introduction

Feature:

- White diffused lens
- Bi-Color Red (R) 624nm + Green (AG) 570nm
- Package in bulk pack
- Super bright 5mm round lamp
- AllnGaP technology
- Viewing angle: 60° typ.
- 1: Common Cathode

Description:

These super bright 5mm round type lamps with 8.65mm lens height are suitable for all applications requiring higher brightness.

Application:

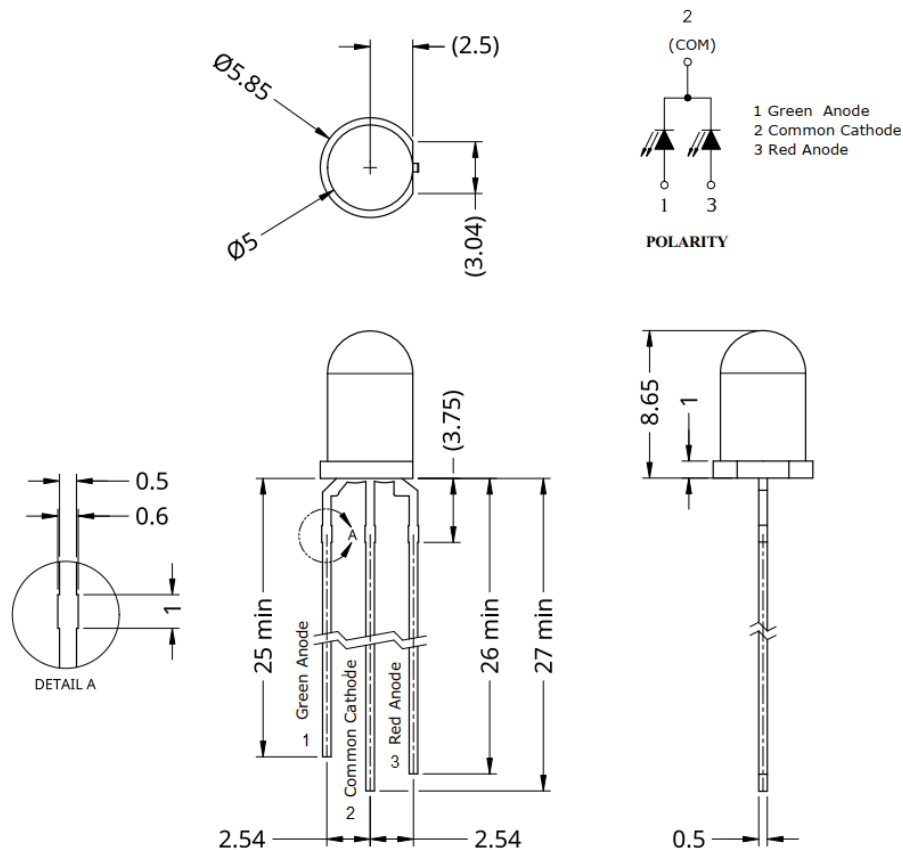
- General purpose indicator application
- Electronic signs and electronics board
- LED lighting

Certification & Compliance:

- ISO9001
- RoHS Compliant



Dimension:



Units: mm / Unidentified tolerance = +/-0.25mm

Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I _F (mA)	V _F (V)		λ _D (nm)	λ _P (nm)	I _V (mcd)	
			Typ.	Max.	Typ.	Typ.	Min.	Typ.
QBL8RAG60D1	Red	20	2.0	2.4	624	632	110	260
	Green		2.0	2.4	570	573	45	110

Absolute Maximum Rating

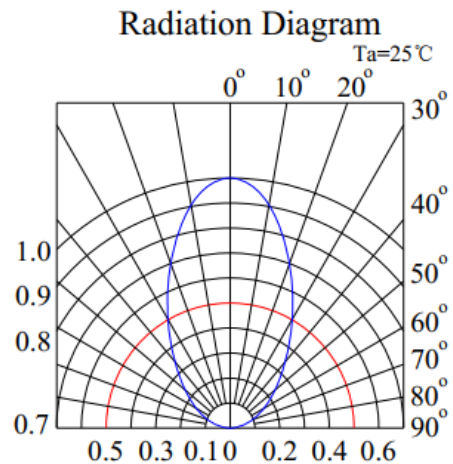
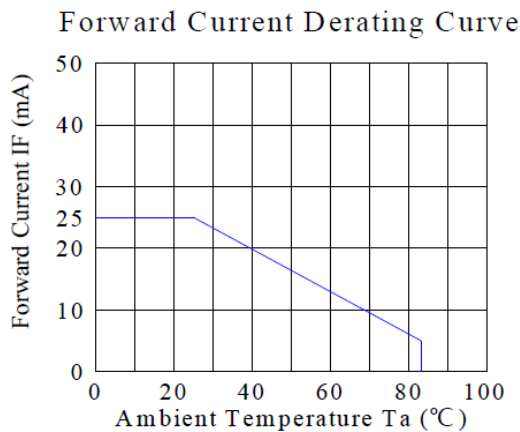
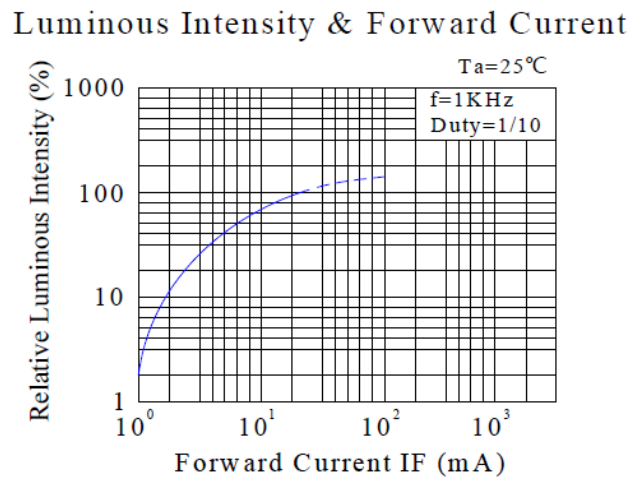
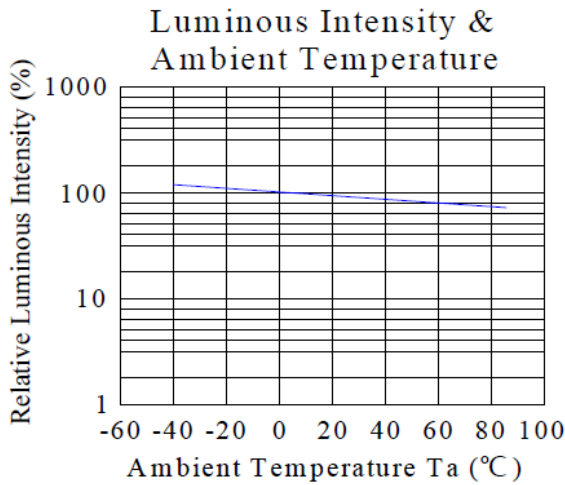
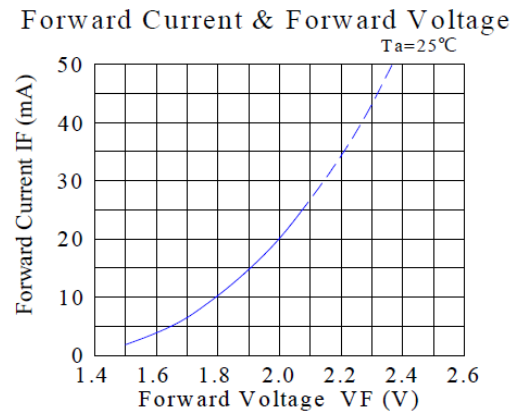
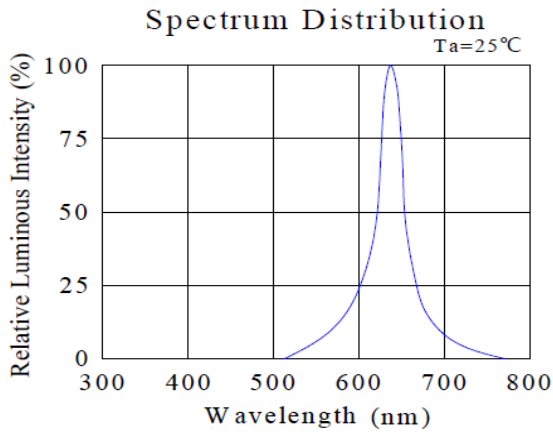
Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)	T _{SoL} (°C)**
AllnGaP	60	25	100	5	-40 to +85	-40 to +100	260

*Duty 1/10 @ 1KHz

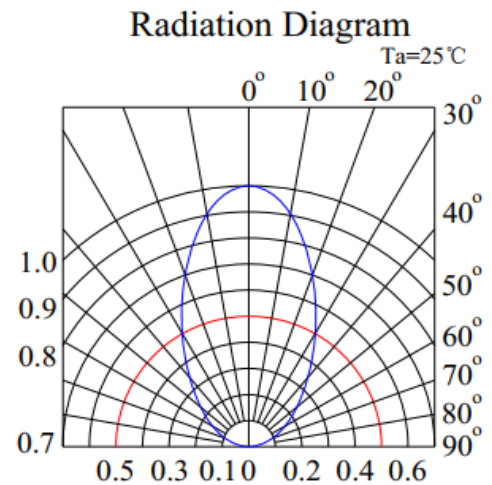
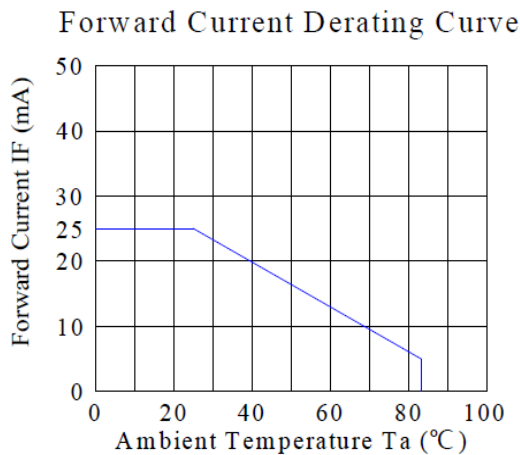
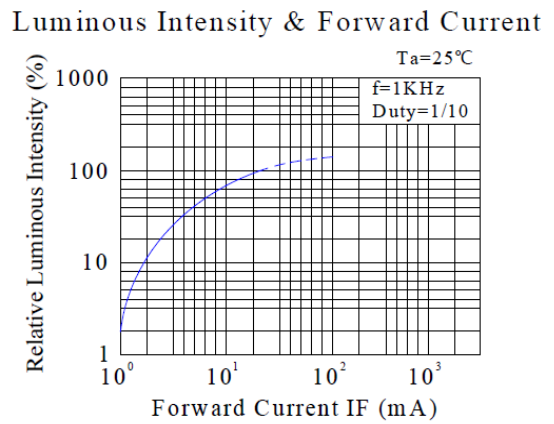
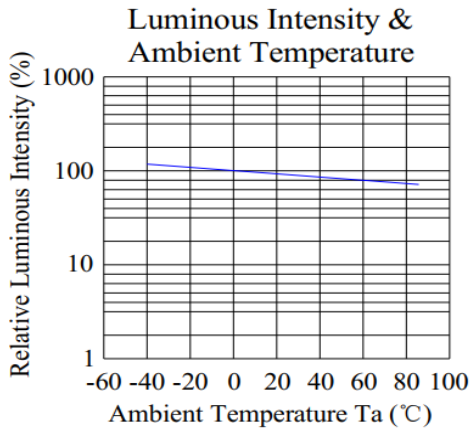
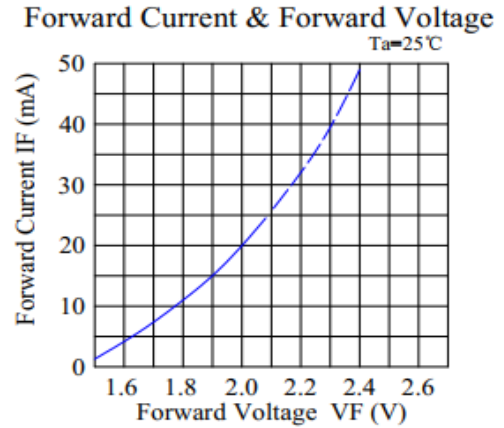
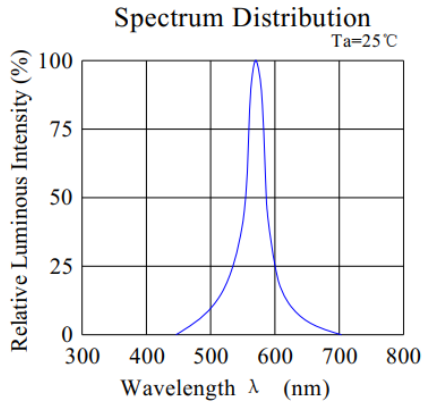
**Wave soldering for no more than 5 sec @ 260 °C

Characteristic Curves

Red (R)



Green (AG)





QBL8RAG60D1

5mm Bi-Color Round Lamp

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL8RAG60D1	QBL8RAG60D1	Red: $I_v=260\text{mcd typ. @ } I_F=20\text{mA, } \lambda_D=624\text{nm typ.}$ Green: $I_v=110\text{mcd typ. @ } I_F=20\text{mA, } \lambda_D=570\text{nm typ.}$	500pcs

Revision History

Description:	Revision #	Revision Date
New Release of QBL8RAG60D1	V1.0	01/20/2020
Update characteristic curve for AG	V1.1	04/16/2020
Update typical brightness value for AG	V1.2	01/04/2022
Drawing update	V1.3	06/24/2022

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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.