

QT-Brightek Lamp Series

8mm Round LED

Part No.: QBL12XX30C

XX: Color Code

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Introduction

Feature:

- Clear lens
- Package in bulk pack
- 8mm round lamp
- AllnGaP technology
- Viewing angle: 30° typ.

Description:

These bright 8mm round type lamps are suitable for all indicator applications such as electronic signs and electronics board indicator

Application:

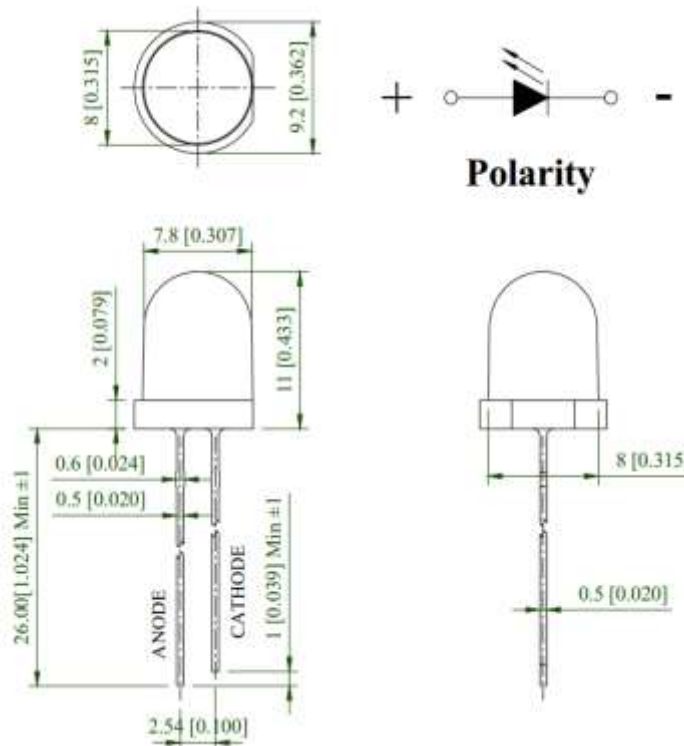
- General purpose indicator application
- Electronic signs and electronics board

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



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

Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I _F (mA)	V _F (V)		λ _D (nm)	I _V (mcd)	
			Typ.	Max.	Typ.	Min.	Typ.
QBL12R30C	Red	20	2.0	2.4	624	1300	2200
QBL12Y30C	Yellow	20	2.0	2.4	590	780	1300

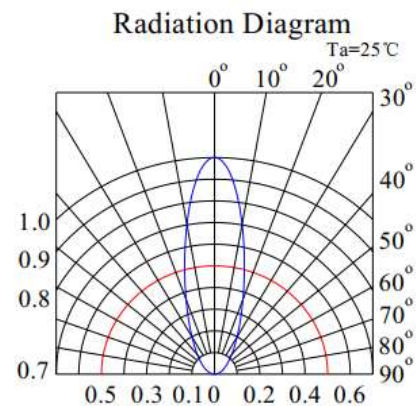
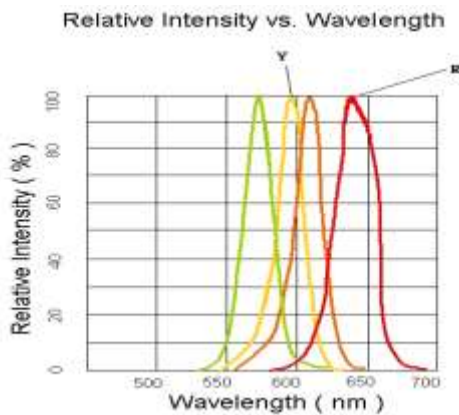
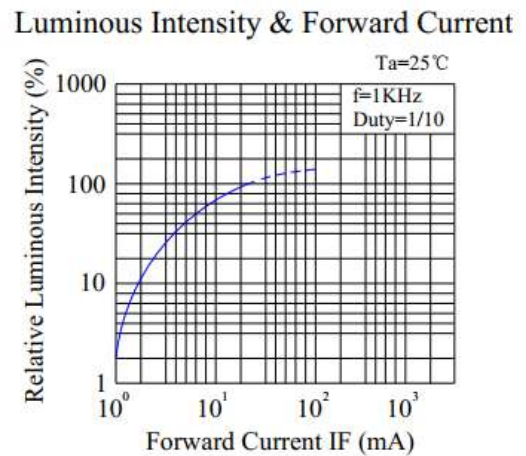
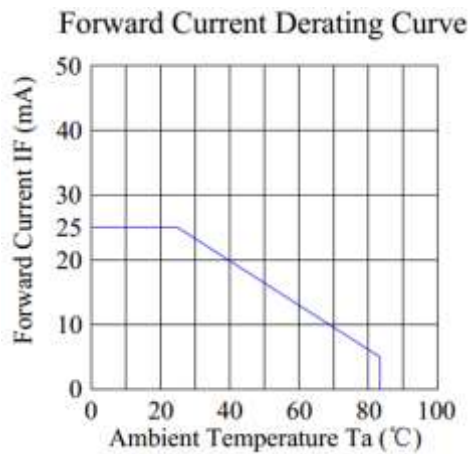
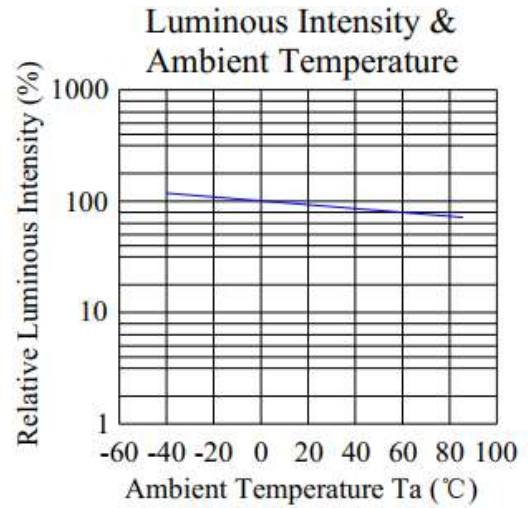
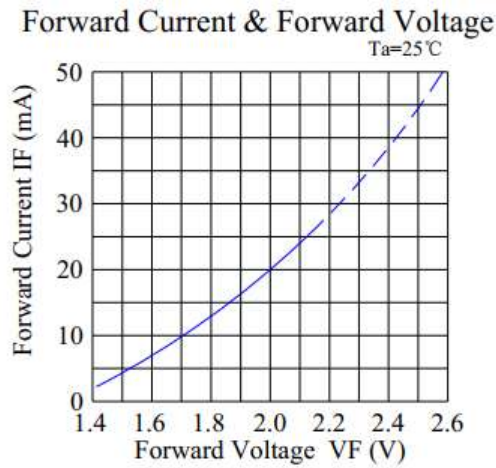
Absolute Maximum Rating

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

*Duty Factor=10%, Frequency=1kHz

Characteristic Curves

AllnGaP





Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL12R30C	QBL12R30C	Iv=2200mcd typ. @ 20mA, $\lambda_D=624\text{nm}$ typ.	400pcs
QBL12Y30C	QBL12Y30C	Iv=1300mcd typ. @ 20mA, $\lambda_D=590\text{nm}$ typ.	400pcs

Revision History

Description:	Revision #	Revision Date
New Release of QBL12XX30C	V1.0	08/19/2019

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.