

QT-Brightek Lamp Series

8mm Round LED

Part No.: QBL12XX25C

XX: Color Code

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Introduction

Feature:

- Clear lens
- Package in bulk pack
- 8mm round lamp
- AllnGaP technology
- Viewing angle: 25° typ.

Description:

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

Application:

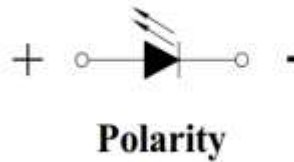
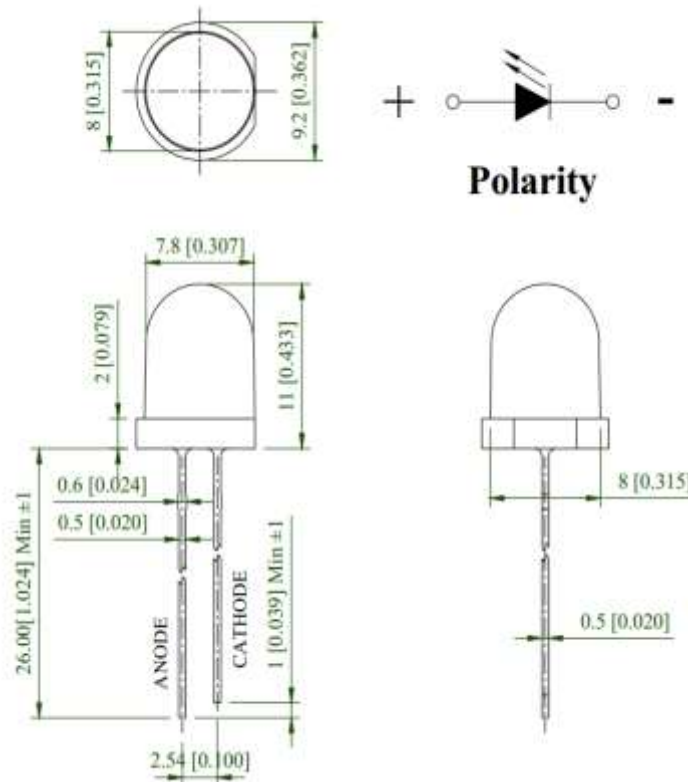
- General purpose indicator application
- Electronic signs and electronics board

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.
QBL12IG25C	Green	20	3.2	3.6	525	11000	18000
QBL12IB25C	Blue	20	3.2	3.6	470	2900	5000

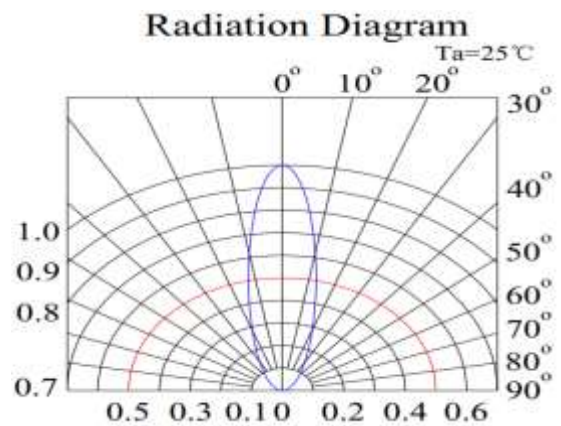
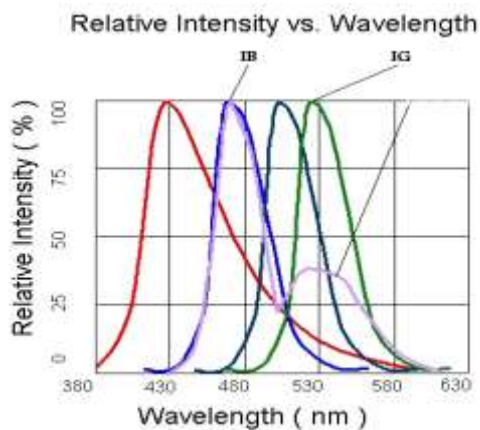
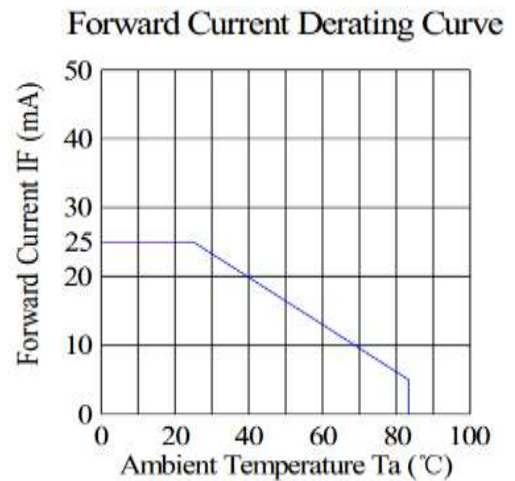
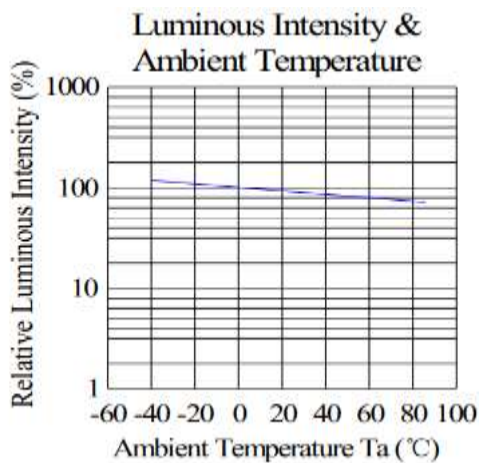
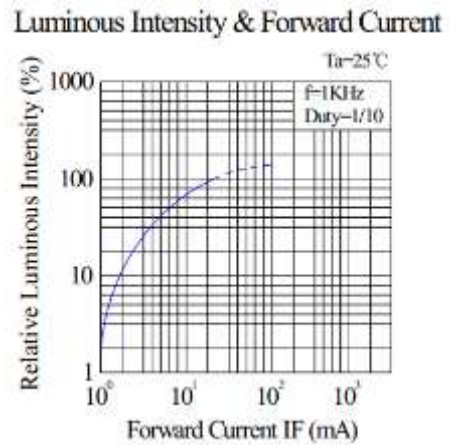
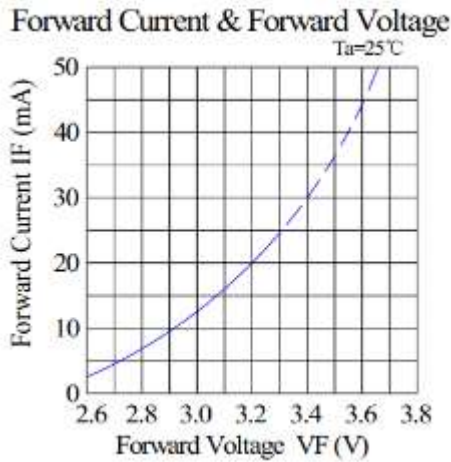
Absolute Maximum Rating

Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
InGaN	90	25	100	5	-40 ~ +85	-40 ~ +100

*Duty Factor=10%, Frequency=1kHz

Characteristic Curves

InGaN





Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL12IG25C	QBL12IG25C	Iv=18000mcd typ. @ 20mA, $\lambda_D=624\text{nm}$ typ.	400pcs
QBL12IB25C	QBL12IB25C	Iv=5000mcd typ. @ 20mA, $\lambda_D=590\text{nm}$ typ.	400pcs

Revision History

Description:	Revision #	Revision Date
New Release of QBL12XX25C	V1.0	08/16/2019

Disclaimer

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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.