

QT-Brightek Lamp Series

5mm Flat Top Cylindrical Lamp

Part No.: QBFL8XX110CL Series

L: Low Profile (Lens Height: 5.3mm)



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Introduction

Feature:

- Water clear lens
- Package in bulk pack
- 5mm flat top cylindrical lamp
- AlInGaP technology
- Viewing Angle: 110° typ.

Description:

These 5mm flat top round lamps with 5.3mm lens height are suitable for all indicator applications.

Application:

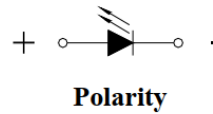
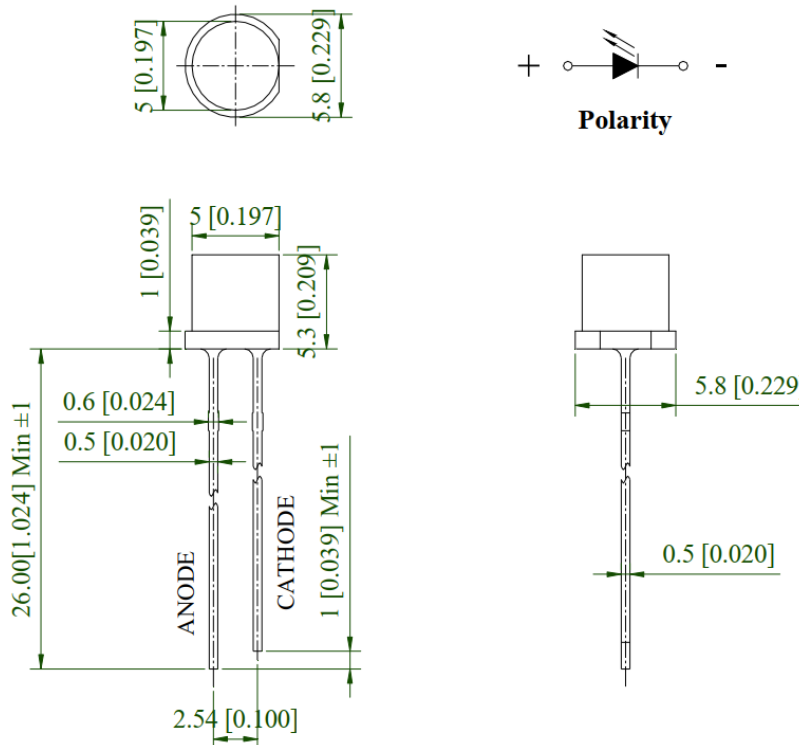
- General purpose indicator application
- Electronic signs and electronics board
- Circuit board

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



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

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.
QBFL8R110CL	Red	20	2.0	2.6	624	120	210
QBFL8O110CL	Orange	20	2.0	2.6	605	120	210
QBFL8Y110CL	Yellow	20	2.0	2.6	590	160	270

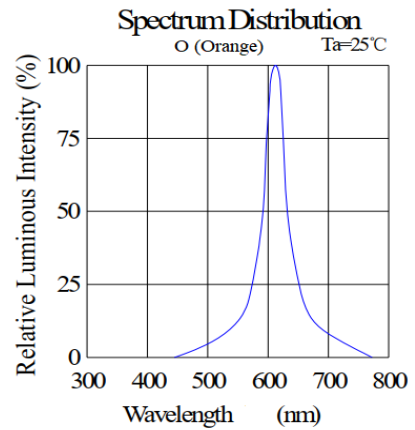
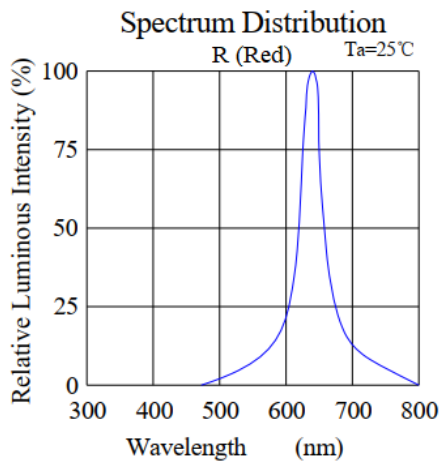
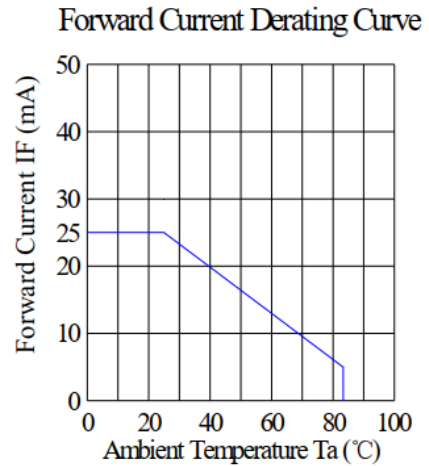
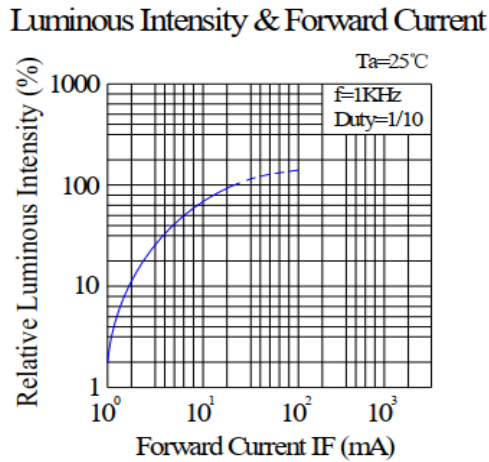
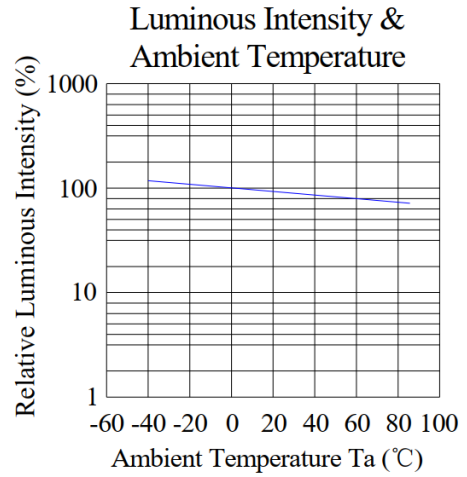
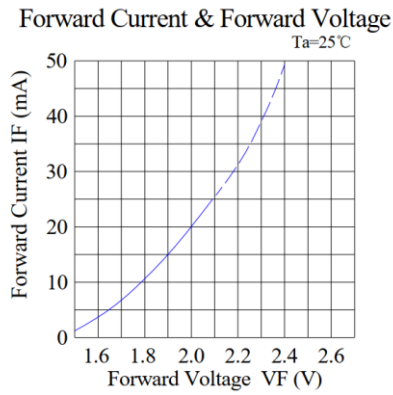
Absolute Maximum Rating

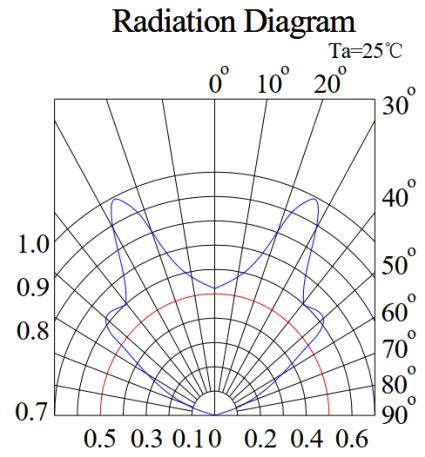
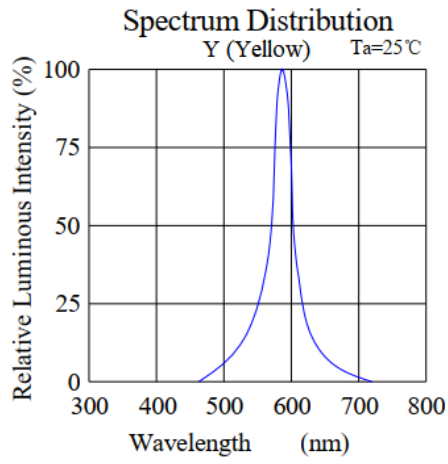
Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)	T _{sol} (°C)**
AllnGaP	65	25	100	5	-40 to +85	-40 to +100	260

*Duty 1/10, 0.1ms pulse width

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

Characteristic Curves







Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBFL8R110CL	QBFL8R110CL	Iv=210mcd typ. @ 20mA, $\lambda_d=624\text{nm}$ typ.	500pcs
QBFL8O110CL	QBFL8O110CL	Iv=210mcd typ. @ 20mA, $\lambda_d=605\text{nm}$ typ.	500pcs
QBFL8Y110CL	QBFL8Y110CL	Iv=270mcd typ. @ 20mA, $\lambda_d=590\text{nm}$ typ.	500pcs



Revision History

Description:	Revision #	Revision Date
New Release of QBFL8XX110CL Series	V1.0	10/05/2018

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.