

QT-Brightek Lamp Series

5mm Flat Top Cylindrical Lamp

Part No.: QBFL8XX100CL 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
- InGaN technology
- Viewing Angle: 100° typ.

Description:

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

Application:

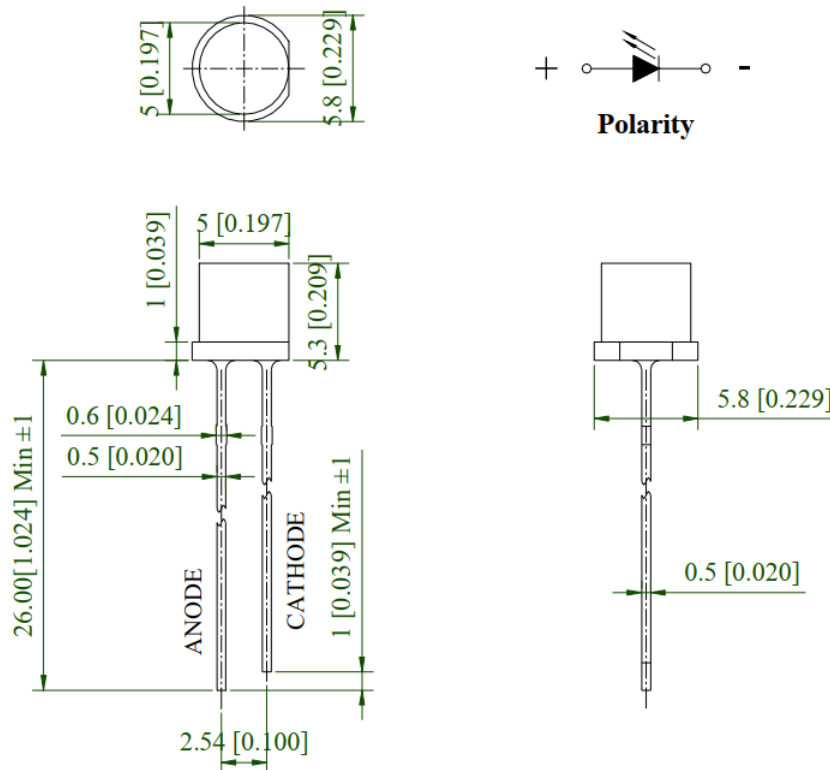
- General purpose indicator application
- Electronic signs and electronics board
- Circuit board

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



Polarity

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.
QBFL8IG100CL	True Green	20	3.2	3.6	520	1300	2200
QBFL8IB100CL	Blue	20	3.2	3.6	470	460	780

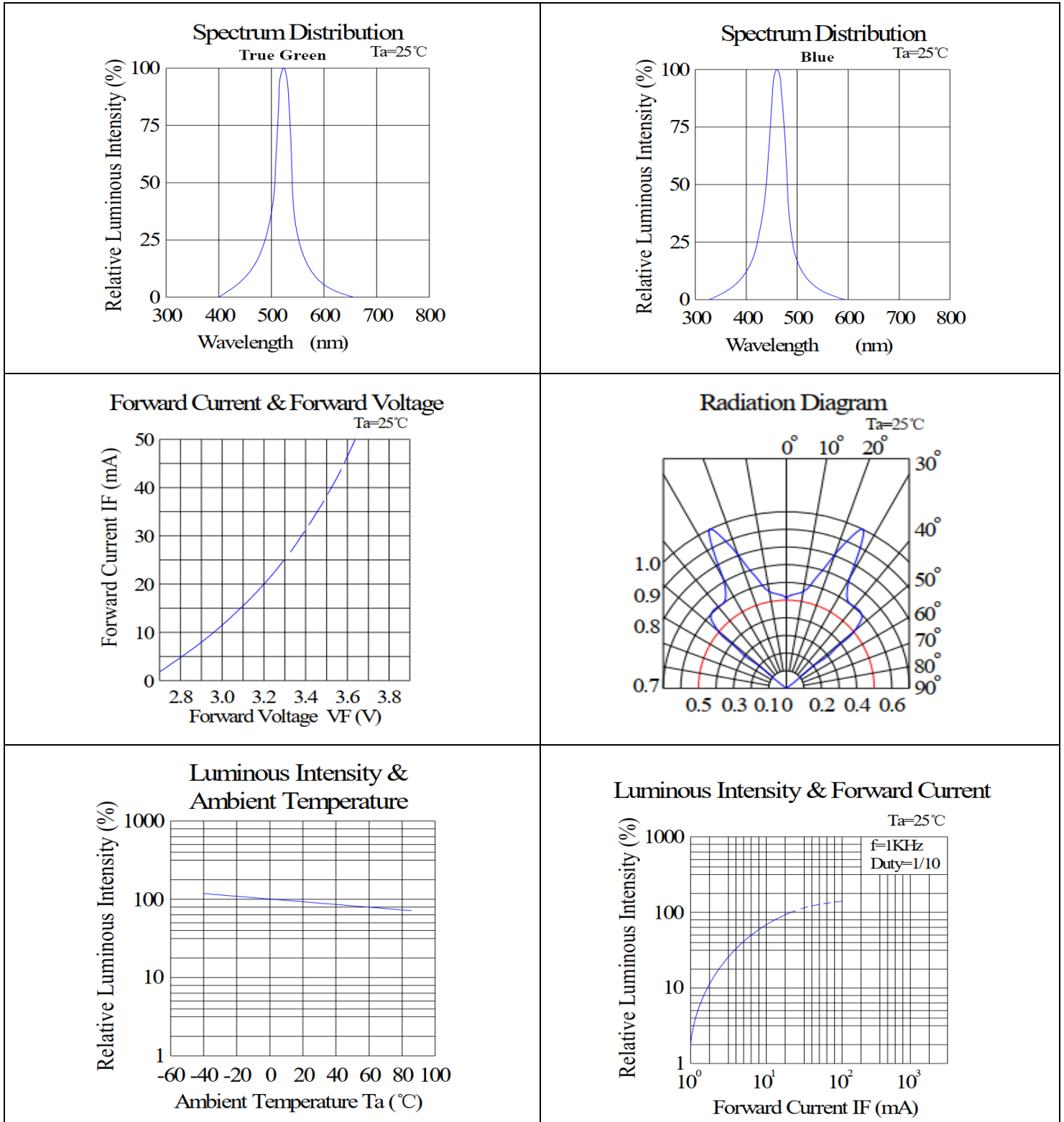
Absolute Maximum Rating

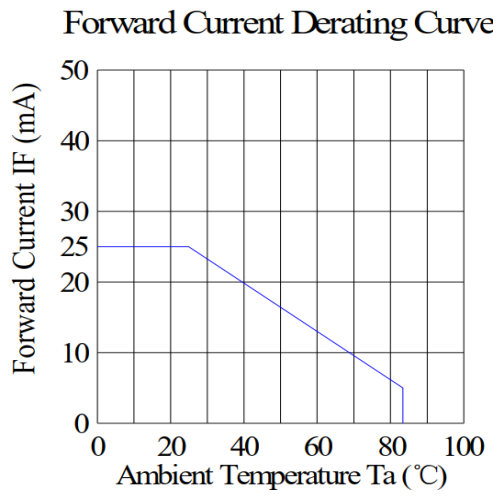
Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)	T _{sol} (°C)**
InGaN	90	25	100	5	-40 to +85	-40 to +100	260

*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
QBFL8IG100CL	QBFL8IG100CL	Iv=2200mcd typ. @ 20mA, $\lambda_d=520\text{nm}$ typ.	500pcs
QBFL8IB100CL	QBFL8IB100CL	Iv=780mcd typ. @ 20mA, $\lambda_d=470\text{nm}$ typ.	500pcs



Revision History

Description:	Revision #	Revision Date
New Release of QBFL8XX100CL Series	V1.0	04/01/2019

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.