

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
- AllnGaP technology
- Viewing angle: 110° typ.
- Height profile: 5.3mm

Application:

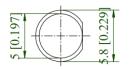
- General purpose indicator application
- Electronic signs and electronics board
- Circuit board

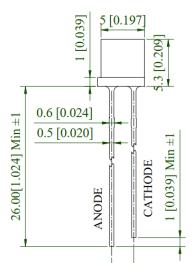
Certification & Compliance:

- ISO9001
- RoHS Compliant



Dimension:

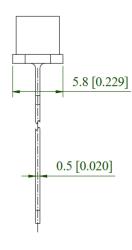




2.54 [0.100]



Polarity



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

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Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I _F (mA)	V _F	(V)	λ _d (nm)	lv (n	ncd)
Product	Color	IF (IIIA)	Тур.	Max.	Тур.	Min.	Тур.
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

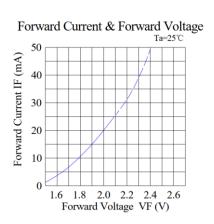
Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)	T _{sol} (°C)**
AllnGaP	65	25	100	5	-40 to + 85	-40 to +100	260

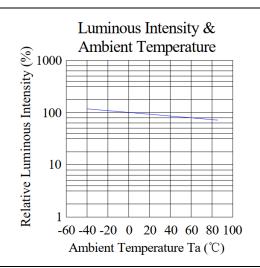
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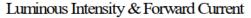
^{*}Duty 1/10, 0.1ms pulse width
**Wave Soldering for no more than 5 sec @ 260 °C

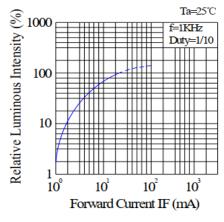


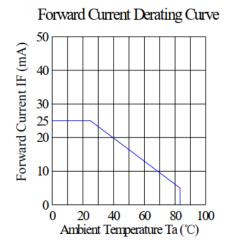
Characteristic Curves

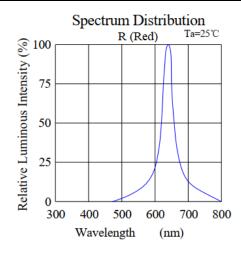


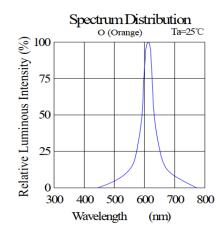






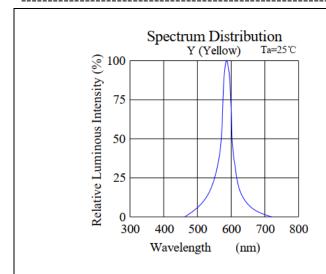


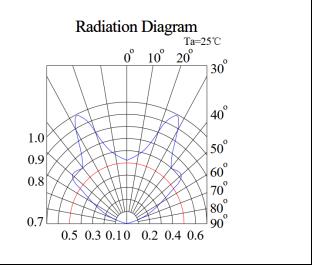




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Ordering Information

Orderable Part #	Spec Range	Quantity per bag
QBFL8R110CL	Iv=210mcd typ. @ 20mA, λ _d =624nm typ.	
QBFL8O110CL	Iv=210mcd typ. @ 20mA, λ _d =605nm typ.	1000pcs
QBFL8Y110CL	Iv=270mcd typ. @ 20mA, λd=590nm typ.	

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Revision History

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

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.

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