

QT-Brightek Lamp Series 3mm Flat Top Cylindrical Lamp

Part No.: QBFL7XX120CL Series

L: Low Profile (Lens Height: 3.85mm)

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Introduction

Feature:

- Water clear lens
- Package in bulk pack
- 3mm flat top cylindrical lamp
- AllnGaP technology
- Viewing Angle: 120° typ.
- Height profile: 3.85mm

Application:

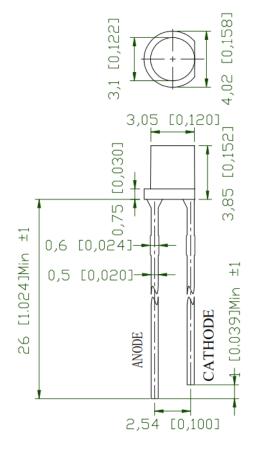
- General purpose indicator application
- Electronic signs and electronics board
- Circuit board

Certification & Compliance:

- ISO9001
- RoHS Compliant

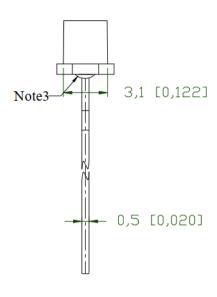


Dimension:





POLARITY



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

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Electrical / Optical Characteristic (Ta=25°C)

Draduat	Color	I (m A)	V _F	(V)	λ _d (nm)	lv (n	ncd)
Product	Color	I _F (mA)	Тур.	Max.	Тур.	Min.	Тур.
QBFL7R120CL	Red	20	2.0	2.6	624	90	160
QBFL7O120CL	Orange	20	2.0	2.6	605	45	90

Absolute Maximum Rating

			<u> </u>				
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

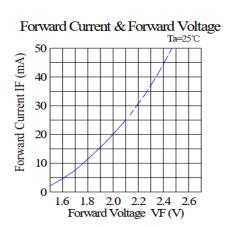
^{*}Duty 1/10, 0.1ms pulse width

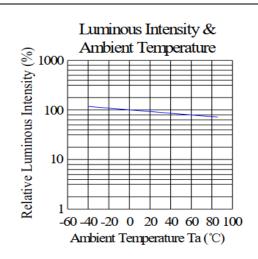
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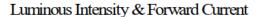
^{**}Wave Soldering for no more than 5 sec @ 260 °C

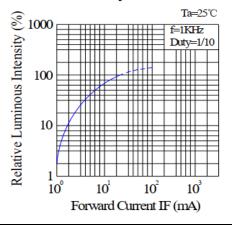


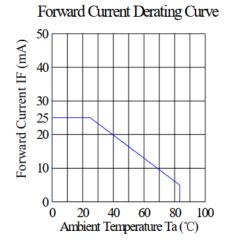
Characteristic Curves

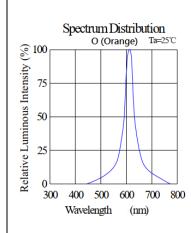


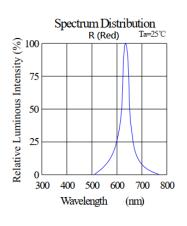


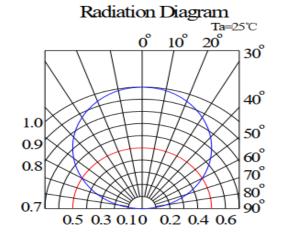












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Ordering Information

Orderable Part #	Spec Range	Quantity per bag
QBFL7R120CL	Iv=160mcd typ. @ 20mA, λ_d =624nm typ.	1000pcs
QBFL7O120CL	lv=90mcd typ. @ 20mA, λ _d =605nm typ.	Tooopes

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Revision History

Description:	Revision #	Revision Date
New Release of QBFL7XX120CL Series	V1.0	10/03/2018

Disclaimer

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QT-BRIGHTEK's products are not authorized for use as critical components in life support devices or systems without the express written approval of QT-BRIGHTEK. As used herein:

- 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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