QT-Brightek Lamp Series

3mm Flat Top Cylindrical Lamp

Part No.: QBFL7XX110D Series

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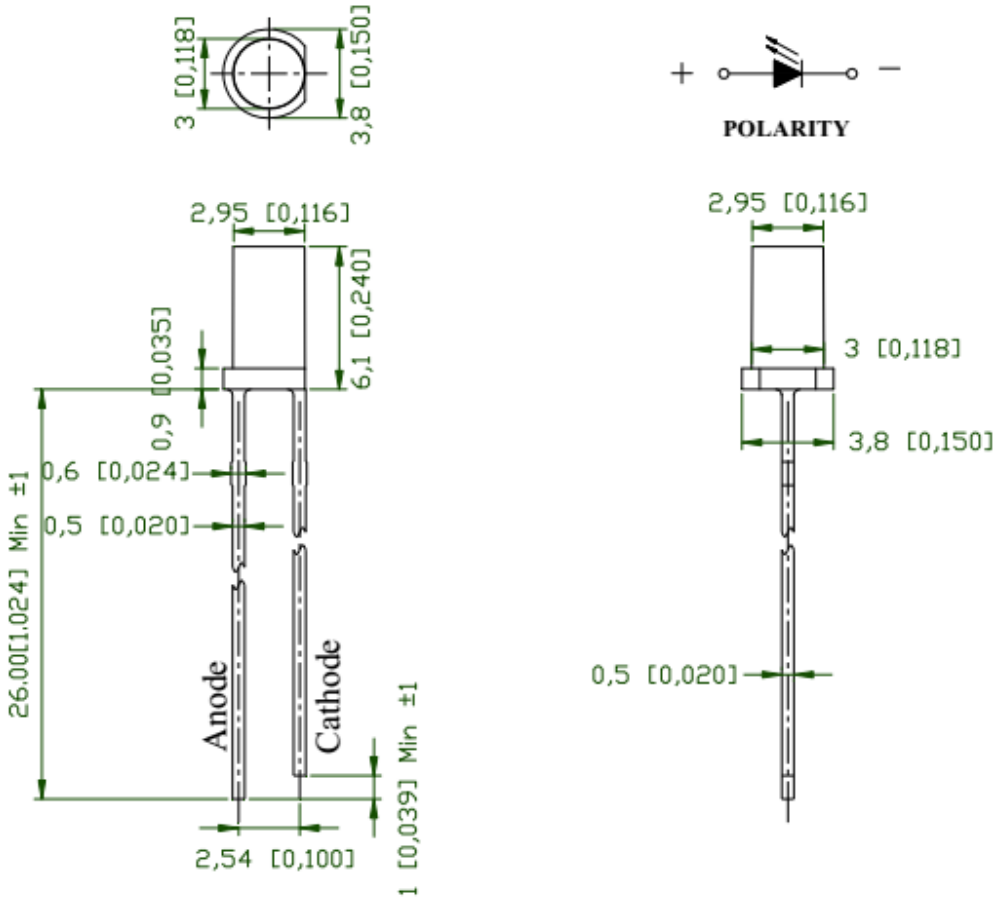
Introduction

Feature:	**Application:**
• Color diffused lens • Package in bulk pack • 3mm flat top cylindrical lamp • InGaN technology for IG • Viewing Angle: 110° typ. • Height profile: 6.1mm	• General purpose indicator application • Electronic signs and electronics board • Circuit board **Certification & Compliance:** • 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)	Iv (mcd)	
			Typ.	Max.	Typ.	Min.	Typ.
QBFL7IG110D	True Green	20	3.2	3.6	525	780	1300

Absolute Maximum Rating

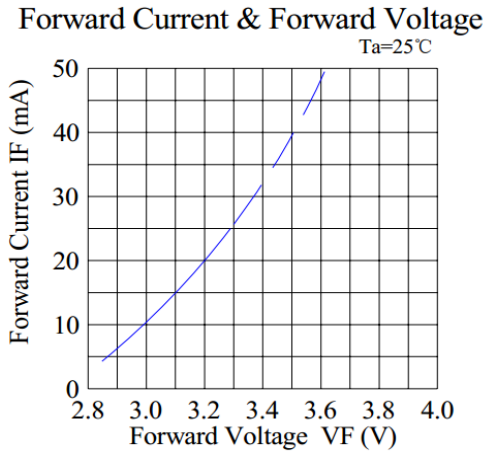
Material	P_d (mW)	I_F (mA)	I_{FP} (mA)*	V_R (V)	T_{OP} (°C)	T_{ST} (°C)	T_{sol} (°C)**
InGaN	95	25	100	5	-40 to + 85	-40 to +100	260

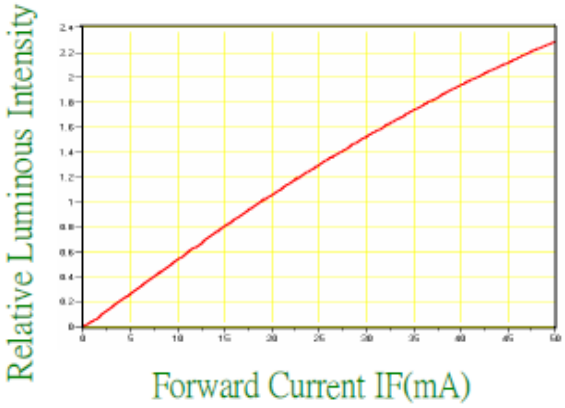
*Duty 1/10, 0.1ms pulse width

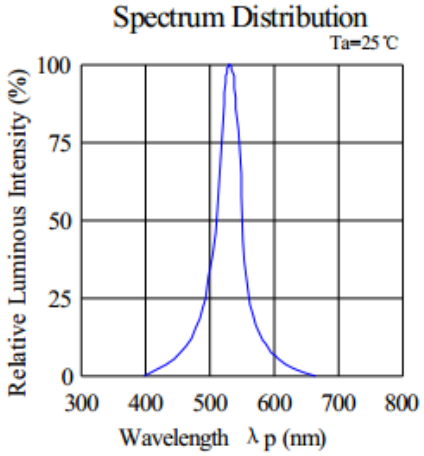
**Wave Soldering for no more than 5 sec @ 260 °C

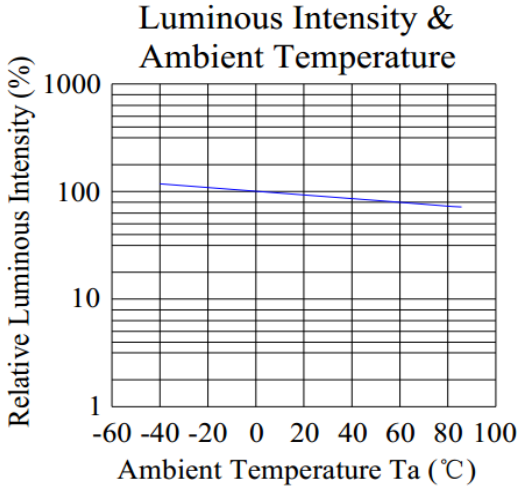
Characteristic Curves

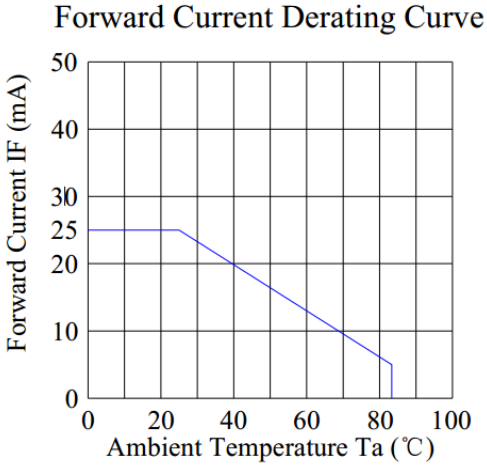
InGaN (IG)

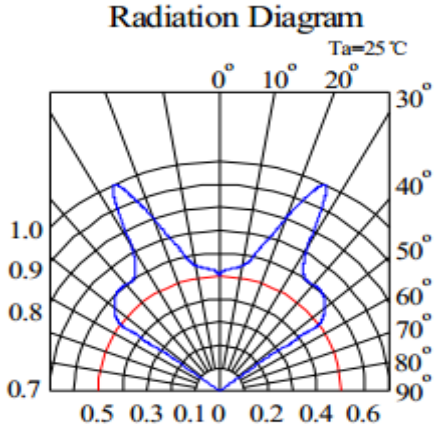




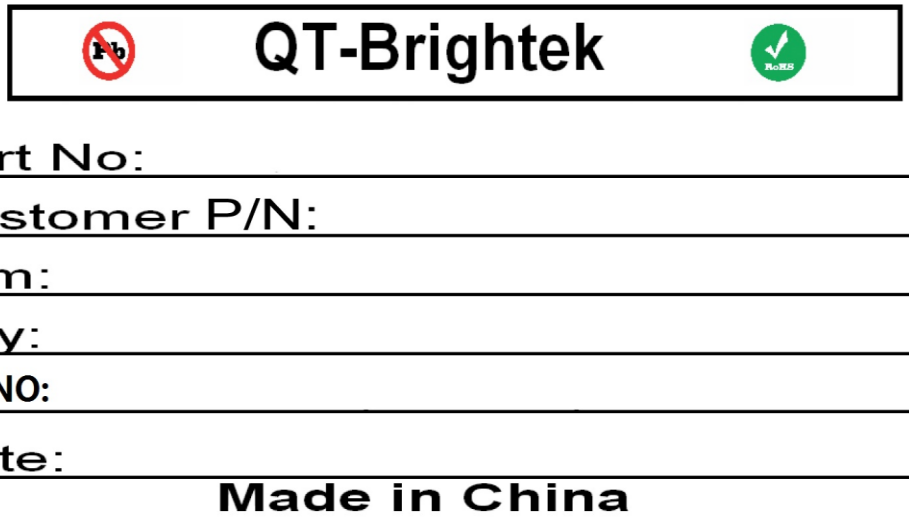








Labeling



Ordering Information

Orderable Part #	Spec Range	Quantity per bag
QBFL7IG110D	Iv=1300mcd typ. @ 20mA, λ_d=525nm typ.	1000pcs

Revision History

Description:	Revision #	Revision Date
New Release of QBFL7XX110D Series	V1.0	02/23/2017

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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.