

Feature:

- Diffused lens
- Package in bulk pack (Available in tape and reel)
- Super bright 5mm round lamp
- InGaN technology for IB/IG/IW
- AllnGaP technology for R/O/Y/AG
- 35° viewing angle

Description:

These super bright 5mm round type lamps with 8.6mm lens height are suitable for all applications requiring higher brightness.

Application:

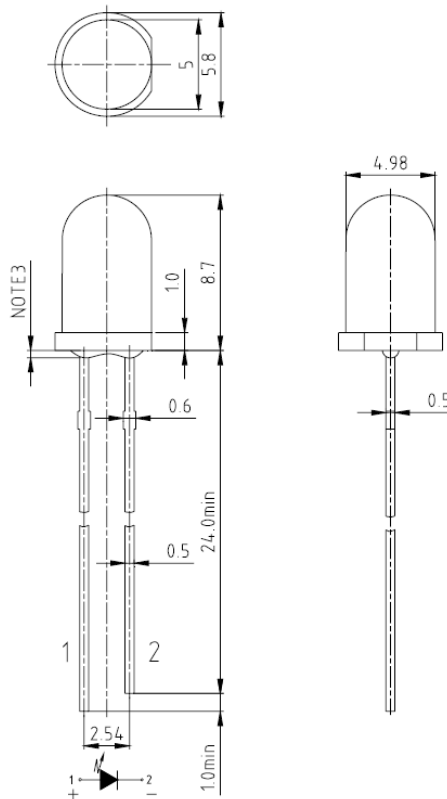
- General purpose indicator application
- Electronic signs and electronics board
- LED lighting

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



Units: mm / tolerance = +/-0.25mm

Electrical / Optical Characteristic

(T=25 °C)

Product	Color	I _F (mA)	V _F (V)		λ _D (nm)		I _V (mcd)	
			Typ.	Max.	Min.	Max.	Min.	Typ.
QBL8IB35D	Blue	20	3.2	3.8	462	472	350	700
QBL8IW35D	White	20	3.2	3.8	X=0.286 Y=0.288	--	2800	5500
QBL8IG35D	Green	20	3.2	3.8	520	530	2200	4100
QBL8R35D	Red	20	2.0	2.6	620	630	270	550
QBL8O35D	Orange	20	2.0	2.6	601	612	600	1000
QBL8Y35D	Yellow	20	2.0	2.6	585	597	350	700
QBL8AG35D	Yellow Green	20	2.0	2.6	564	576	120	260

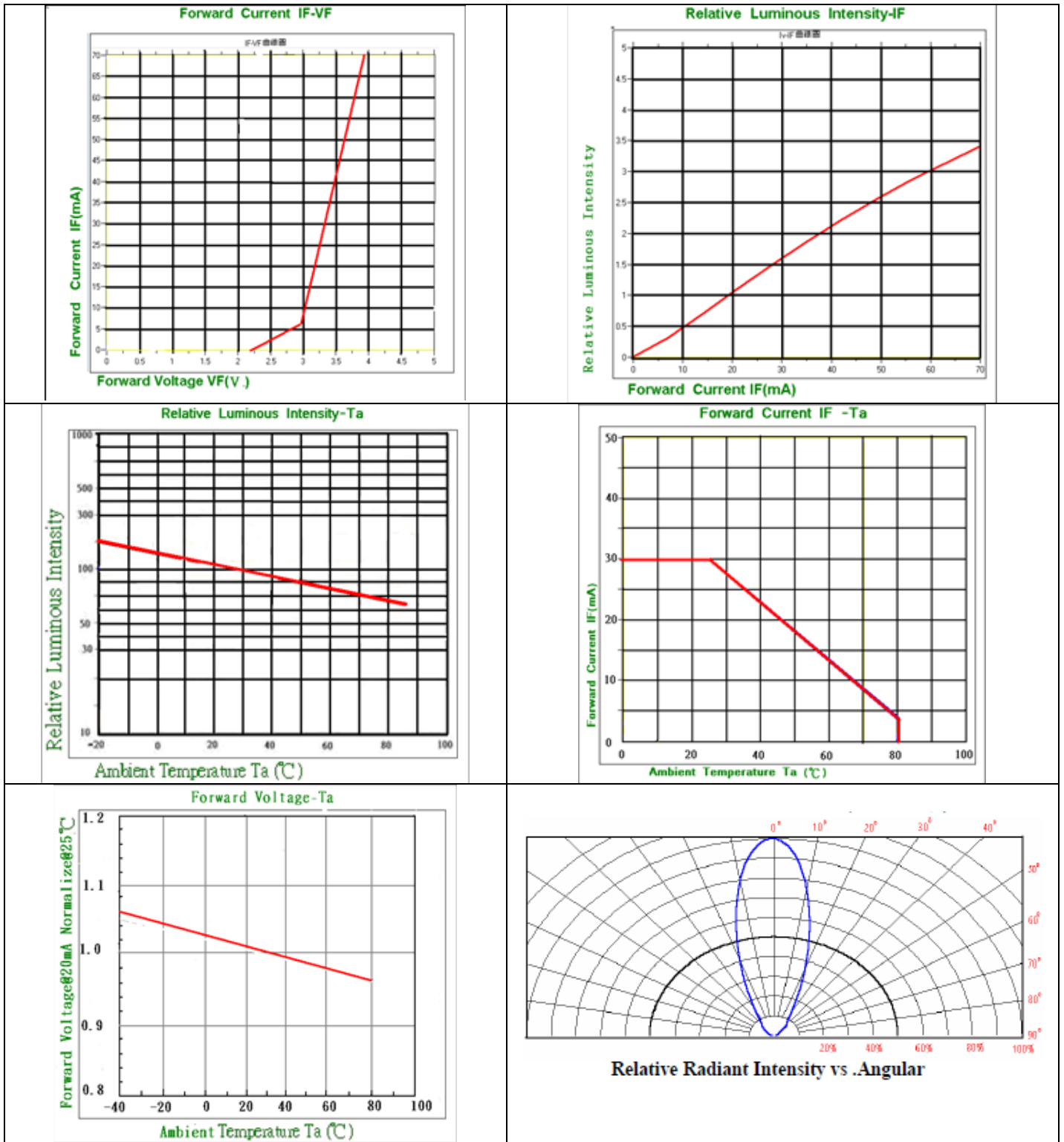
Absolute Maximum Rating

Material	P _d (mW)	I _F (mA)	I _{FP} * (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
InGaN (IB/IW/IG)	110	30	100	5	-30 to + 80	-40 to +100
AllnGaP (R/O/Y/AG)	80	30	100	5	-30 to + 80	-40 to +100

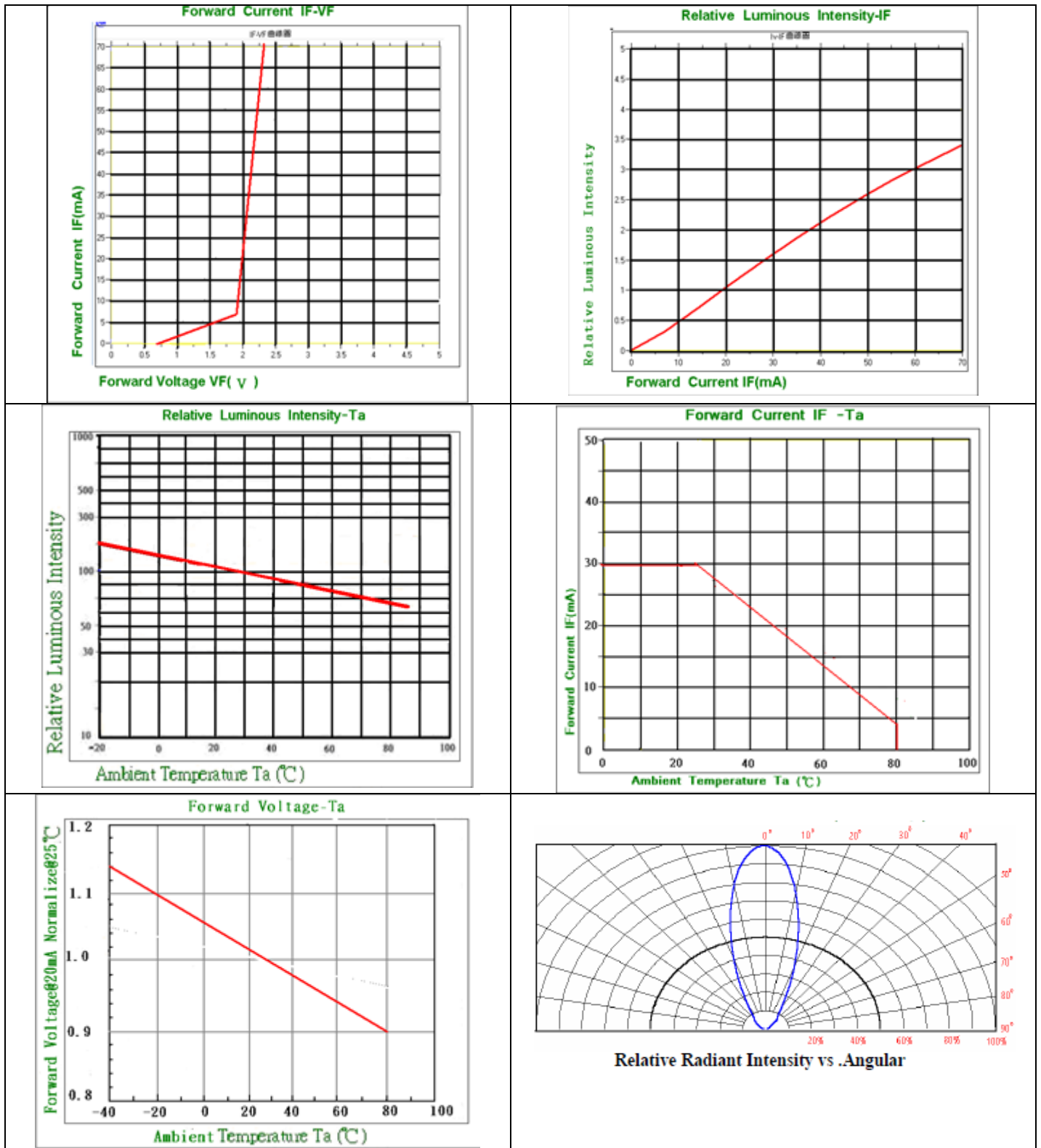
*Duty 1/10 @ 1KHz

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

Characteristic Curves: (InGaN)



Characteristic Curves: (AlInGaP)



Ordering Information:

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL8IB35D	QBL8IB35D	I _v = 700mcd typ., λ _D = 470nm	TBD
QBL8IW35D	QBL8IW35D	I _v = 5500mcd typ., (X = 0.288, Y = 0.286)	TBD
QBL8IG35D	QBL8IG35D	I _v = 4100mcd typ., λ _D = 525nm	TBD
QBL8R35D	QBL8R35D	I _v = 550mcd typ., λ _D = 625nm	TBD
QBL8O35D	QBL8O35D	I _v = 1000mcd typ., λ _D = 605nm	TBD
QBL8Y35D	QBL8Y35D	I _v = 700mcd typ., λ _D = 590nm	TBD
QBL8AG35D	QBL8AG35D	I _v = 260mcd typ., λ _D = 570nm	TBD

Revision History:

Description:	Revision #	Revision Date
New Release of QBL8XX35D_series	V1.0	06/25/2011