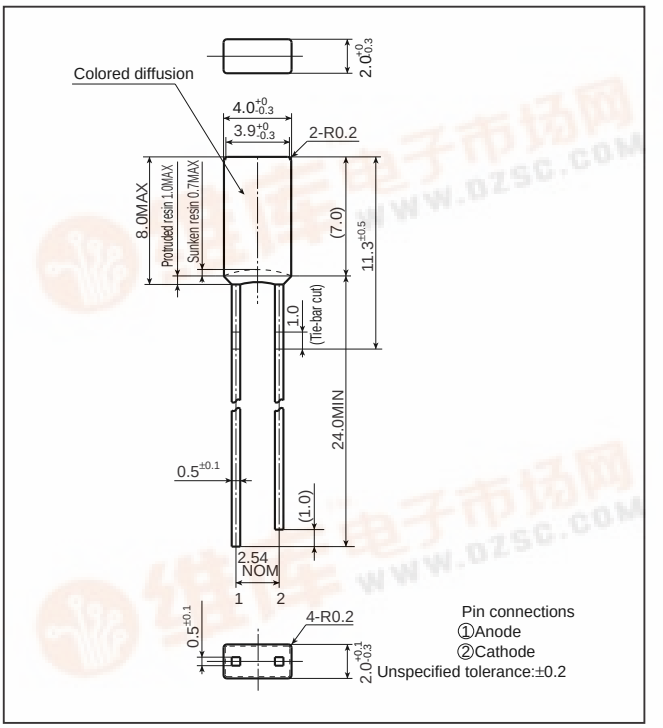
GL8TR42

2.0 × 3.9mm, Rectangle Type, Colored Diffusion, High-luminosity LED Lamp for Indicator

■ Outline Dimensions

(Unit : mm)



■ Absolute Maximum Ratings

(Ta=25˚C)

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current IF (mA)	Peak forward current IFM*1 (mA)	Derating factor (mA/˚C)		Reverse voltage VR (V)	Operating temperature Topr (˚C)	Storage temperature Tstg (˚C)	Soldering temperature Tsol*2 (˚C)
						DC	Pulse				
GL8TR42	Red(High-luminosity)	GaA1As on GaAs	110	50	300	0.67	4.00	5	-25 to +85	-25 to +100	260

*1 Duty ratio=1/16, Pulse width≤1ms

*2 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

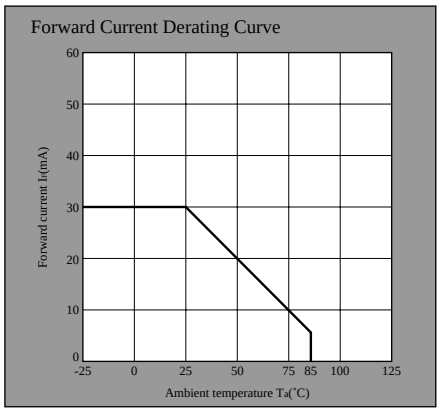
■ Electro-optical Characteristics

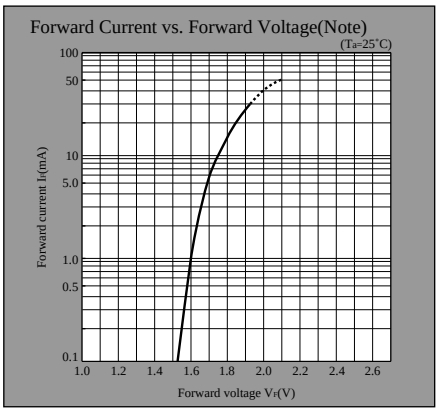
(Ta=25˚C)

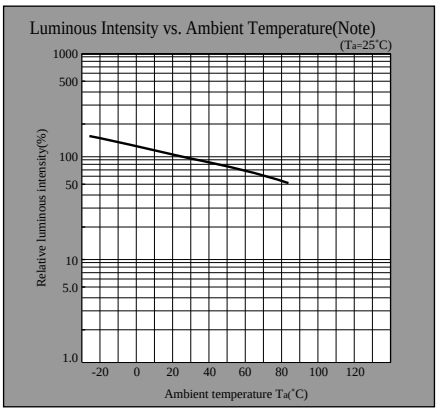
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λp(nm) TYP	IF (mA)	Iv(mcd) TYP	IF (mA)	Δλ(nm) TYP	IF (mA)	IR(μA) MAX	VR (V)	Ct(pF) TYP	(MHz)	
Colored diffusion	GL8TR42	1.75	2.2	660	20	4.0	20	20	20	10	4	30	1	→

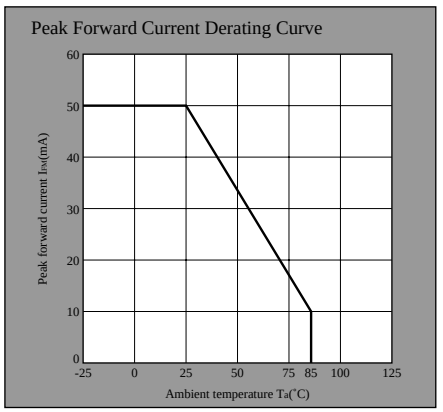
LED Lamp Characteristics Diagrams

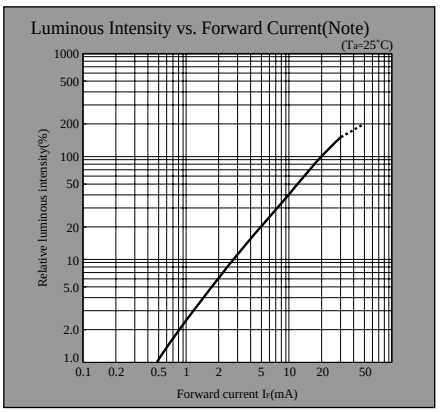
UR series

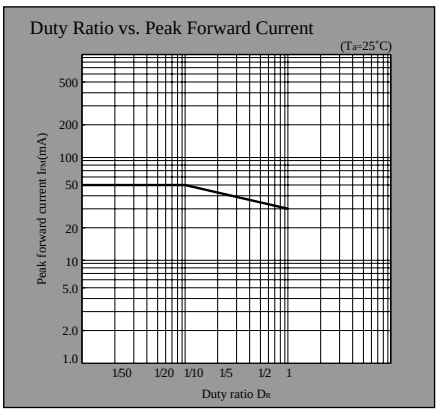




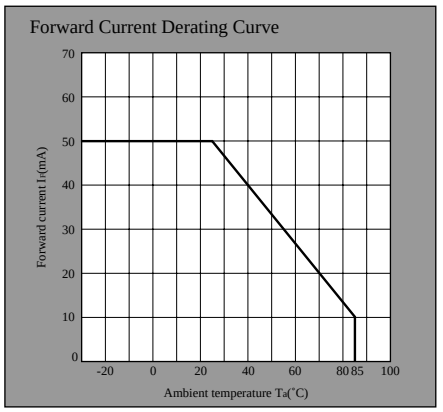


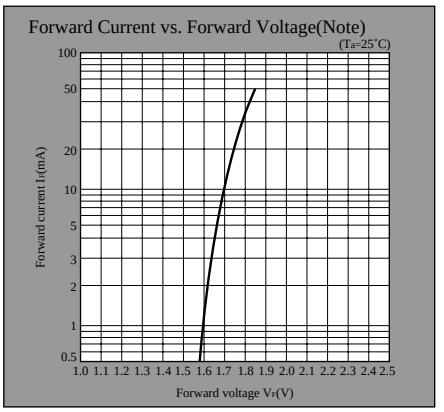


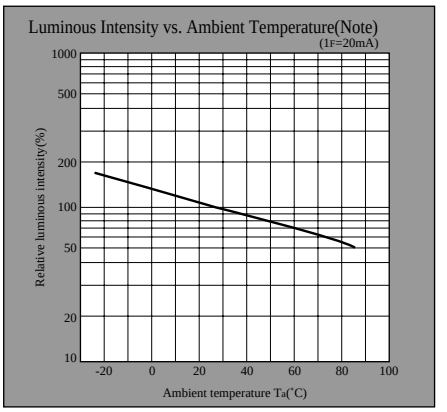


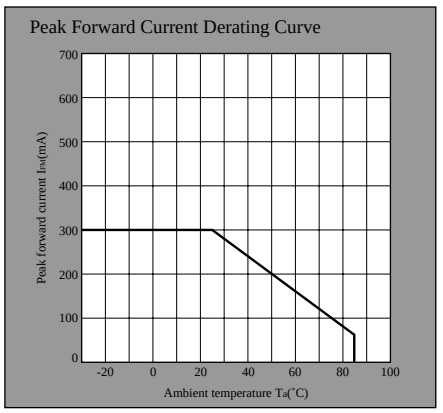


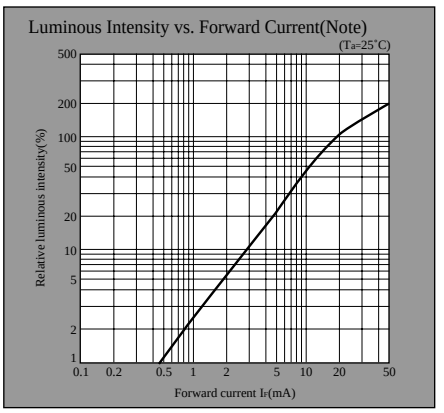
TR series

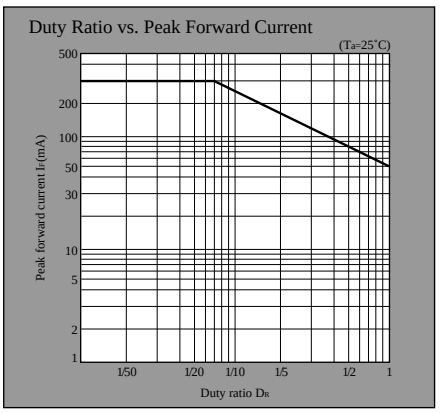












Note)Characteristics shown in diagrams are typical values. (not assurance value)