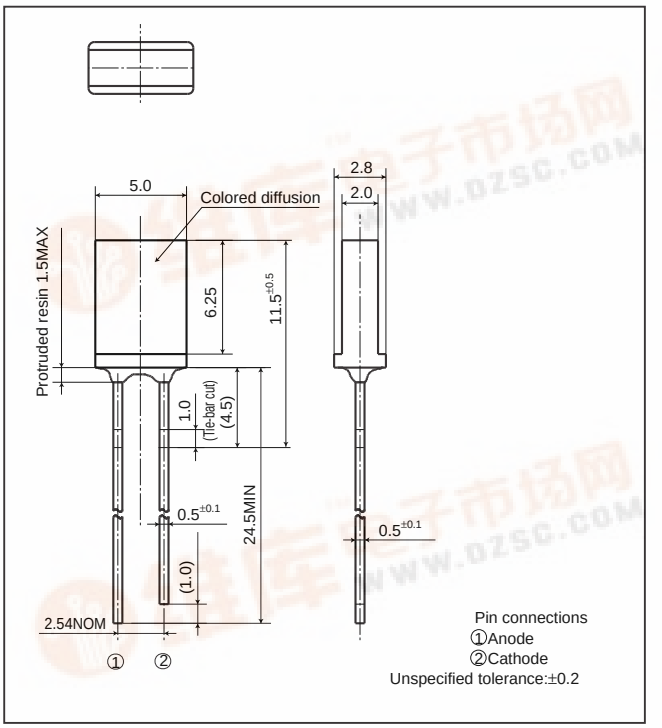
GL8❑❑21 series

2.0 × 5.0mm, Rectangle Type, Colored Diffusion, High-luminosity LED Lamps for Indicator

■ Outline Dimensions

(Unit : mm)



■ Absolute Maximum Ratings

(T_a=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current I_F (mA)	Peak forward current I_{FM} (mA)	Derating factor (mA/°C)		Reverse voltage V_R (V)	Operating temperature T_{opr} (°C)	Storage temperature T_{stg} (°C)	Soldering temperature T_{sol}*3 (°C)
						DC	Pulse				
GL8UR21	Red(Super-luminosity)	GaA1As on GaA1As	75	30	50*1	0.40	0.67	4	-25 to +85	-25 to +100	260
GL8TR21	Red(High-luminosity)	GaA1As on GaAs	110	50	300*2	0.67	4.00	5	-25 to +85	-25 to +100	260

*1 Duty ratio=1/10, Pulse width=0.1ms
*2 Duty ratio=1/16, Pulse width≤1ms
*3 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

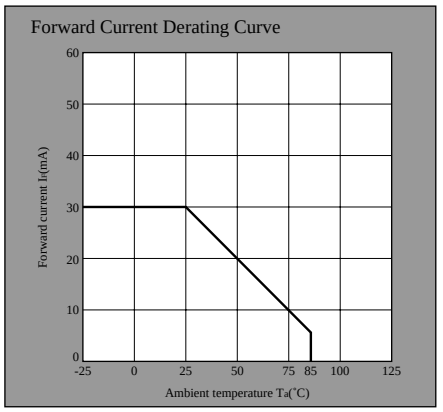
■ Electro-optical Characteristics

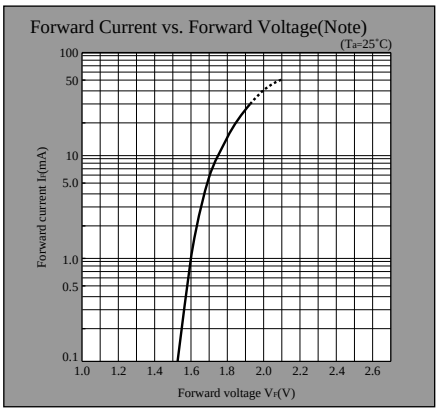
(T_a=25°C)

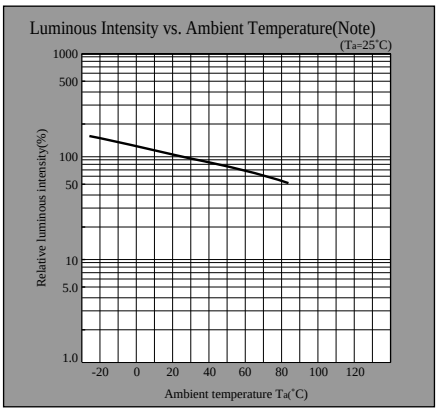
Lens type	Model No.	Forward voltage V_F(V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ_P(nm) TYP	I_F (mA)	I_V(mcd) TYP	I_F (mA)	Δλ(nm) TYP	I_F (mA)	I_R(μA) MAX	V_R (V)	C_t(pF) TYP	(MHz)	
Colored diffusion	GL8UR21	1.85	2.5	660	20	16.0	20	20	20	100	3	25	1	→
	GL8TR21	1.75	2.2	660	20	4.0	20	20	20	10	4	30	1	→

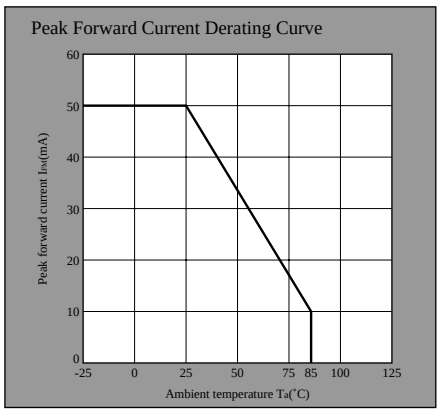
LED Lamp Characteristics Diagrams

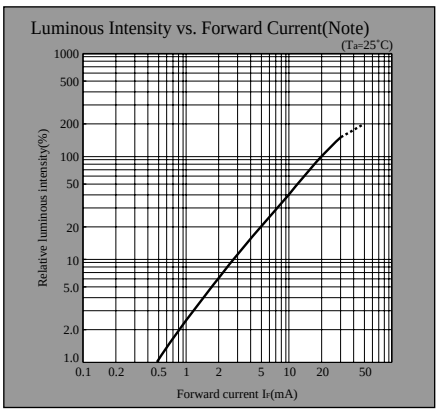
UR series

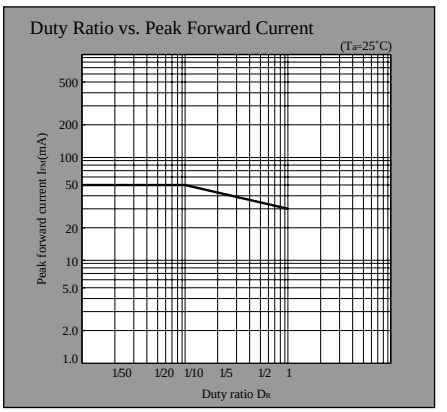




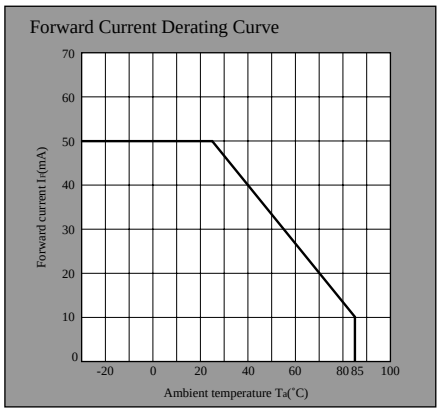


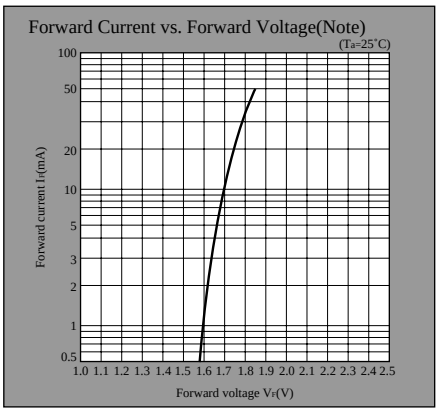


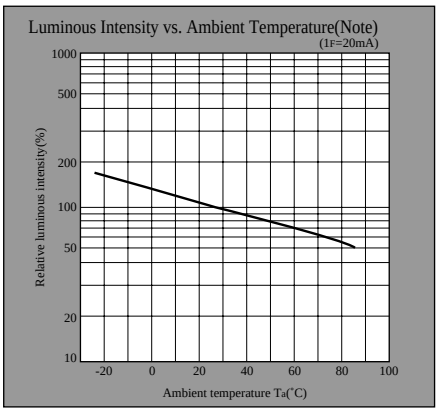


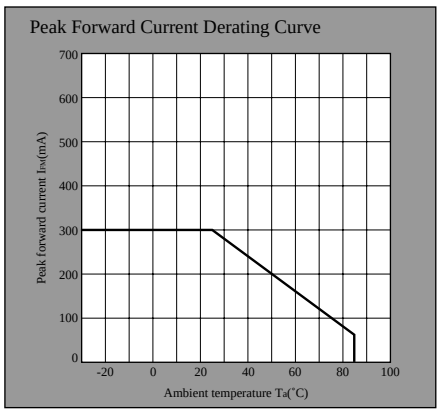


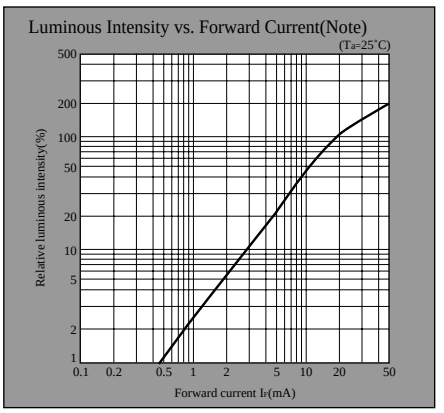
TR series

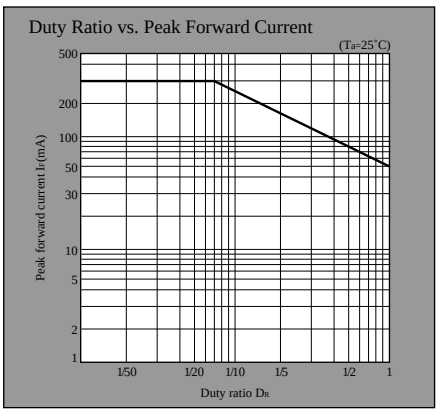












Note)Characteristics shown in diagrams are typical values. (not assurance value)