

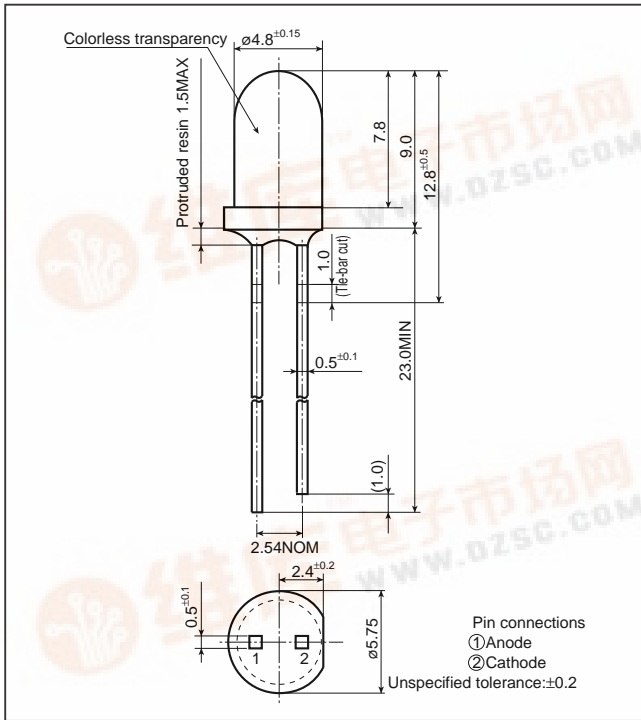
Super-luminosity LED Lamp/High-luminosity LED Lamp GL5□□43 series/GL5UR2K1/GL5UR3K1

GL5□□43 series/GL5UR2K1/
GL5UR3K1

ø5mm(T-1 3/4), Cylinder Type, Colorless
Transparency, High-luminosity LED
Lamps for Outdoor Use

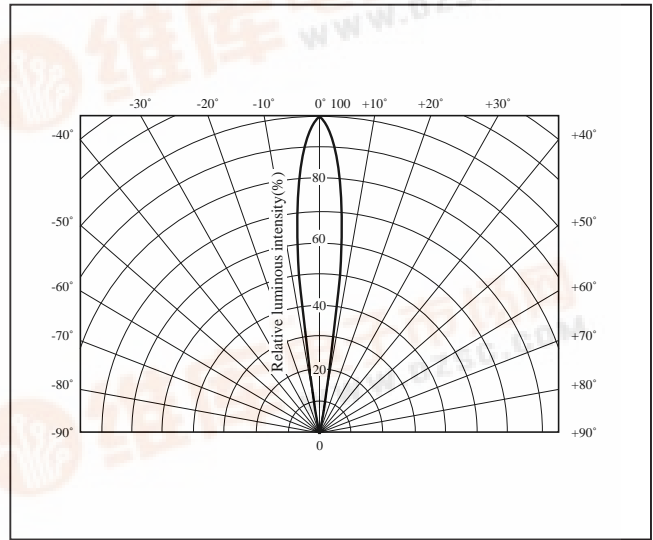
■ Outline Dimensions

(Unit : mm)



■ Radiation Diagram

(Ta=25°C)



■ Absolute Maximum Ratings

(Ta=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current IF (mA)	Peak forward current IFM (mA)	Derating factor (mA/°C)		Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)	Soldering temperature Tsol ^{*3} (°C)
						DC	Pulse				
GL5UR2K1	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50 ^{*1}	0.40	0.67	4	-25 to +85	-25 to +100	260
GL5UR3K1	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50 ^{*1}	0.40	0.67	4	-25 to +85	-25 to +100	260
GL5TR43	Red(High-luminosity)	GaAlAs on GaAs	110	50	300 ^{*2}	0.67	4.00	5	-25 to +85	-25 to +100	260
GL5HJ43	Orange(Super-luminosity)	A1GaInP	130	50	100 ^{*1}	0.67	1.33	4.1	-25 to +85	-25 to +100	260
GL5HV43	Yellow(Super-luminosity)	A1GaInP	130	50	100 ^{*1}	0.67	1.33	4.1	-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)

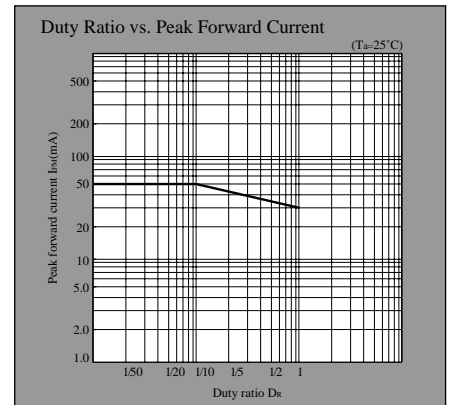
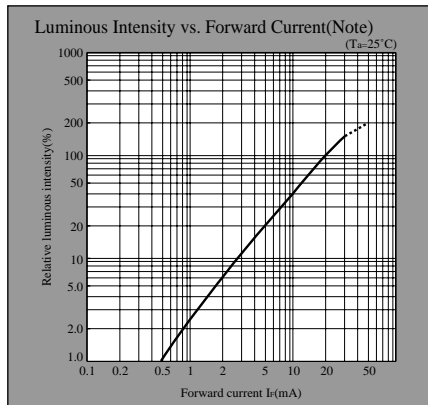
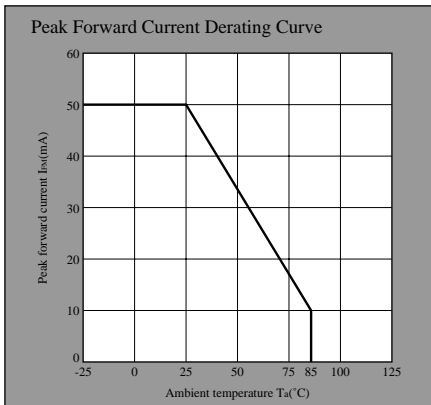
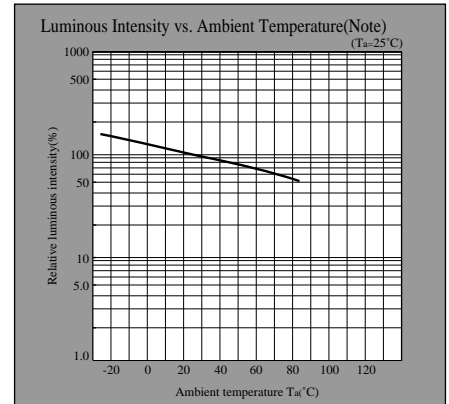
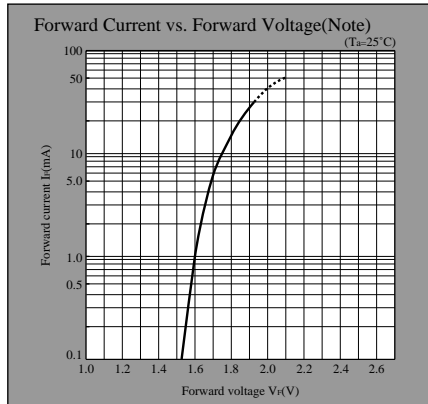
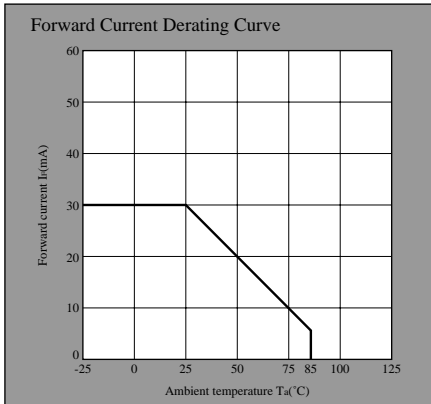
■ Electro-optical Characteristics

(Ta=25°C)

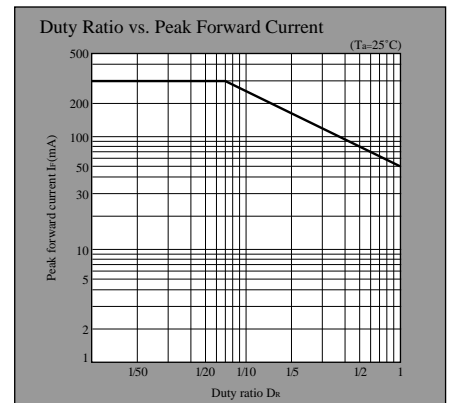
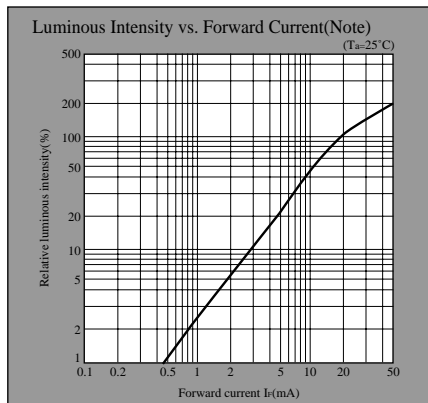
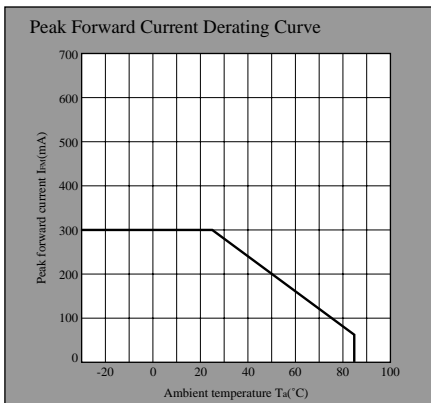
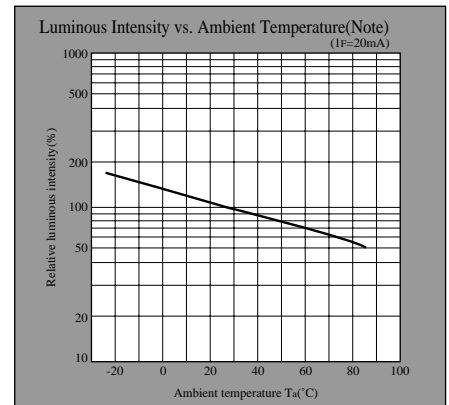
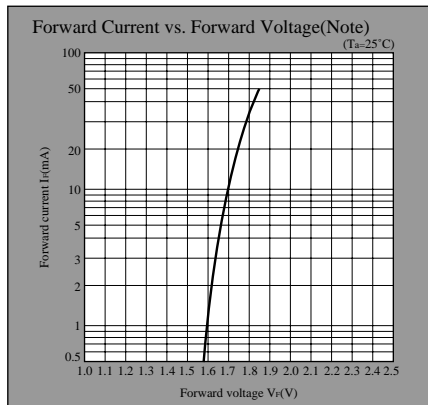
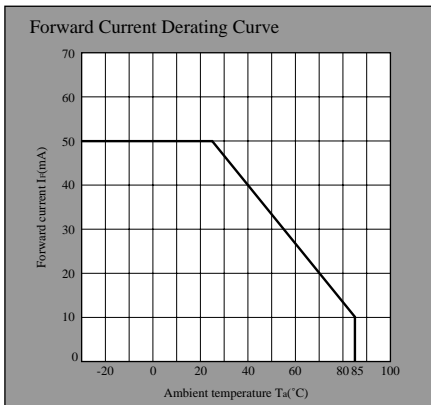
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ_p (nm) TYP	IF (mA)	Iv(mcd) TYP	IF (mA)	$\Delta\lambda$ (nm) TYP	IF (mA)	IR(μ A) MAX	VR (V)	Ct(pF) TYP	(MHz)	
Colorless transparency	GL5UR2K1	1.85	2.5	660	20	2 000	20	20	20	100	3	25	1	→
	GL5UR3K1	1.85	2.5	660	20	3 000	20	20	20	100	3	25	1	→
	GL5TR43	1.75	2.2	660	20	500	20	20	20	10	4	30	1	→
	GL5HJ43	1.9	2.6	620	20	3 000	20	18	20	100	4	26	1	→
	GL5HV43	1.9	2.6	590	20	2 500	20	13	20	100	4	24	1	→

LED Lamp Characteristics Diagrams

UR series



TR series

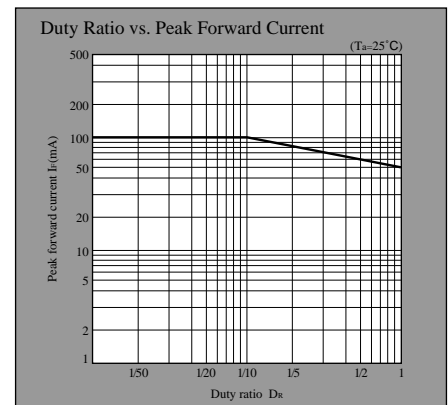
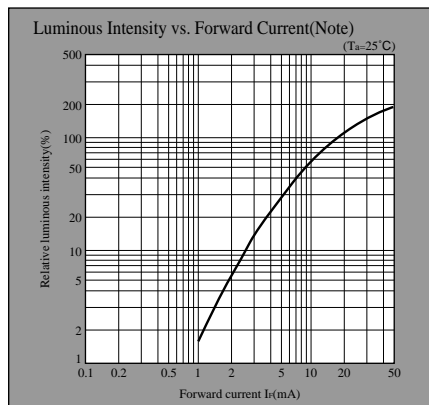
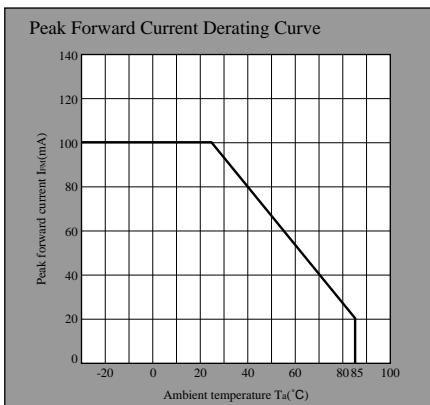
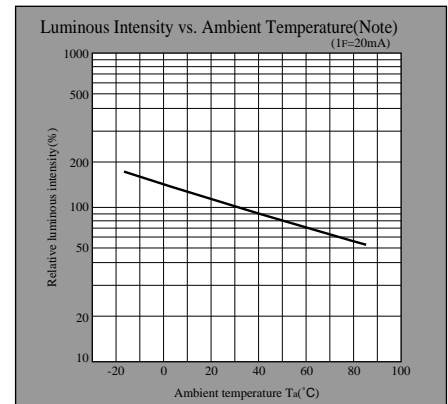
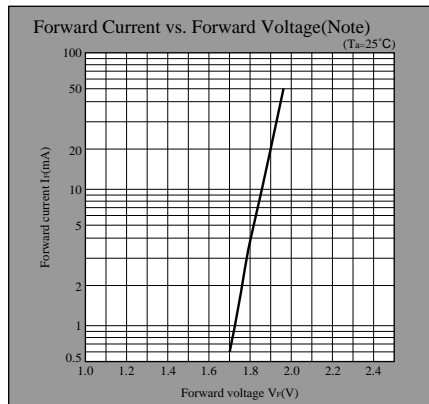
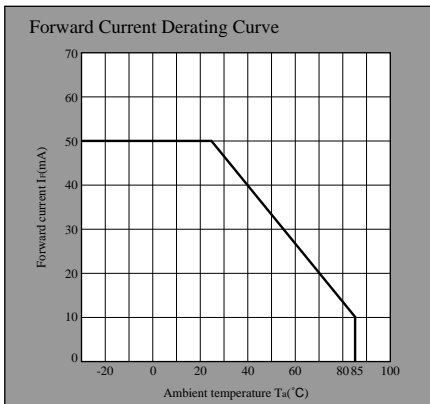


Note) Characteristics shown in diagrams are typical values. (not assurance value)

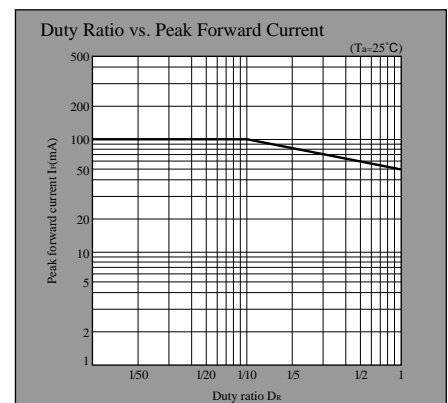
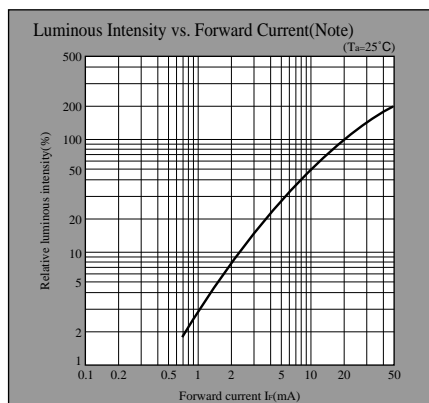
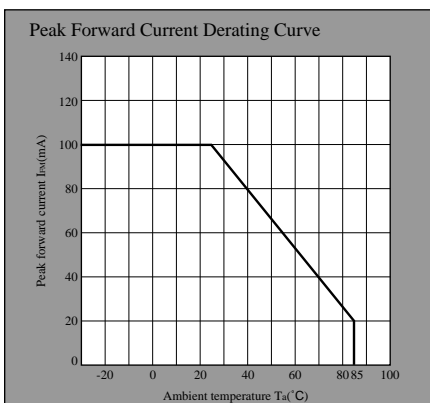
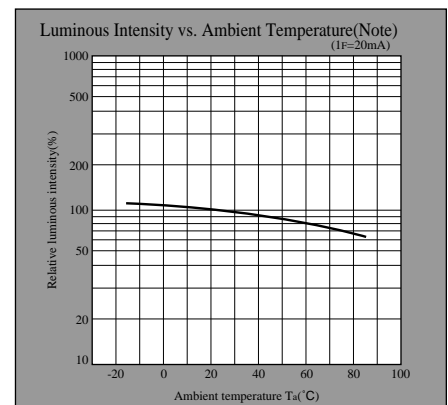
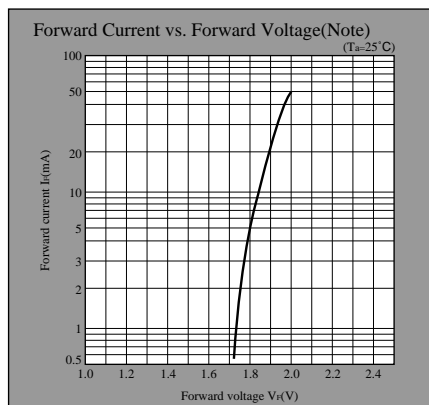
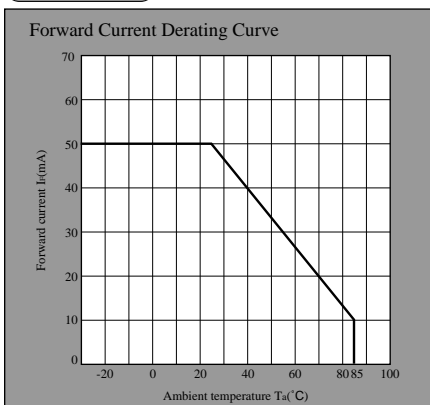
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LED Lamp Characteristics Diagrams

HV series



HJ series



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