

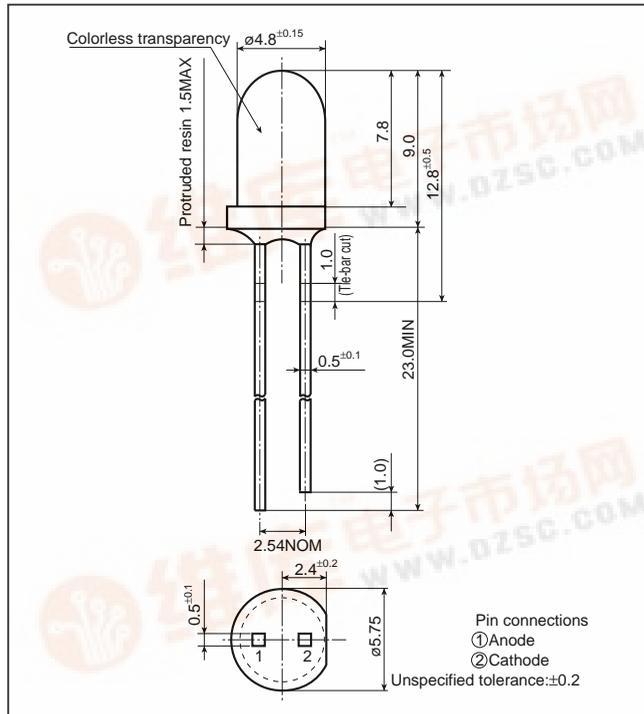
Super-luminosity LED Lamp/High-luminosity LED Lamp GL5□□43 series/GL5UR2K1/GL5UR3K1

GL5□□43 series/GL5UR2K1/
GL5UR3K1

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

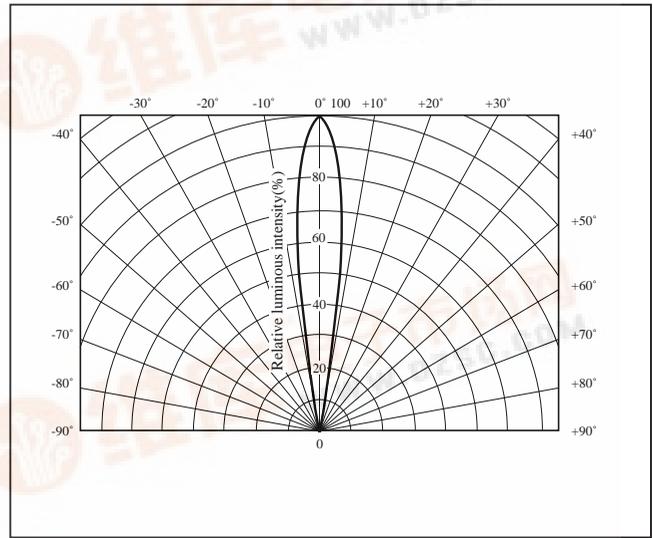
■ Outline Dimensions

(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)

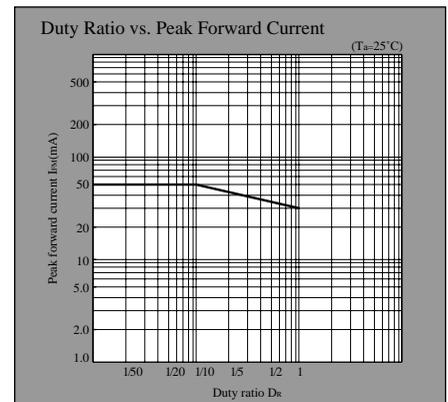
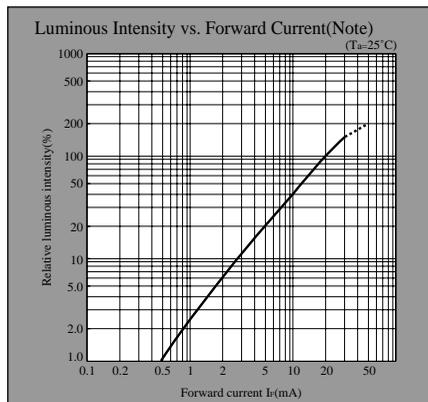
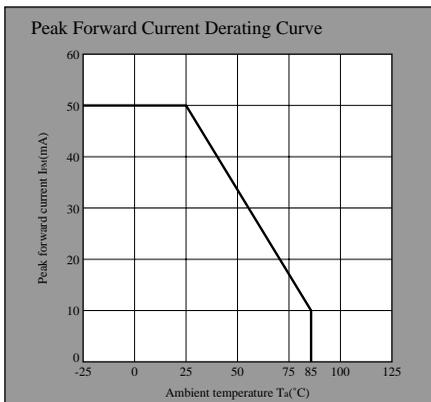
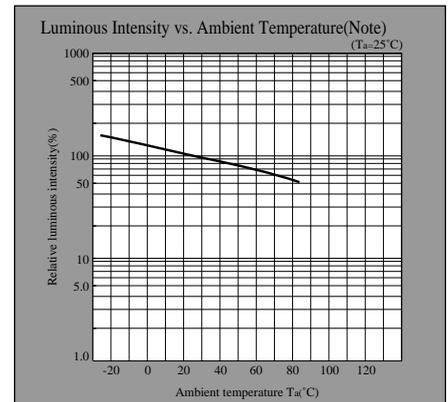
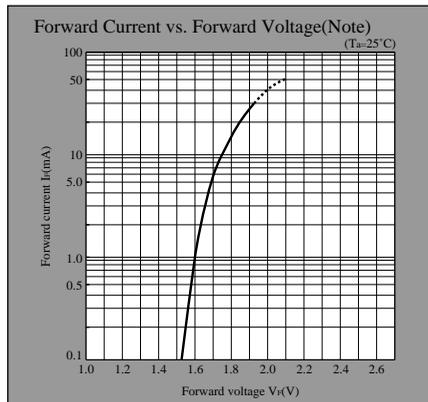
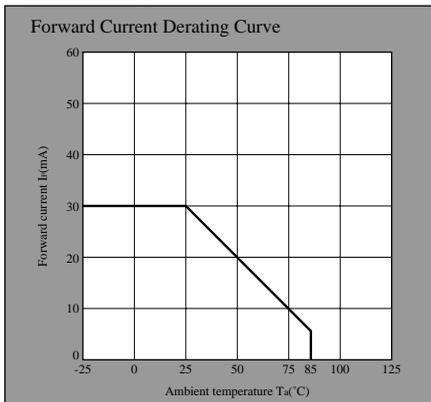
■ Electro-optical Characteristics

(Ta=25°C)

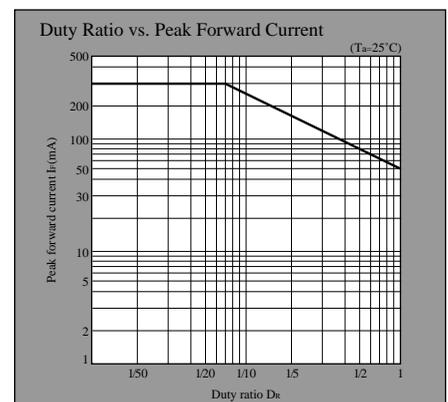
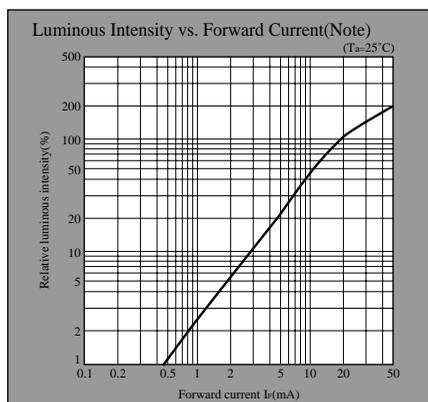
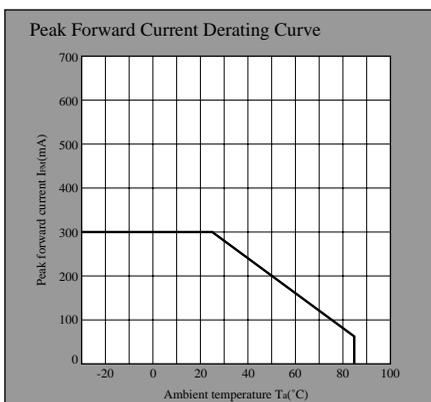
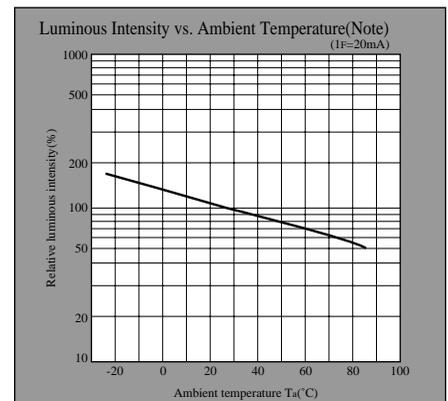
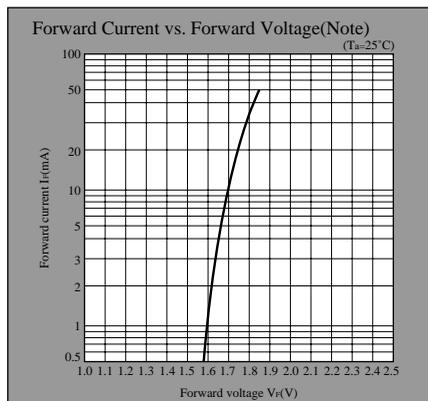
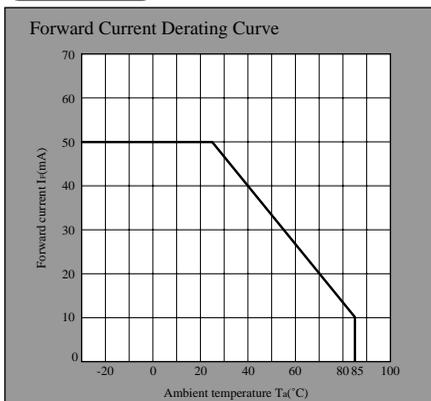
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λp(nm) TYP	IF (mA)	Iv(mcd) TYP	IF (mA)	Δλ(nm) TYP	IF (mA)	IR(μA) MAX	VR (V)	Ct(pF) TYP	(MHz)	
Colorless 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

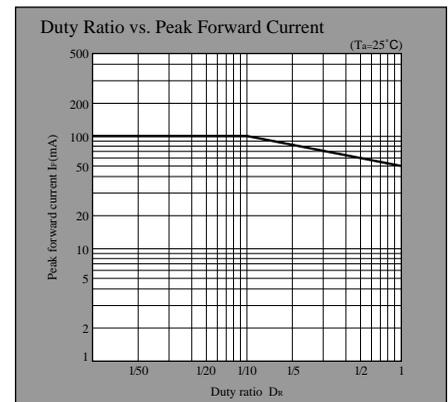
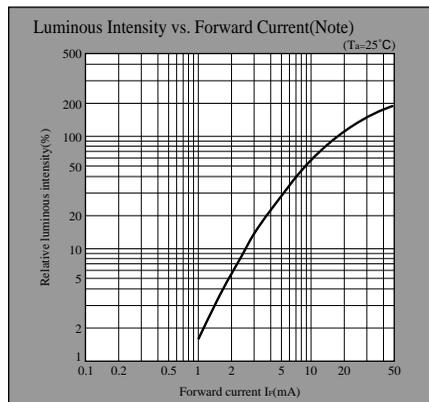
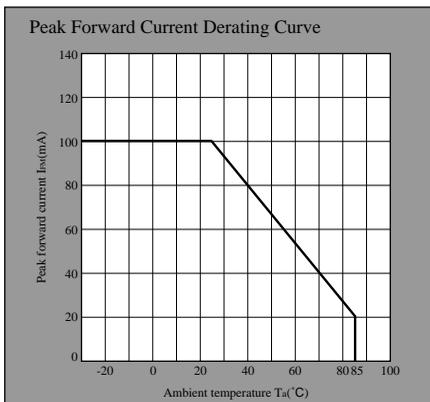
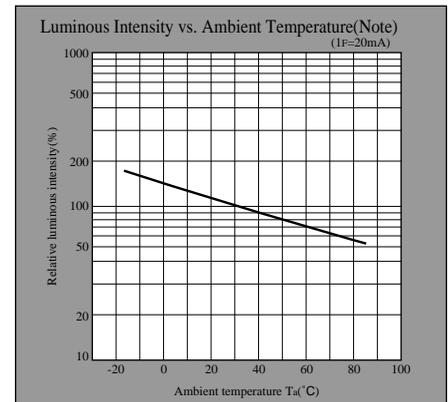
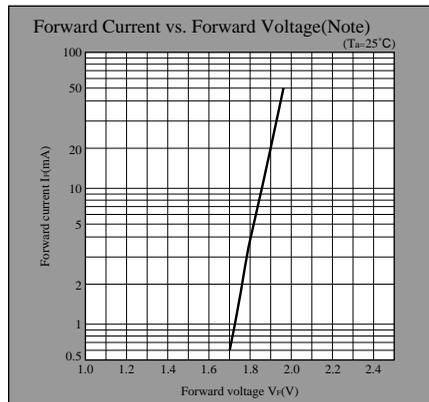
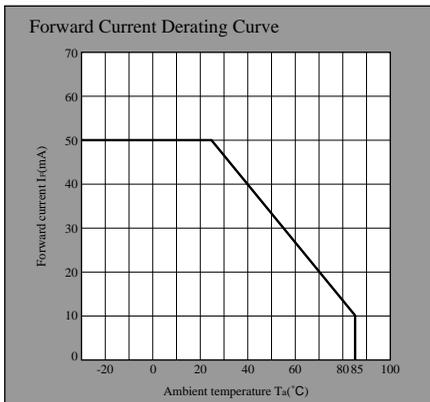


Note) Characteristics shown in diagrams are typical values. (not assurance value)

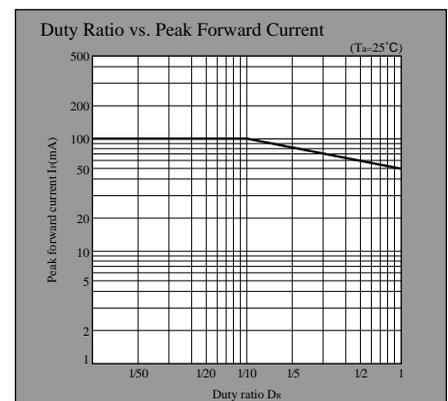
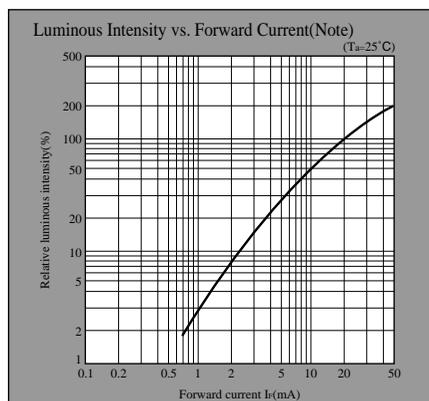
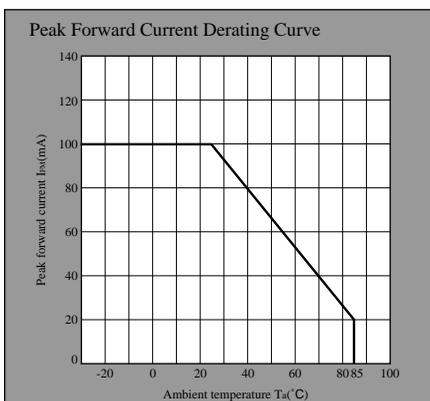
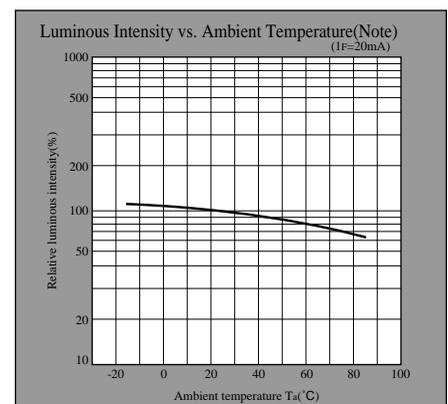
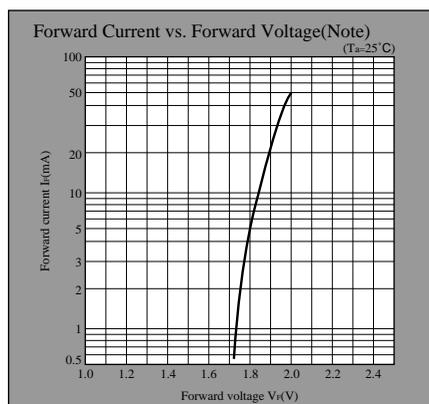
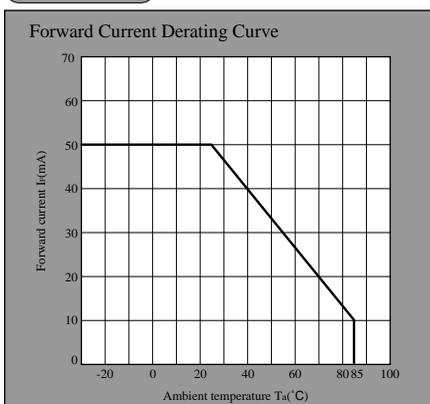
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LED Lamp Characteristics Diagrams

HV series



HJ series



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