

Super-luminosity LED Lamp/High-luminosity LED Lamp

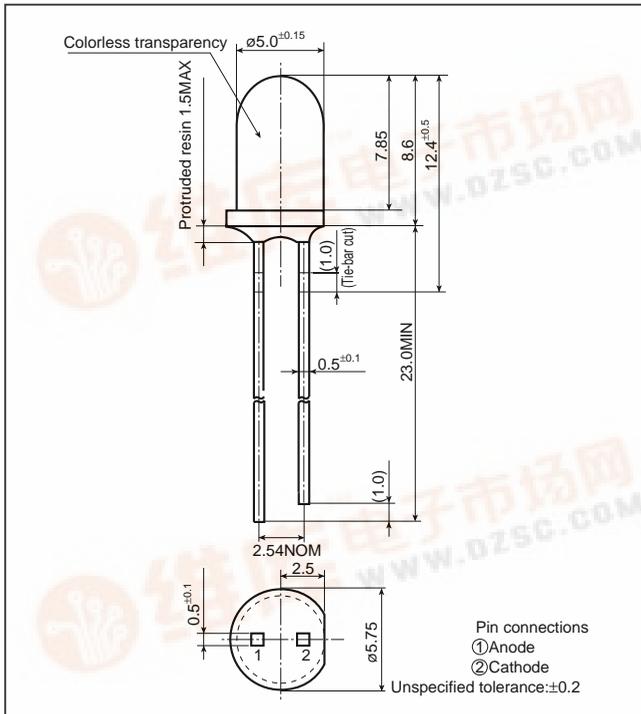
GL5□□44 series

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

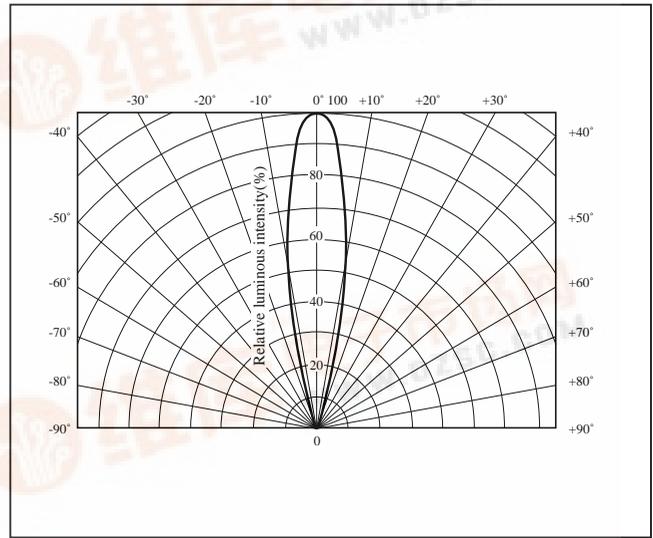
Outline Dimensions

(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				
GL5UR44	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50 ^{*1}	0.40	0.67	4	-25 to +85	-25 to +100	260
GL5TR44	Red(High-luminosity)	GaAlAs on GaAs	110	50	300 ^{*2}	0.67	4.00	5	-25 to +85	-25 to +100	260
GL5HJ44	Orange(Super-luminosity)	A1GaInP	130	50	100 ^{*1}	0.67	1.33	4.1	-25 to +85	-25 to +100	260
GL5HV44	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)

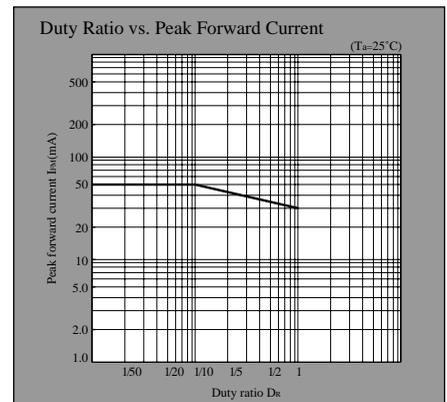
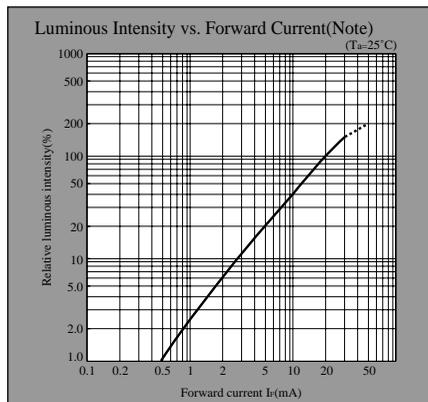
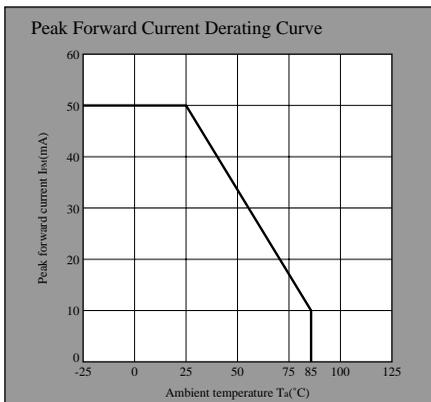
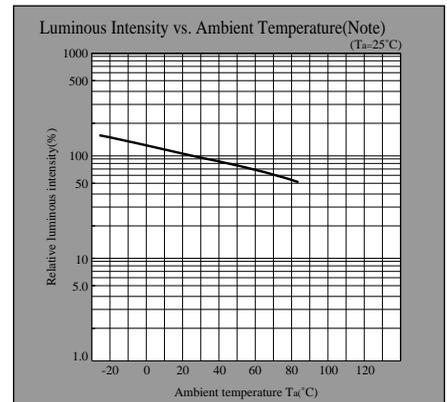
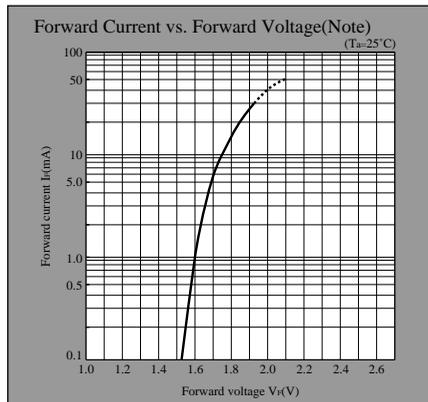
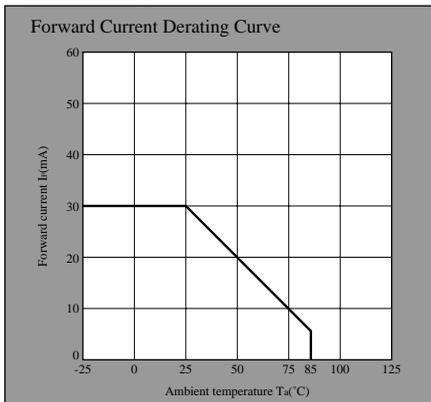
Electro-optical Characteristics

(Ta=25°C)

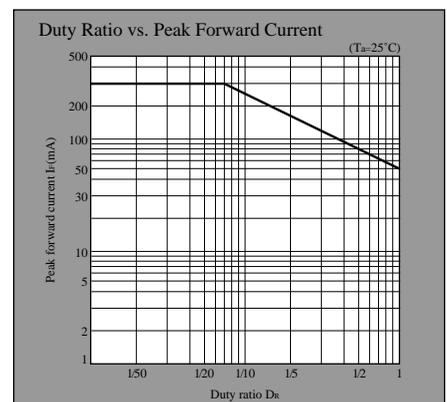
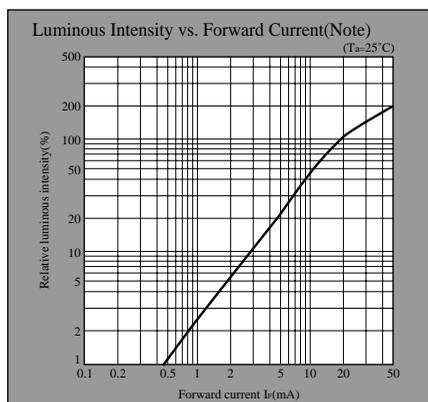
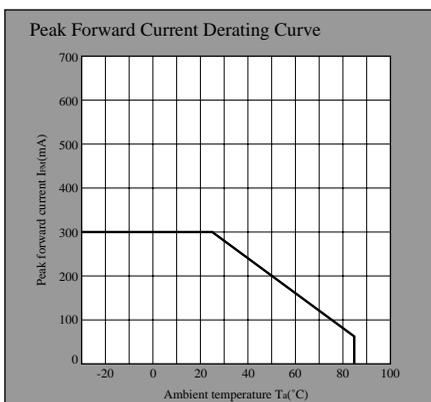
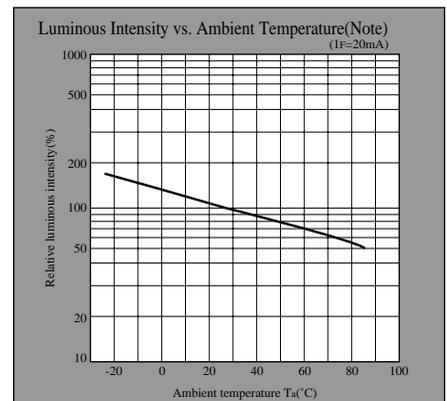
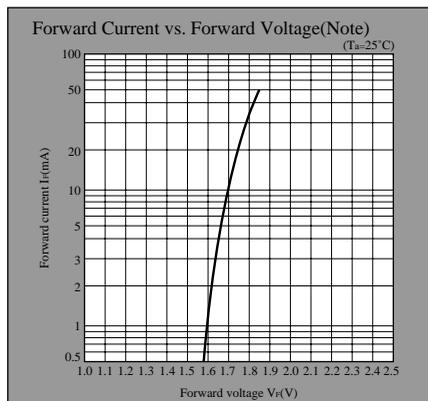
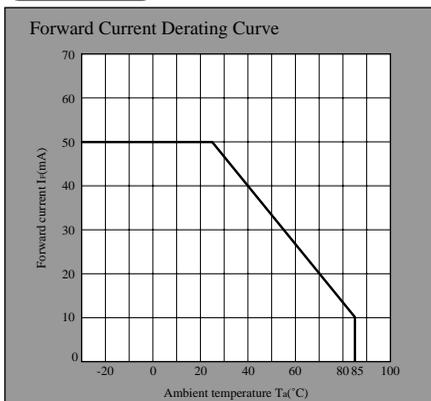
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength λ_p (nm)		Luminous intensity IV(mcd)		Spectrum radiation bandwidth $\Delta\lambda$ (nm)		Reverse current IR(μ A)		Terminal capacitance Ct(pF)		Page for characteristics diagrams
		TYP	MAX	TYP	IF (mA)	TYP	IF (mA)	TYP	IF (mA)	MAX	VR (V)	TYP	(MHz)	
Colorless transparency	GL5UR44	1.85	2.5	660	20	850	20	20	20	100	3	25	1	→
	GL5TR44	1.75	2.2	660	20	100	20	20	20	10	4	30	1	→
	GL5HJ44	1.9	2.6	620	20	1400	20	18	20	100	4	26	1	→
	GL5HV44	1.9	2.6	590	20	700	20	13	20	100	4	24	1	→

LED Lamp Characteristics Diagrams

UR series



TR series

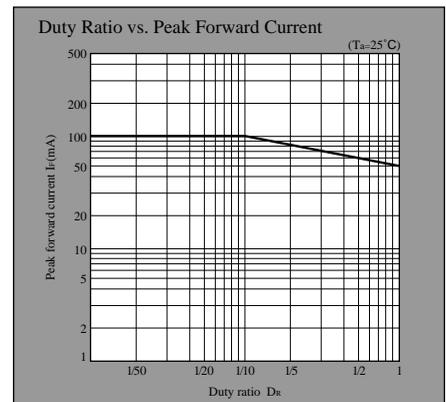
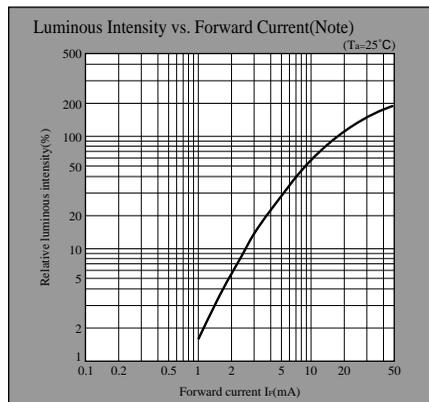
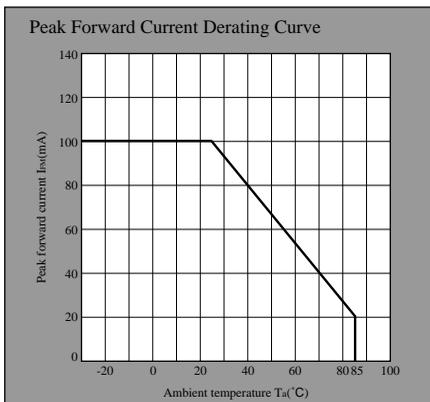
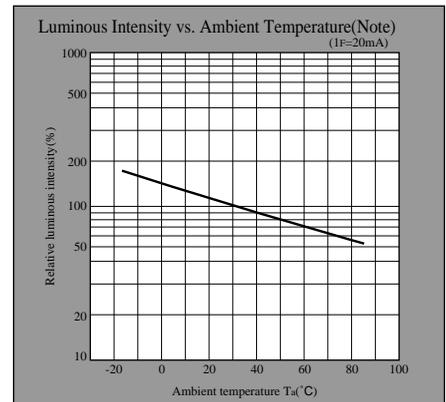
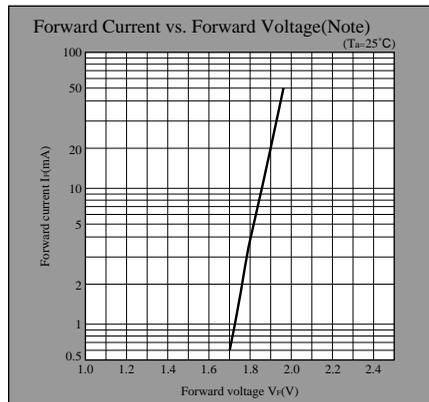
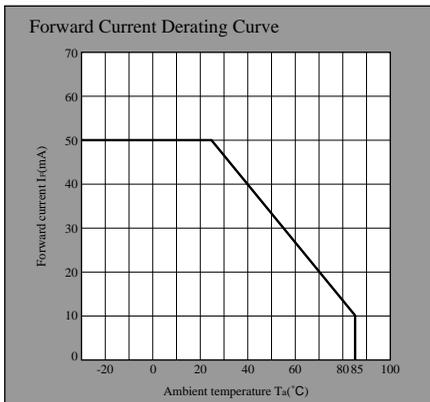


Note) Characteristics shown in diagrams are typical values. (not assurance value)

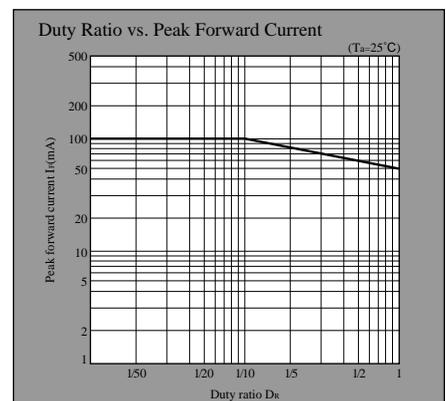
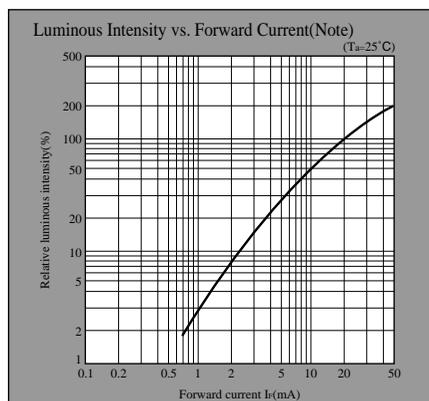
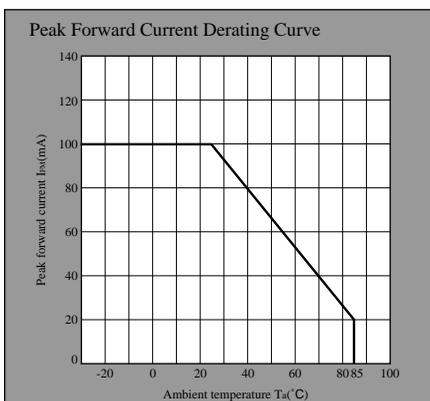
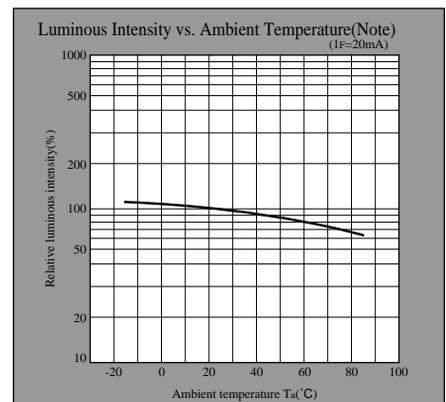
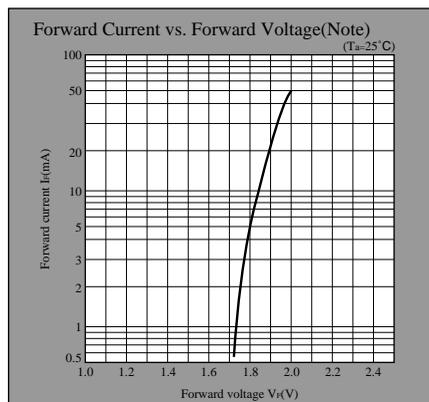
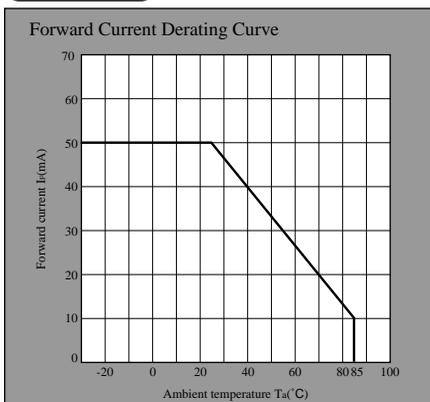
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LED Lamp Characteristics Diagrams

HV series



HJ series



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