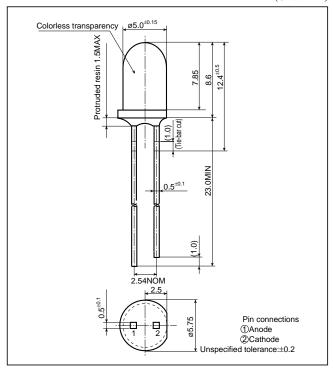
GL5DD44 series

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

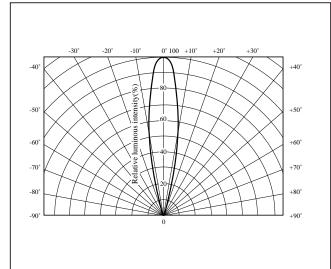
■ Outline Dimensions

(Unit: mm)



■ Radiation Diagram

(Ta=25°C)



■ Absolute Maximum Ratings

 $(T_a=25^{\circ}C)$

Model No.	Radiation color	Radiation material	Power dissipation P	Forward current	Peak forward current Іғм	Derating factor (mA/°C)		Reverse voltage V _R	Operating temperature T_{opr}	Storage temperature T_{stg}	Soldering temperature ${T_{\rm sol}}^{*3}$	
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)	
GL5UR44	Red(Super-luminosity)	GaA1As on GaA1As	75	30	50*1	0.40	0.67	4	-25 to +85	-25 to +100	260	
GL5TR44	Red(High-luminosity)	GaA1As 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

■ Electro-optical Characteristics

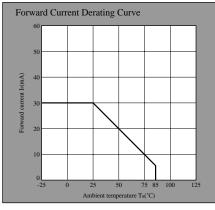
(Ta=25°C)

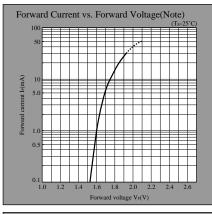
														(1a-25 C)
	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
Lens type				$\lambda_p(nm)$	IF	Iv(mcd)	IF	Δλ(nm)	IF	Ir(µA)	V_R	C _t (pF)	O. GIL	characteristics
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHz)	diagrams
	GL5UR44	1.85	2.5	660	20	850	20	20	20	100	3	25	1	\rightarrow
Colorless	GL5TR44	1.75	2.2	660	20	100	20	20	20	10	4	30	1	\rightarrow
transparency	GL5HJ44	1.9	2.6	620	20	1 400	20	18	20	100	4	26	1	\rightarrow
	GL5HV44	1.9	2.6	590	20	700	20	13	20	100	4	24	1	\rightarrow

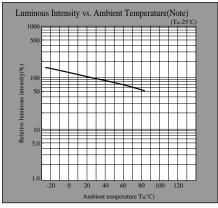
^{*2} Duty ratio=1/16, Pulse width≤1ms

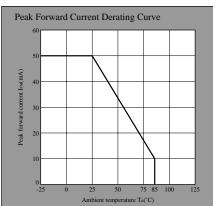
^{*3 5}s or less(At the position of 1.6mm or more from the bottom face of resin package)

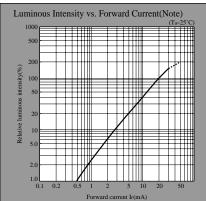
UR series

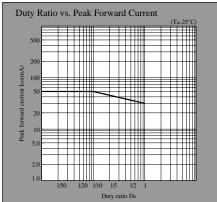




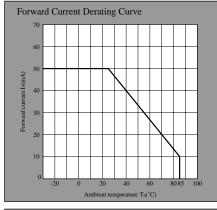


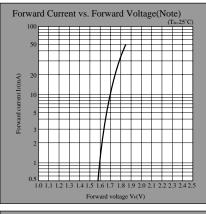


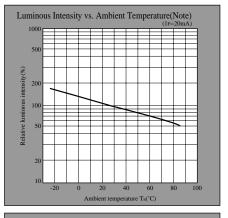


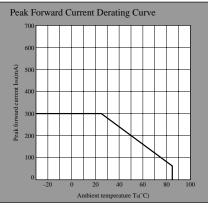


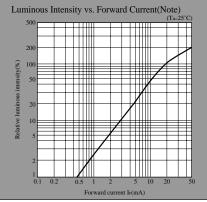
TR series

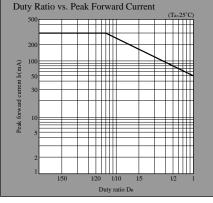








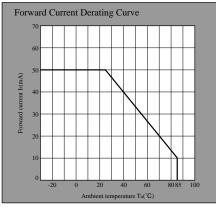


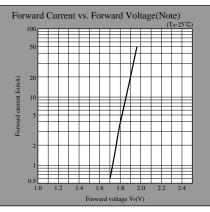


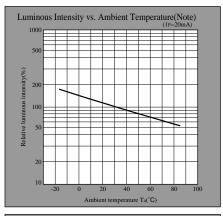
Note) Characteristics shown in diagrams are typical values. (not assurance value)

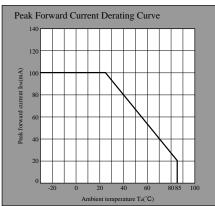
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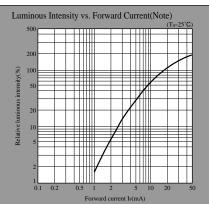
HV series

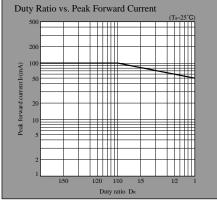




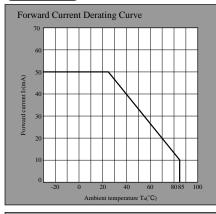


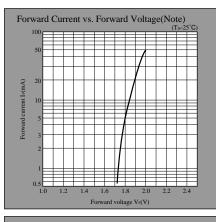


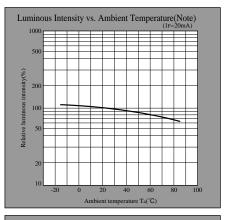


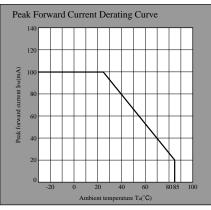


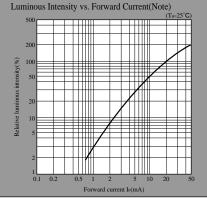
HJ series

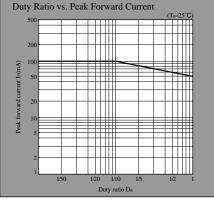












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