

Mini-mold LED Lamp

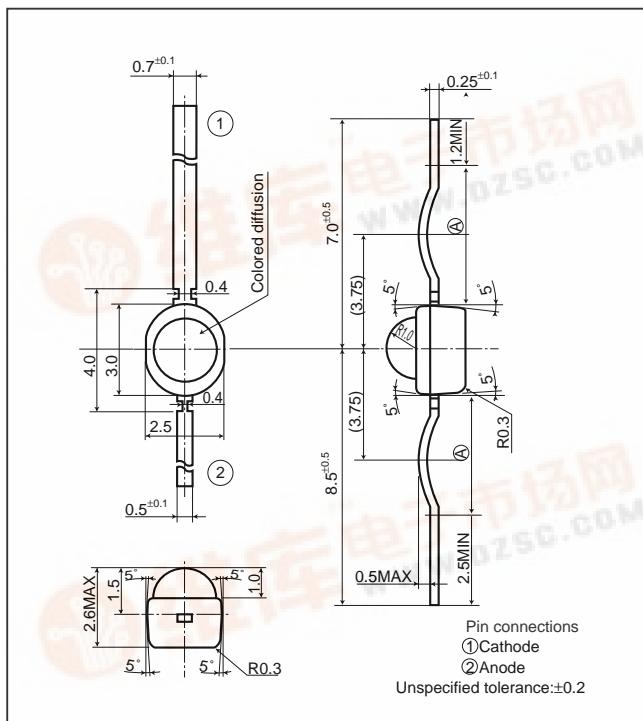
GL1□□135 series

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ø2mm, Forming Type, Colored Diffusion, Compact LED Lamp for Backlight/Indicator

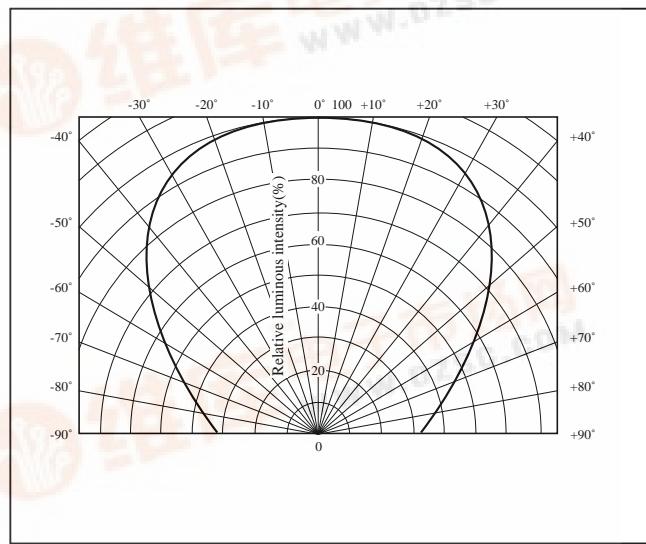
■ Outline Dimensions

(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*1 (mA)	Derating factor (mA/°C)		Reverse voltage Vr (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)	Soldering temperature Tsot*2 (°C)
						DC	Pulse				
GL1PR135	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
GL1HD135	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HS135	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HY135	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260
GL1EG135	Yellow-green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260

*1 Duty ratio=1/10, Pulse width=0.1ms

*2 Below the A portion of outline drawing

■ Electro-optical Characteristics

(Ta=25°C)

Lens type	Model No.	Forward voltage Vf(V)		Peak emission wavelength λp(nm) TYP	If (mA)	Luminous intensity		Spectrum radiation bandwidth Δλ(nm) TYP	If (mA)	Reverse current		Terminal capacitance Ct(pF) TYP	(MHz)	Page for characteristics diagrams
		TYP	MAX			Iv(mcd) TYP	If (mA)			Ir(μA) MAX	Vr (V)			
Colored diffusion	GL1PR135	1.9	2.3	695	5	2.6	5	100	5	10	4	55	1	→
	GL1HD135	2.0	2.8	635	20	8.8	20	35	20	10	4	20	1	→
	GL1HS135	2.0	2.8	610	20	14.4	20	35	20	10	4	15	1	→
	GL1HY135	1.9	2.5	585	10	4.5	10	30	10	10	4	35	1	→
	GL1EG135	1.95	2.5	565	10	7.0	10	30	10	10	4	35	1	→

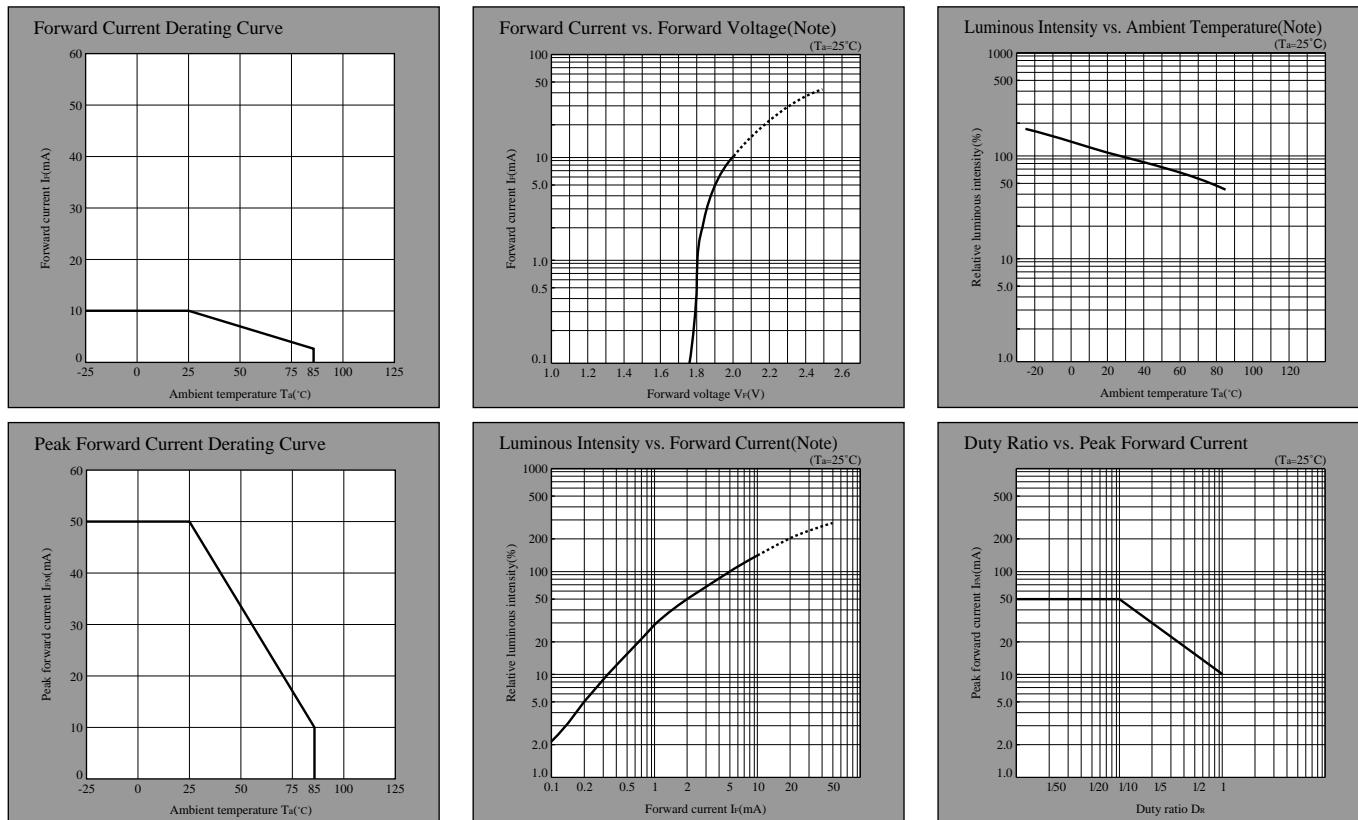
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(*) The forward voltage is measured at a current of 10mA and a temperature of 25°C. The reverse voltage is measured at a current of 10μA and a temperature of 25°C.

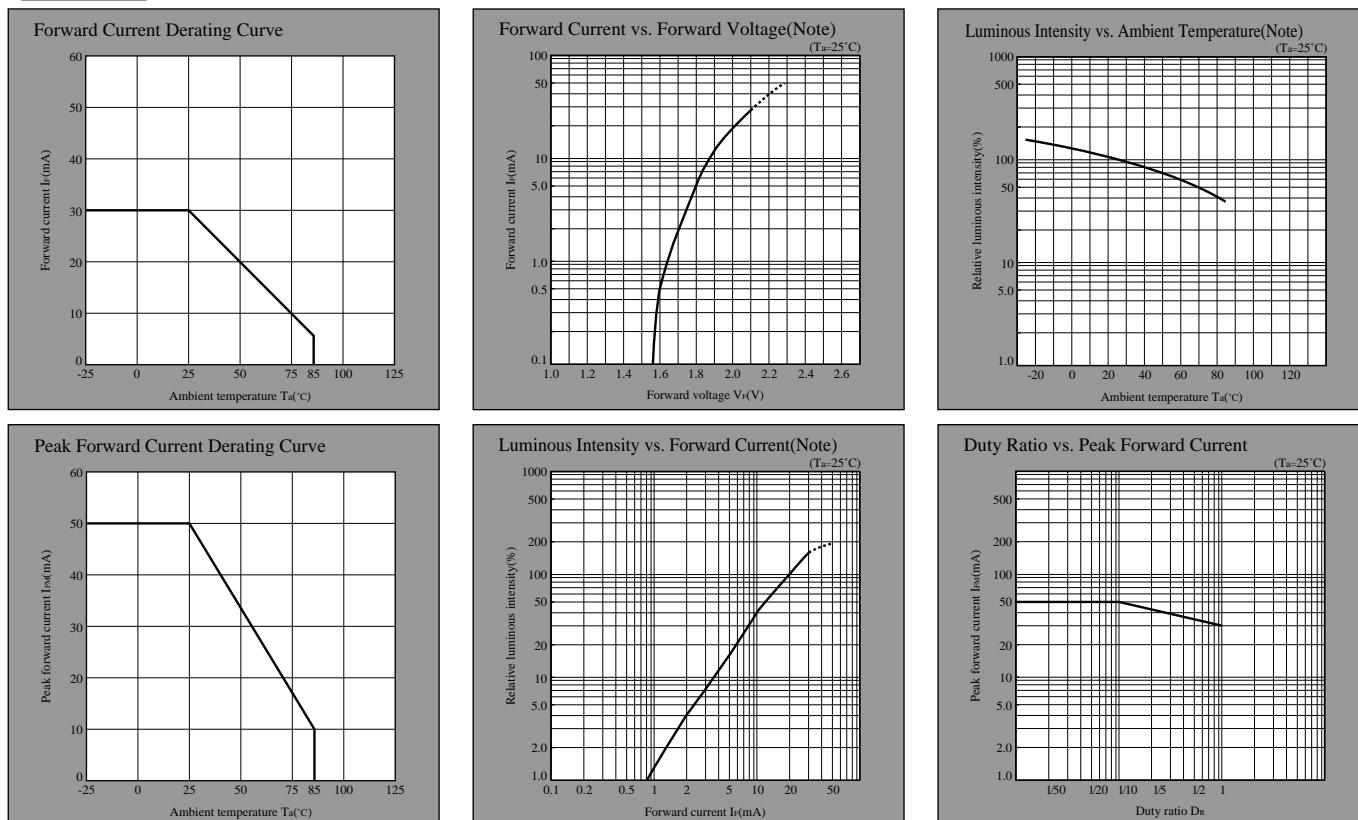


LED Lamp Characteristics Diagrams

PR series



HD series



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

(Notice)

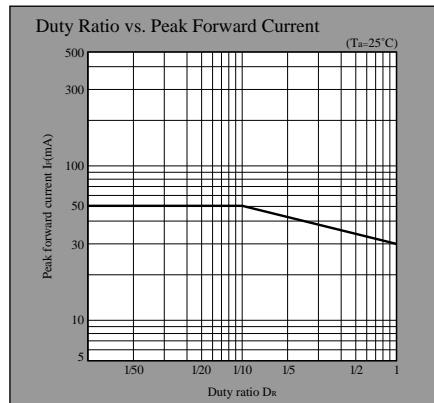
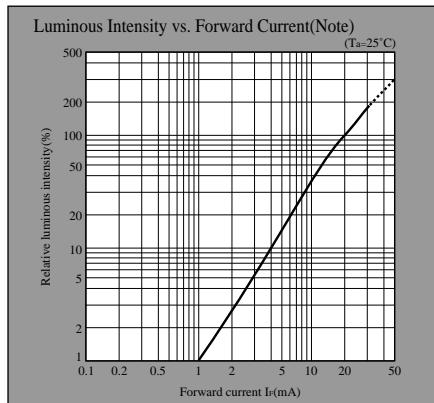
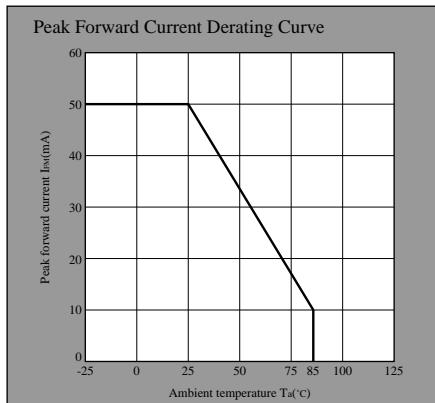
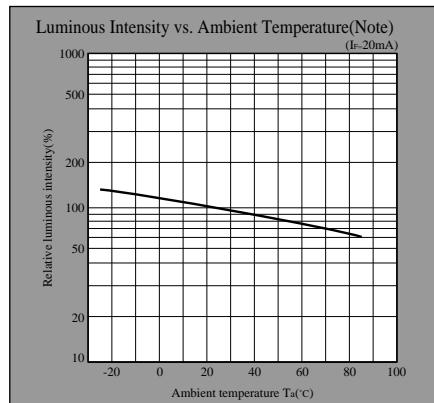
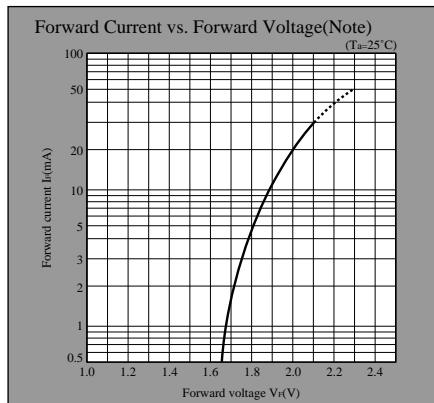
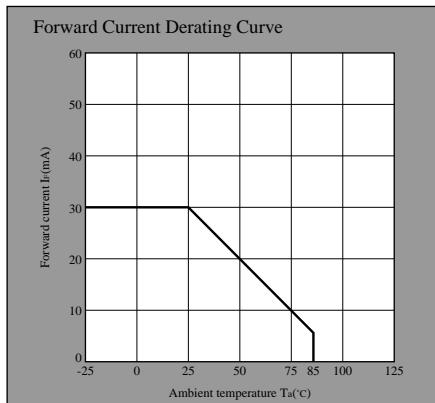
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(Note)

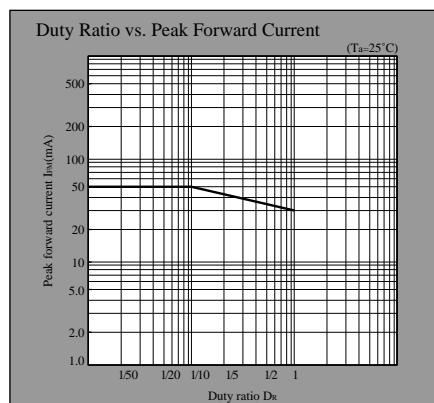
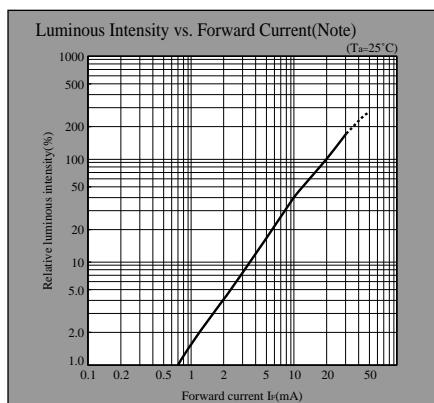
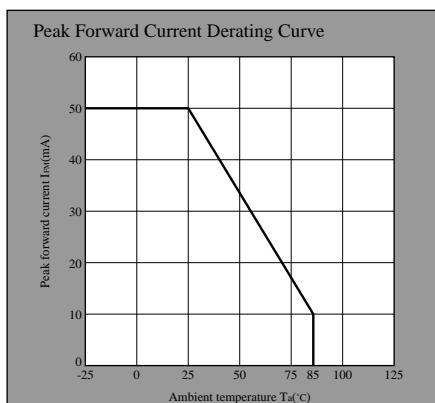
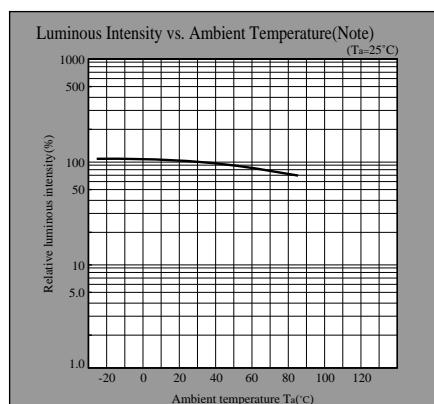
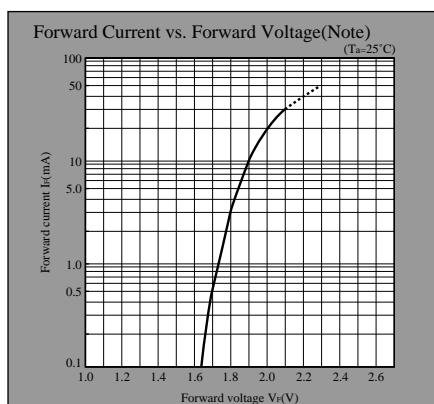
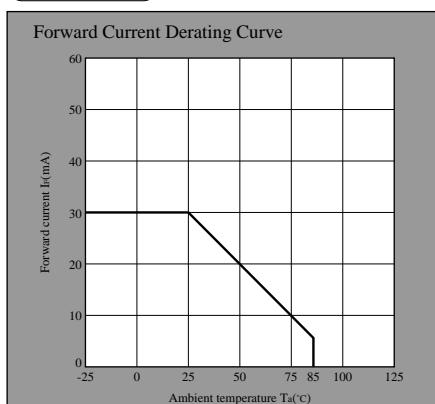
- Derating factor for ambient temperature is 1.0 at 25°C and 1.0 at 0°C and 1.0 at 100°C .

LED Lamp Characteristics Diagrams

HS series



HY series



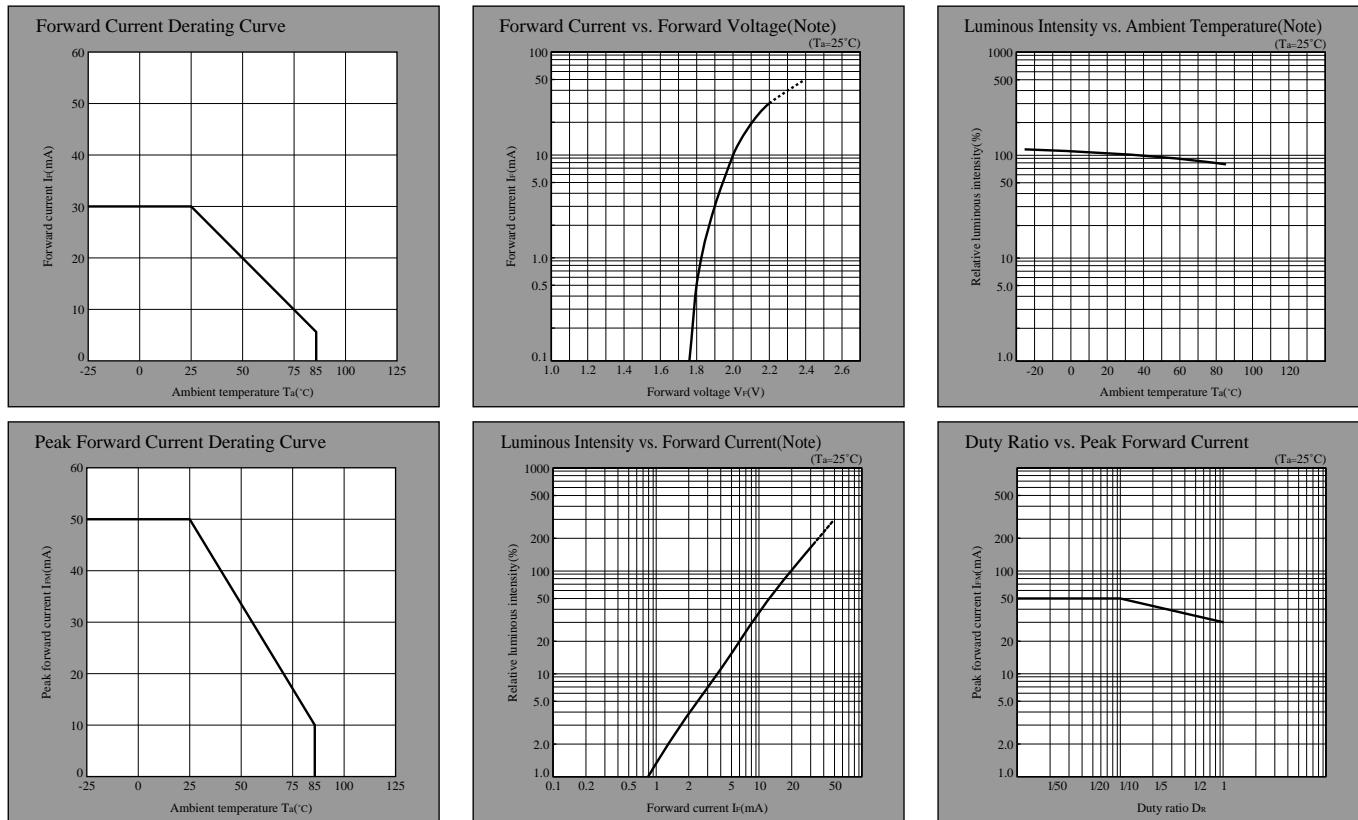
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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(Notice) • Due to the characteristics of the device, it is recommended to use it at a maximum ambient temperature of 40°C. Use under the "over-temperature protection" function.

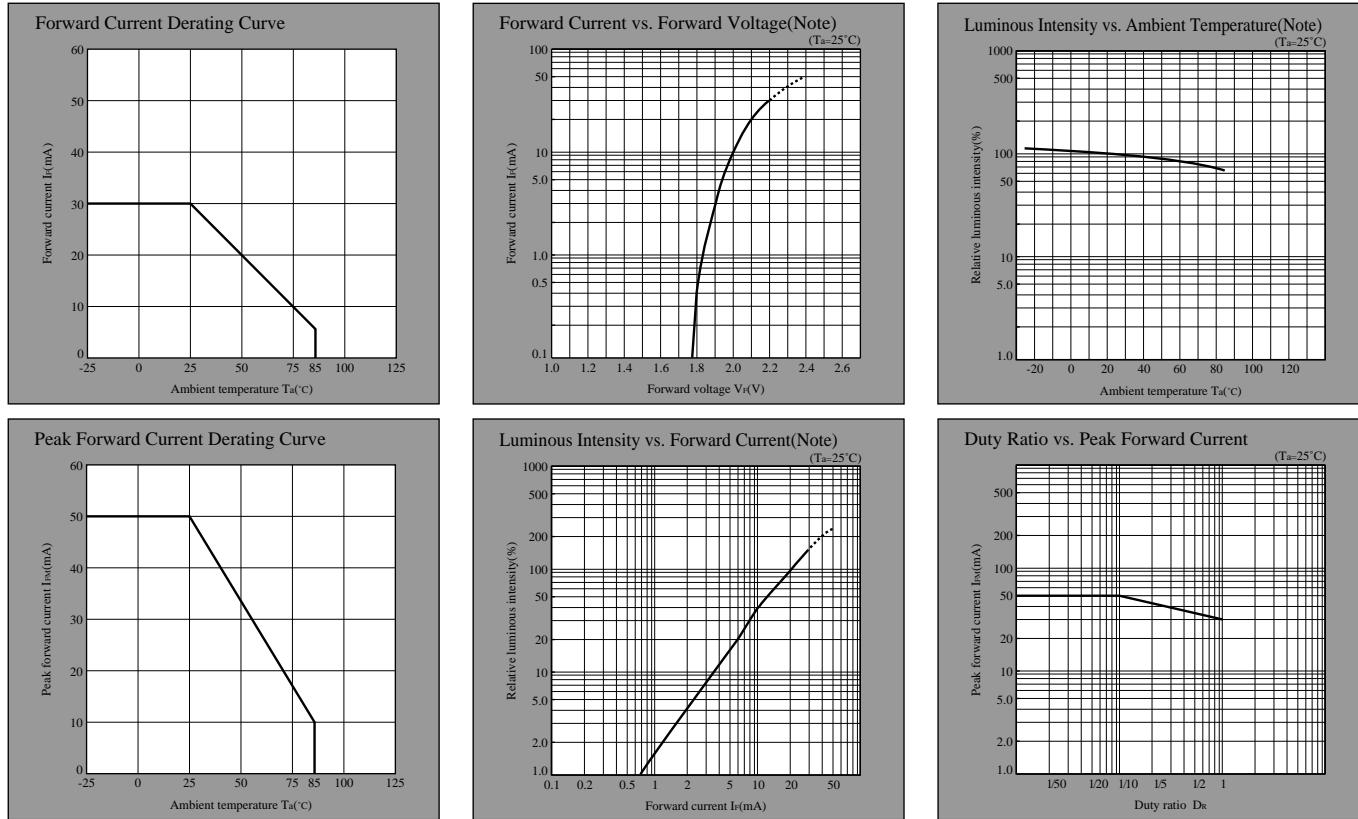
LED Lamp Characteristics Diagrams

EG series



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

KG series



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(Notice)

Do not use the device under any circumstances that may result in fire, explosion, or other damage.