

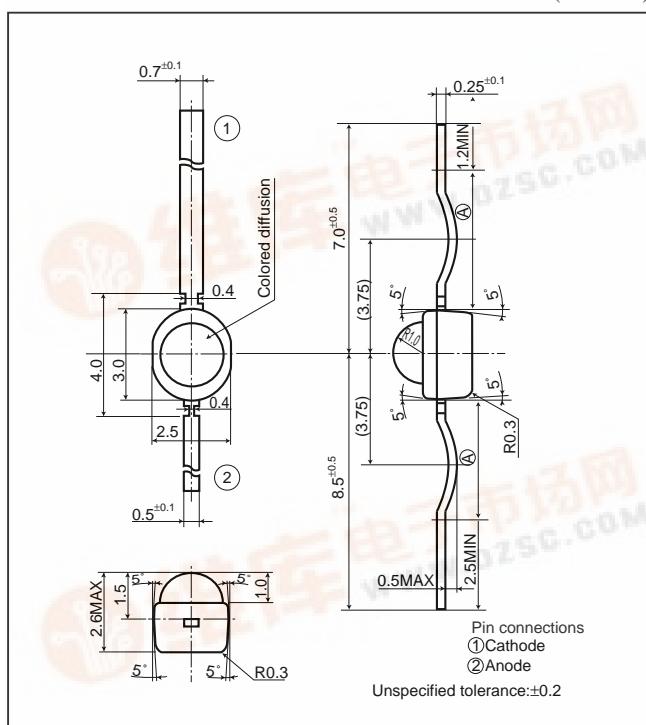
Mini-mold LED Lamp

GL1□□136 series

GL1□□136 series

■ Outline Dimensions

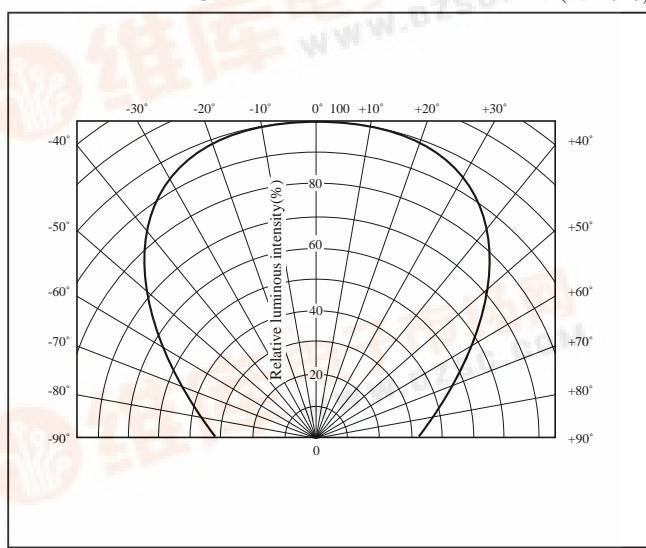
(Unit:mm)



Ø2mm, Forming Type, Colored Diffusion, Compact LED Lamp for Backlight/Indicator

■ 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 T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*2} (°C)
						DC	Pulse				
GL1PR136	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
GL1HD136	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HS136	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HY136	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260
GL1EG136	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 V _F (V)		Peak emission wavelength λ _p (nm)		Luminous intensity Iv(mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current I _R (μA)		Terminal capacitance C(pF)		Page for characteristics diagrams
		TYP	MAX	TYP	I _F (mA)	TYP	I _F (mA)	TYP	I _F (mA)	MAX	V _R (V)	MHz		
Colored diffusion	GL1PR136	1.9	2.3	695	5	2.6	5	100	5	10	4	55	1	→
	GL1HD136	2.0	2.8	635	20	8.8	20	35	20	10	4	20	1	→
	GL1HS136	2.0	2.8	610	20	14.4	20	35	20	10	4	15	1	→
	GL1HY136	1.9	2.5	585	10	4.5	10	30	10	10	4	35	1	→
	GL1EG136	1.95	2.5	565	10	7.0	10	30	10	10	4	35	1	→

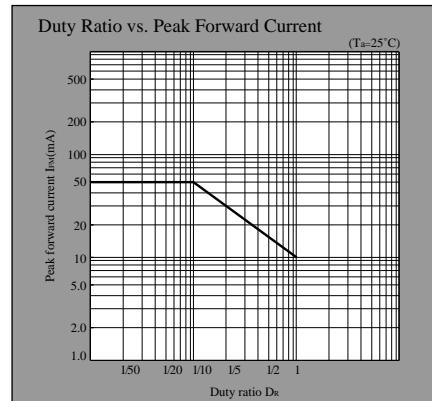
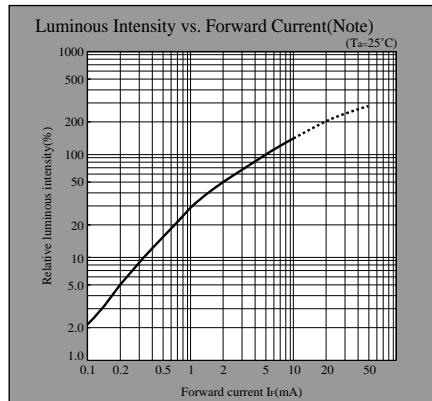
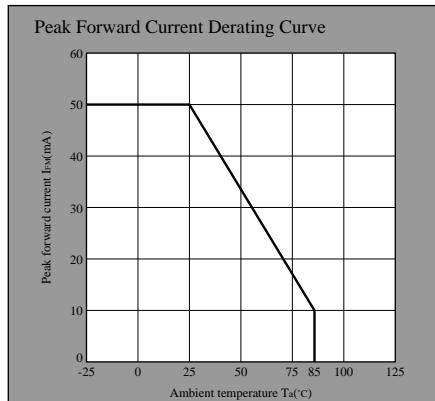
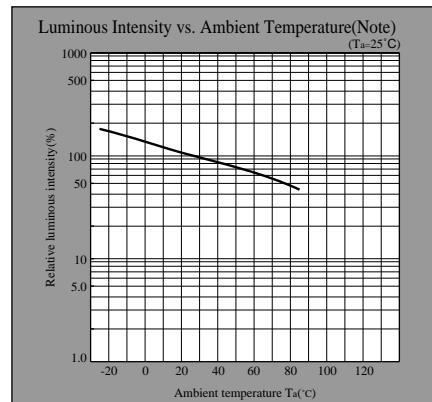
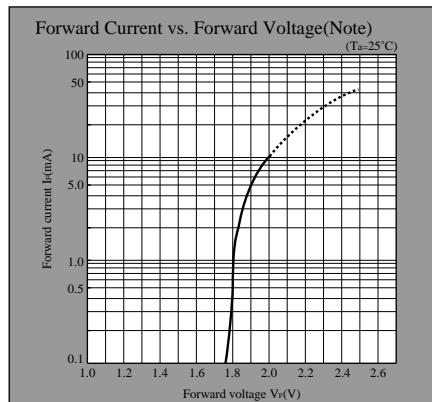
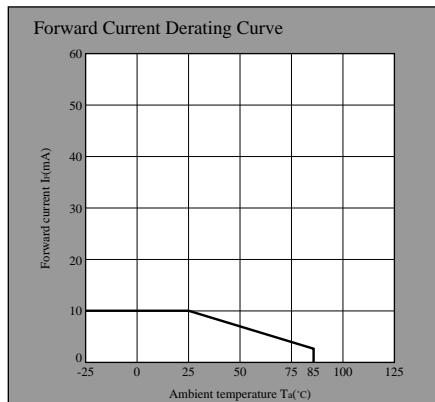
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(Notice) Due to the characteristics of the device, it is recommended to use it with a driver having a current limit function.

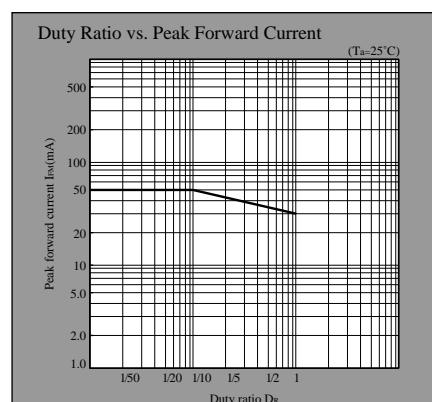
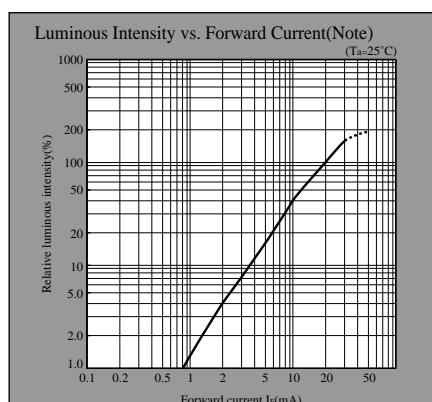
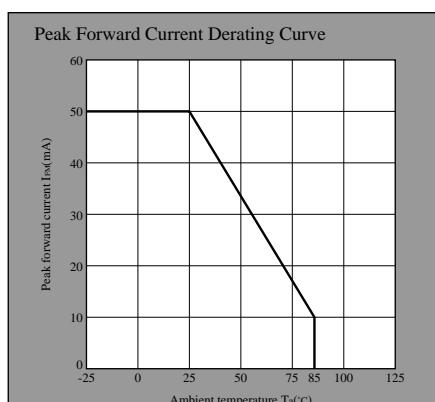
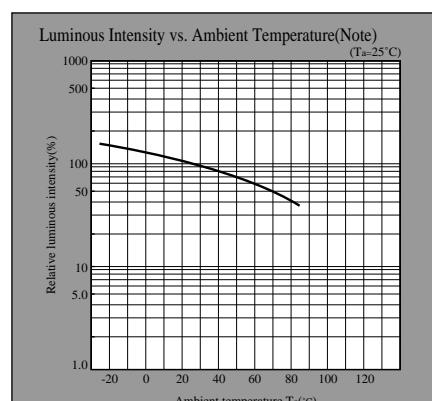
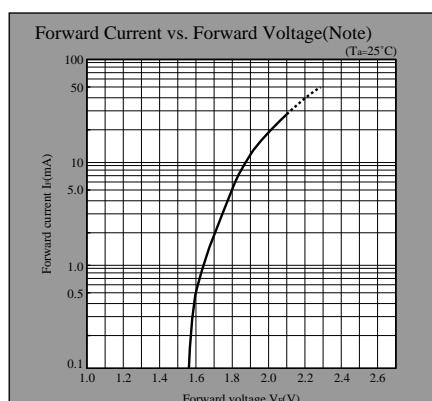
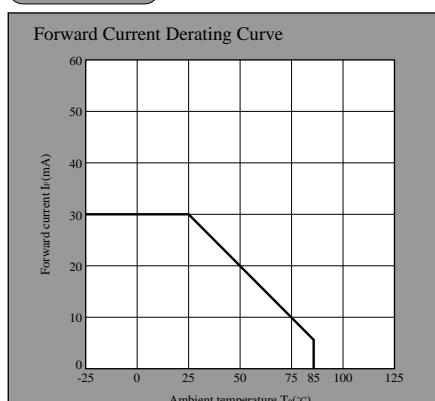


LED Lamp Characteristics Diagrams

PR series



HD series



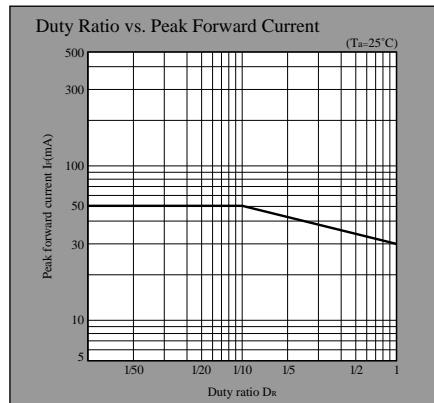
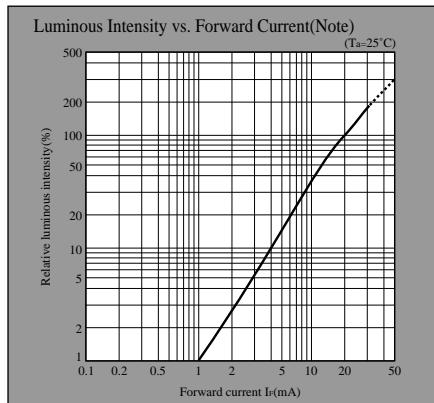
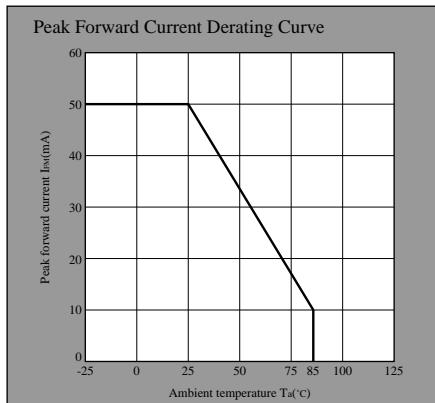
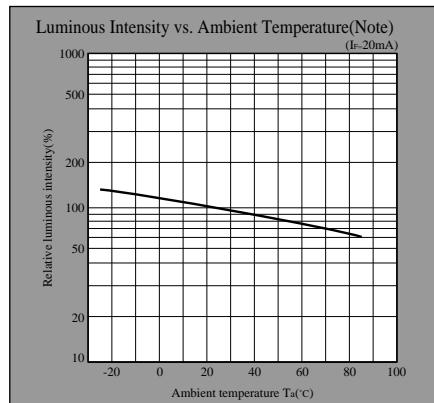
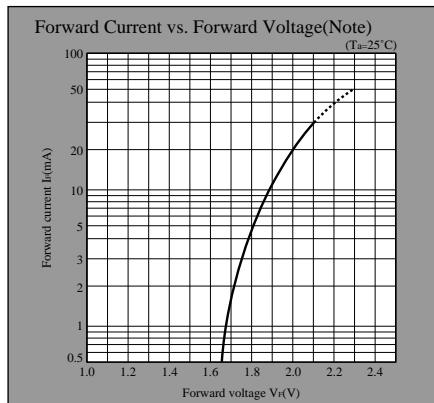
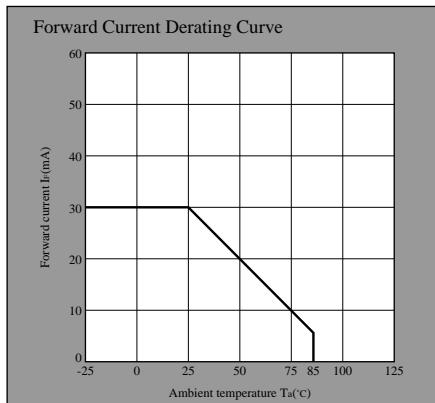
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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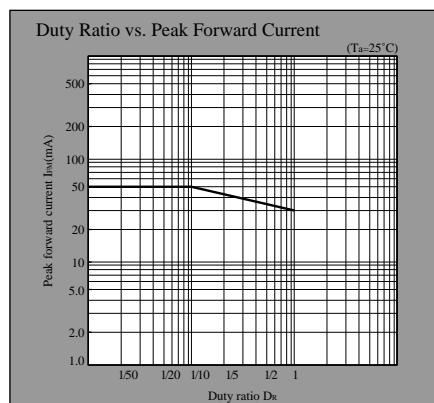
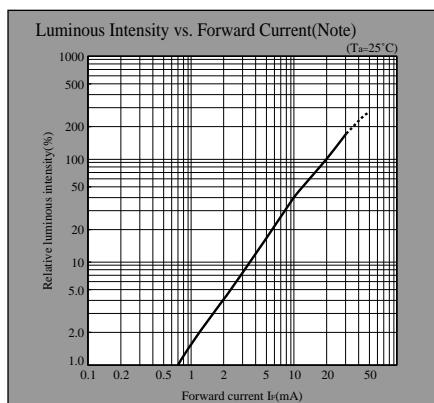
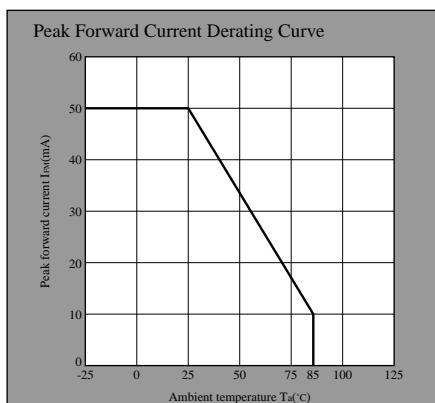
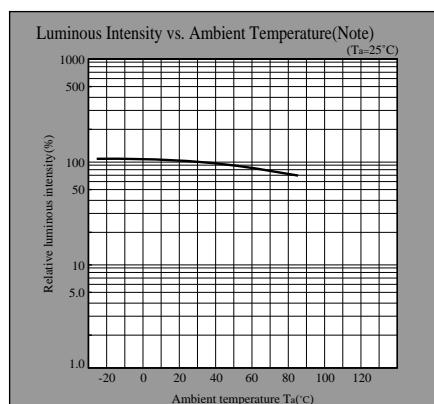
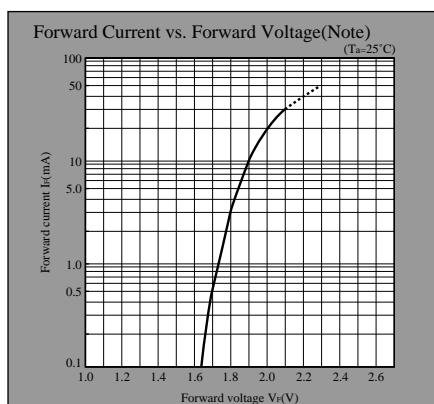
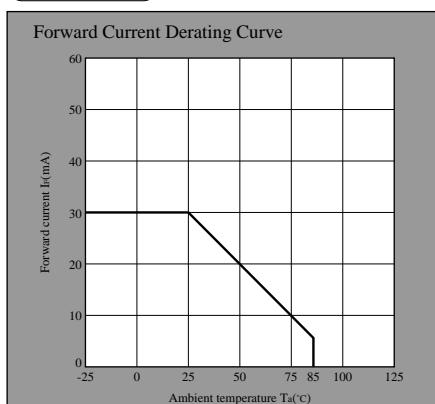
(Note) ● Data for the characteristics in these diagrams is measured at 100% duty ratio. (Ambient temperature: 25°C, forward current: 10mA, forward voltage: 1.8V)

LED Lamp Characteristics Diagrams

HS series



HY series



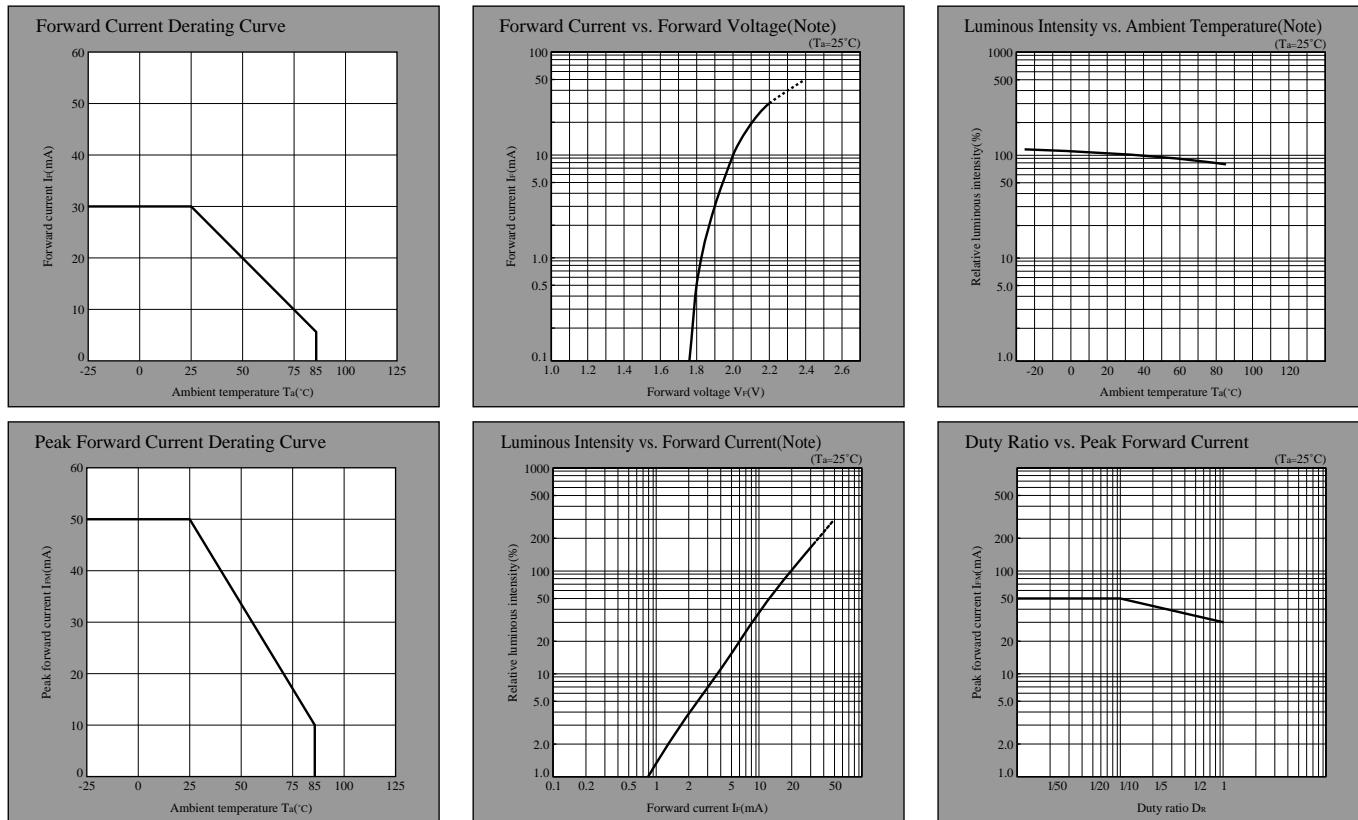
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(Notice) • Due to the characteristics of the device, it is recommended to use it at a maximum ambient temperature of 40°C. Use under the "over-temperature protection" function.

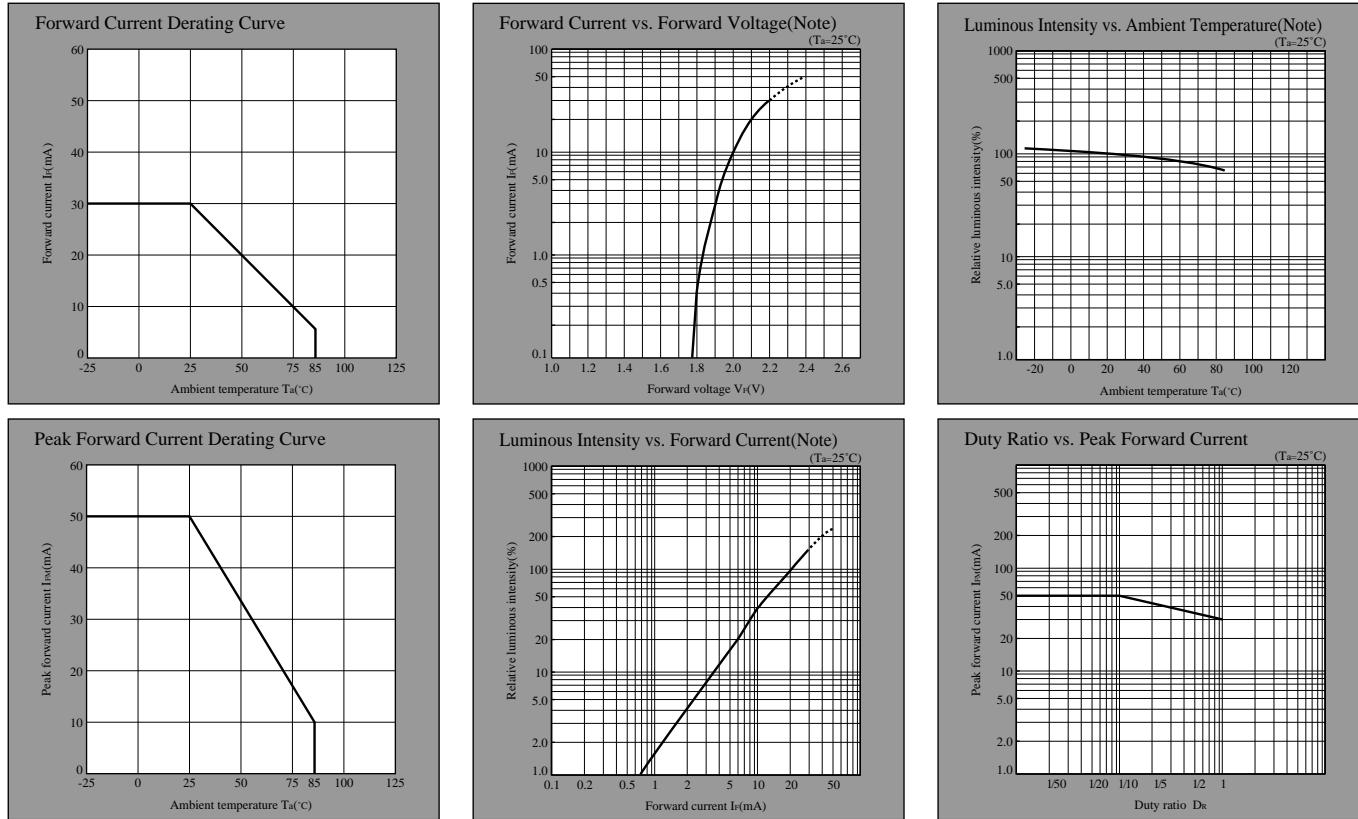
LED Lamp Characteristics Diagrams

EG series



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

KG series



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

(Notice)

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(Notice)

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