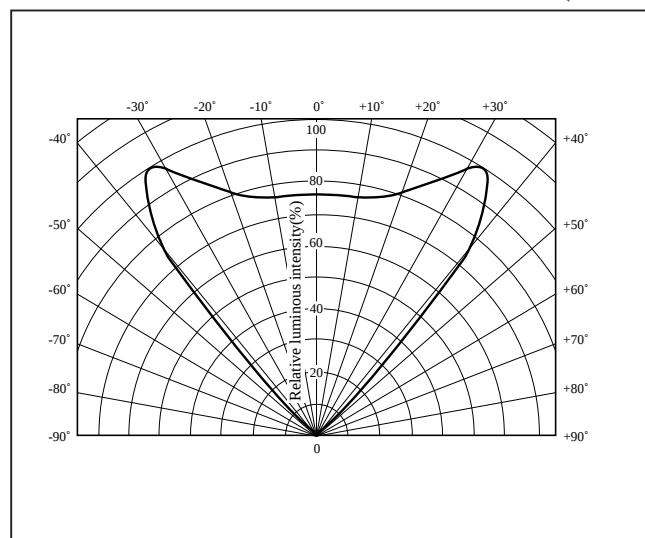


ø3mm(T-1), Cylinder(Thin Type), Colored Transparency LED Lamps for Backlight

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

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

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current I _F (mA)	Peak forward current I _{FM} ^{*1} (mA)	Derating factor (mA/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*2} (°C)
						DC	Pulse				
GL3PR43	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
GL3HD43	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3HS43	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3HY43	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3EG43	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3KG43	Green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260

*2 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

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

Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ _p (nm) TYP	I _F (mA)	I _v (mcd) TYP	I _F (mA)	Δλ(nm) TYP	I _F (mA)	I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colored transparency	GL3PR43	1.9	2.3	695	5	3.0	5	100	5	10	4	55	1	→
	GL3HD43	2.0	2.8	635	20	25.0	20	35	20	10	4	20	1	→
	GL3HS43	2.0	2.8	610	20	25.0	20	35	20	10	4	15	1	→
	GL3HY43	2.0	2.8	585	20	25.0	20	30	20	10	4	35	1	→
	GL3EG43	2.1	2.8	565	20	38.0	20	30	20	10	4	35	1	→
	GL3KG43	2.1	2.8	555	20	20.0	20	25	20	10	4	40	1	→

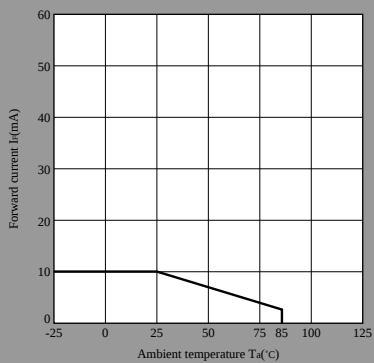
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(Internet) ● Data for sharp's optoelectronic/power device is provided for internet.(Address <http://www.sharp.co.jp/ecg/>)

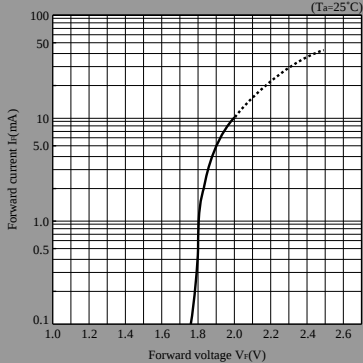
LED Lamp Characteristics Diagrams

PR series

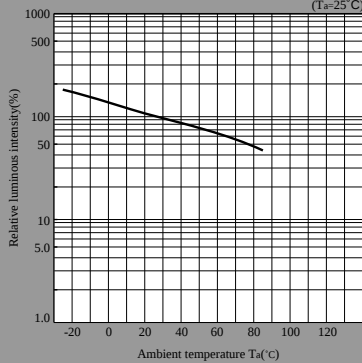
Forward Current Derating Curve



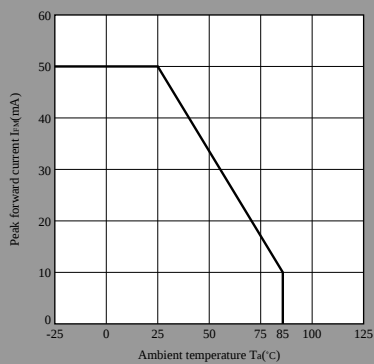
Forward Current vs. Forward Voltage(Note)



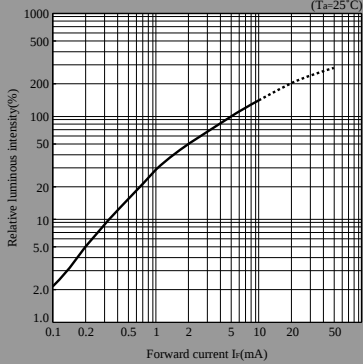
Luminous Intensity vs. Ambient Temperature(Note)



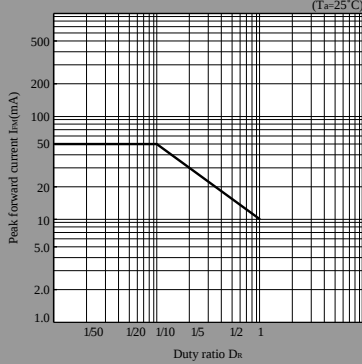
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)

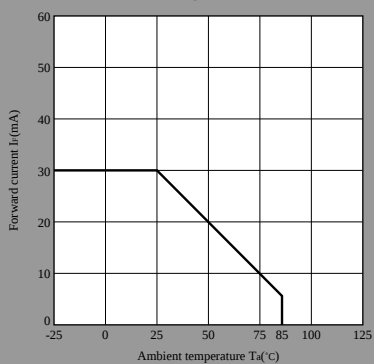


Duty Ratio vs. Peak Forward Current

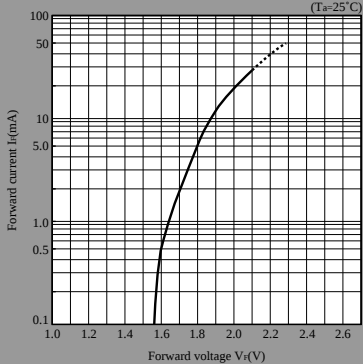


HD series

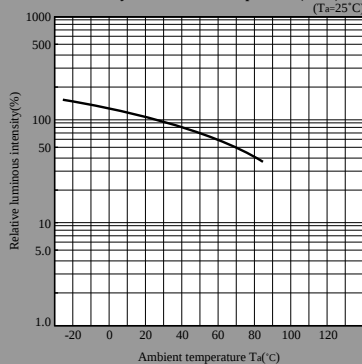
Forward Current Derating Curve



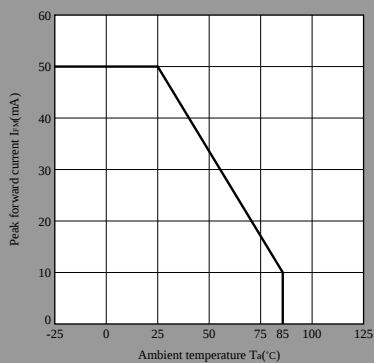
Forward Current vs. Forward Voltage(Note)



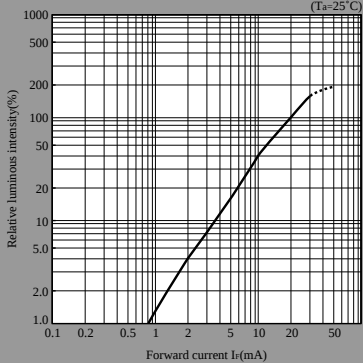
Luminous Intensity vs. Ambient Temperature(Note)



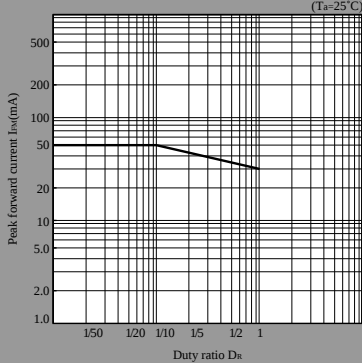
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



Duty Ratio vs. Peak Forward Current

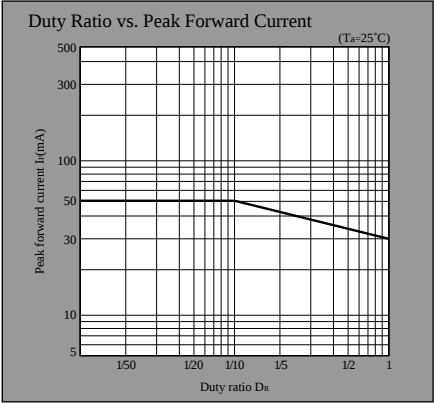
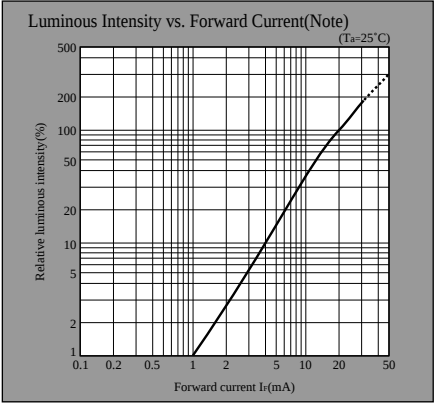
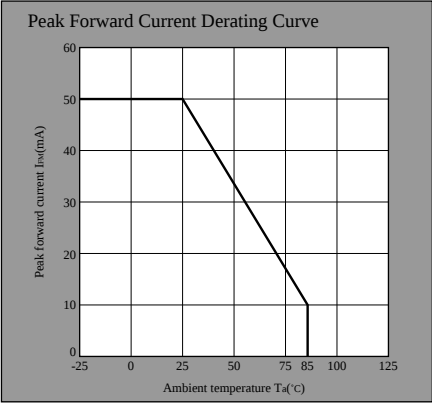
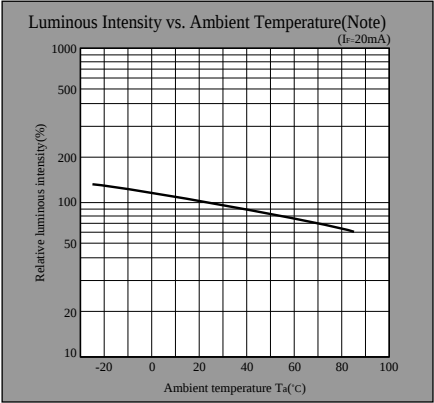
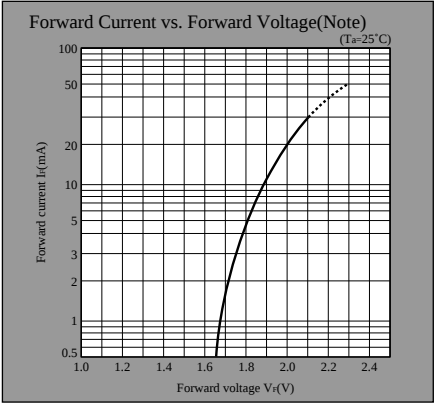
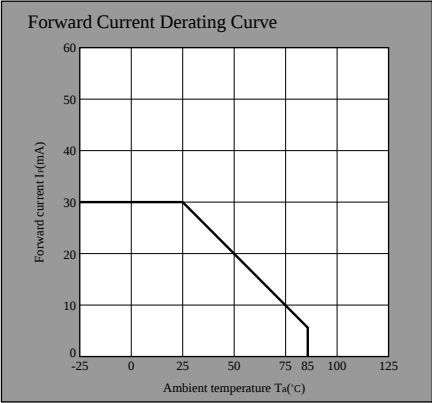


Note) Characteristics shown in diagrams are typical values. (not assurance value)

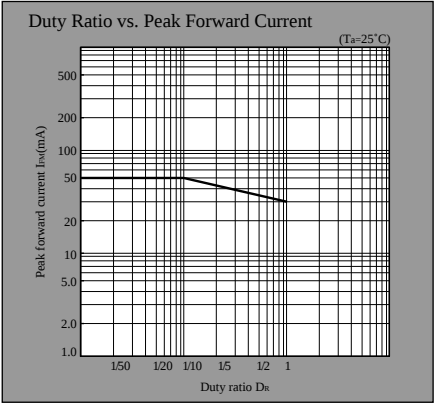
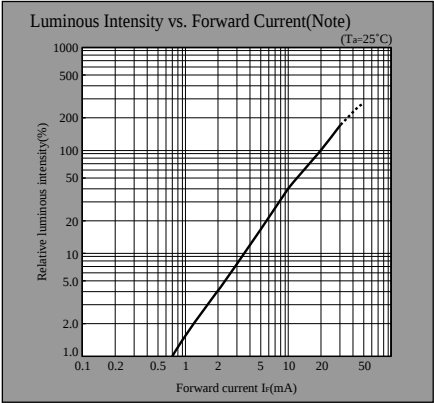
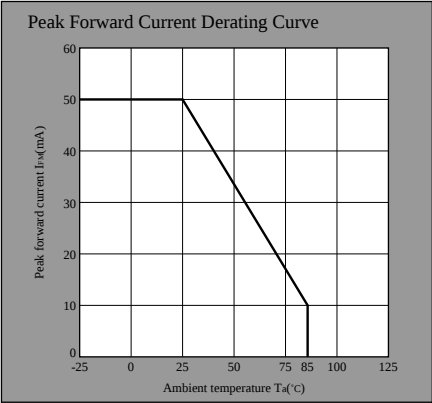
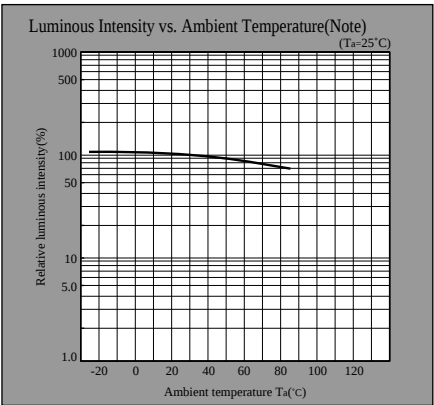
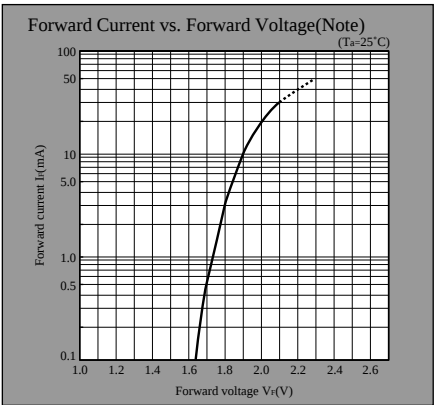
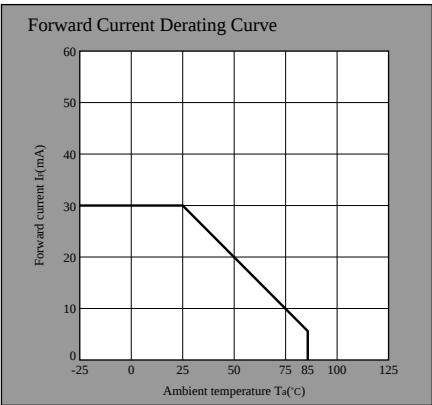
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LED Lamp Characteristics Diagrams

HS series



HY series

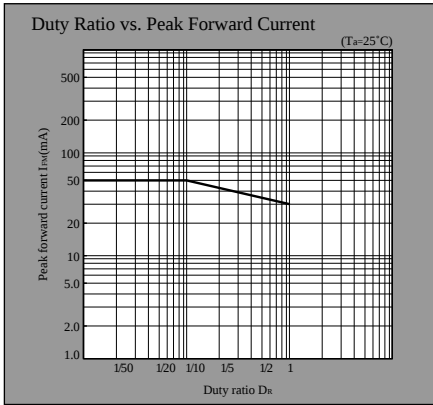
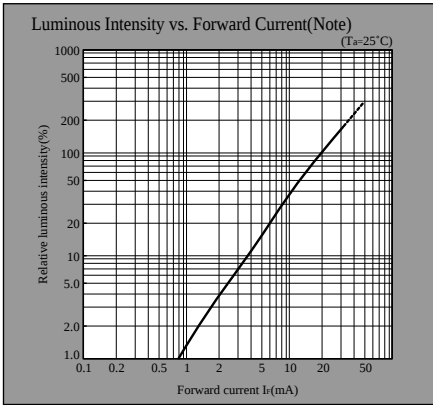
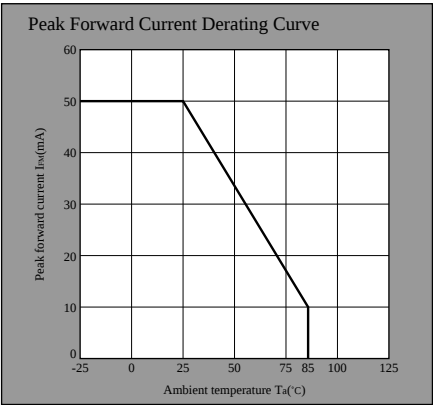
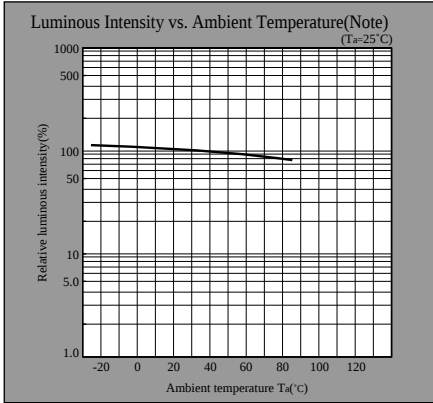
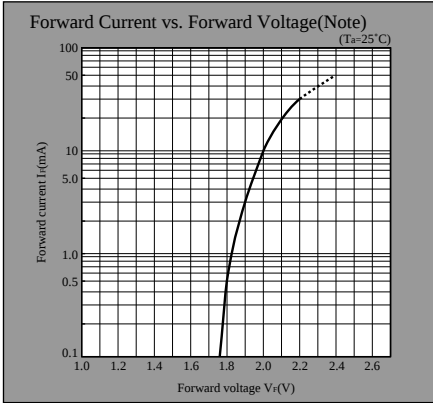
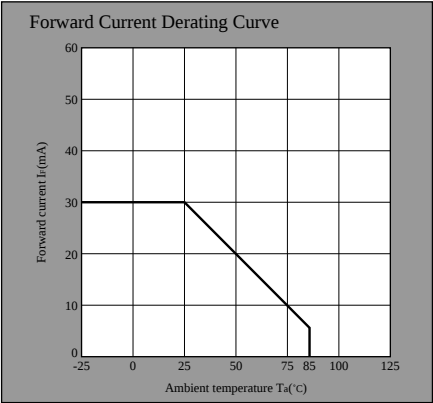


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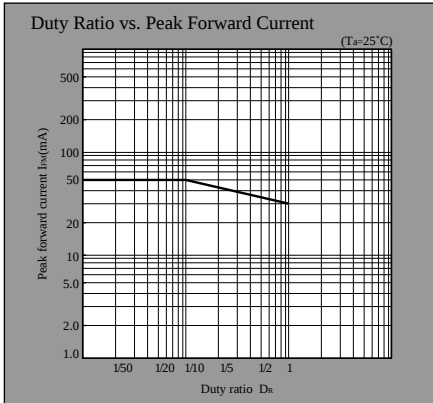
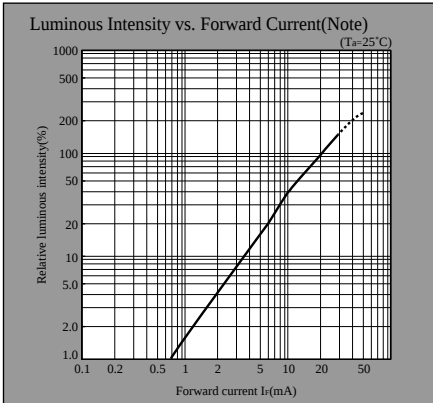
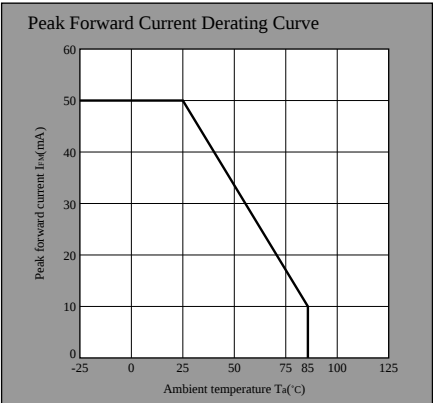
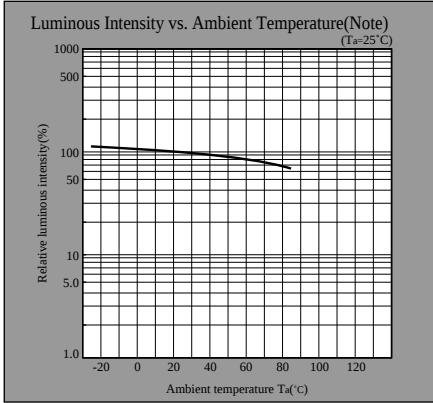
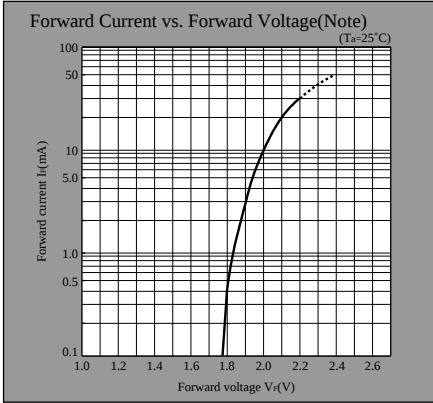
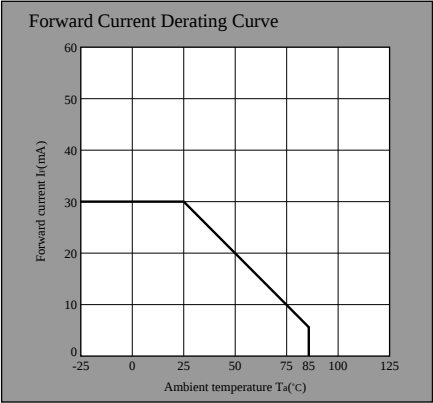
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LED Lamp Characteristics Diagrams

EG series



KG series



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