

Dichromatic LED Lamp

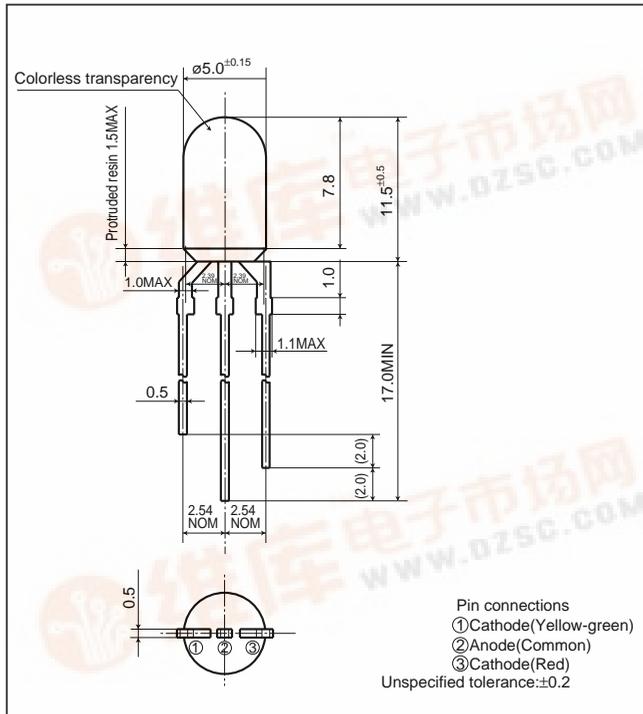
GL6CU11

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

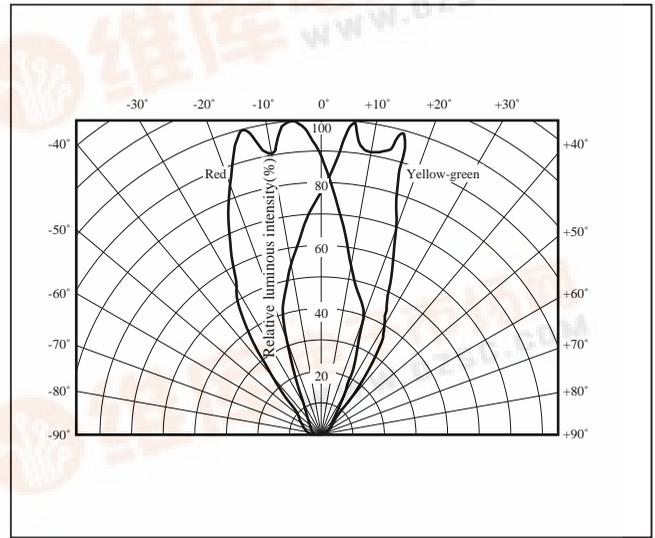
Outline Dimensions

(Unit : mm)



Radiation Diagram

(Ta=25°C)



Absolute Maximum Ratings

(Ta=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P ^{*1} (mW)	Forward current I _F (mA)	Peak forward current I _F ^{*2} (mA)	Derating factor (mA/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*3} (°C)
						DC	Pulse				
GL6CU11	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50	0.40	0.67	4			

*1 The value is specified under the condition that either color is lightened separately. When the both diodes are lightened simultaneously, the power dissipation of each diode should be less than the half of the value specified in this table.

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

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

Electro-optical Characteristics

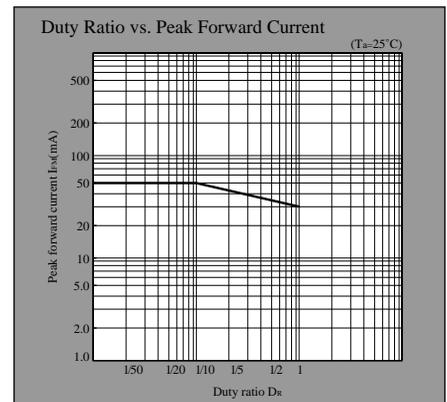
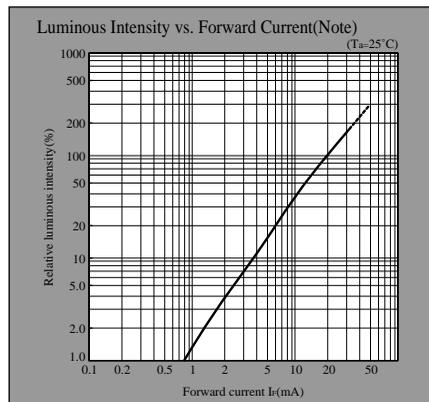
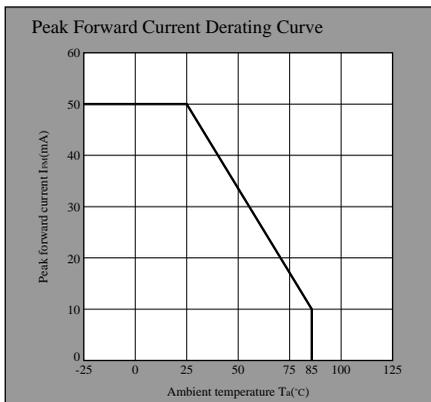
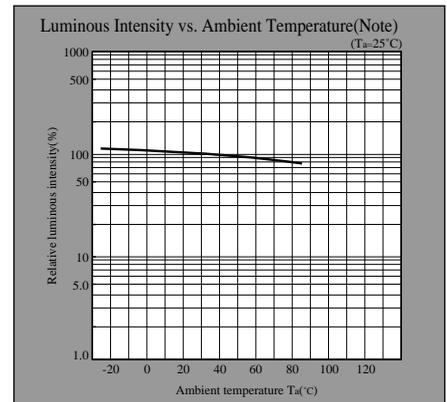
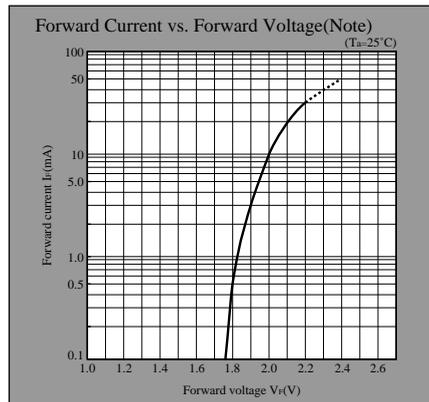
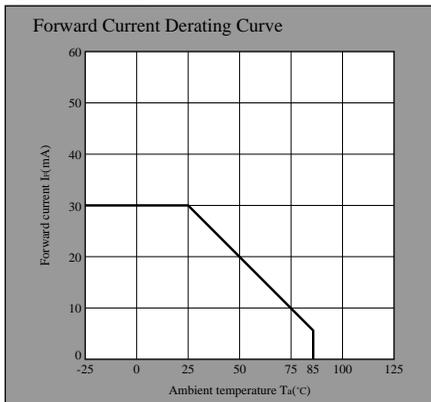
(Ta=25°C)

Lens type	Model No.	Radiation color	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm)		Luminous intensity I _v (mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current I _R (μA)		Terminal capacitance C _t (pF)		Page for characteristics diagrams
			TYP	MAX	TYP	I _F (mA)	TYP	I _F (mA)	TYP	I _F (mA)	MAX	V _R (V)	TYP	(MHz)	
Colorless transparency	GL6CU11	Yellow-green	2.1	2.8	565	20	80	20	30	20	10	4	35	1	→
		Red(Super-luminosity)	1.85	2.5	660	20	150	20	20	20	100	3	30	1	→



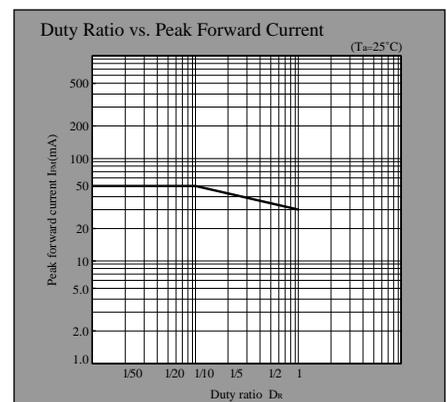
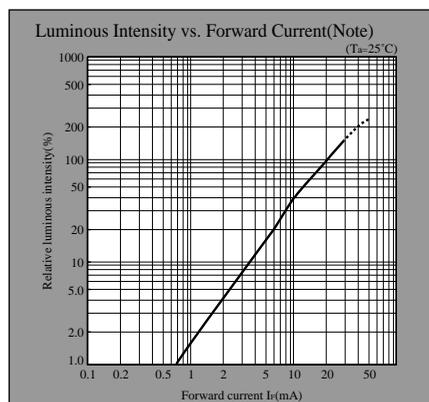
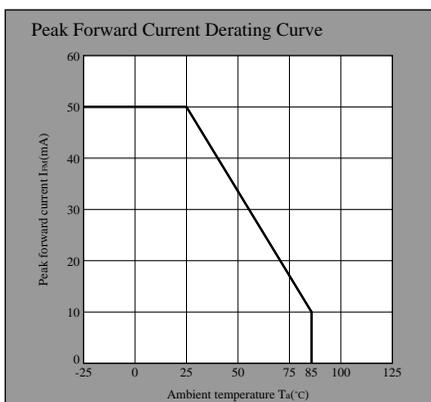
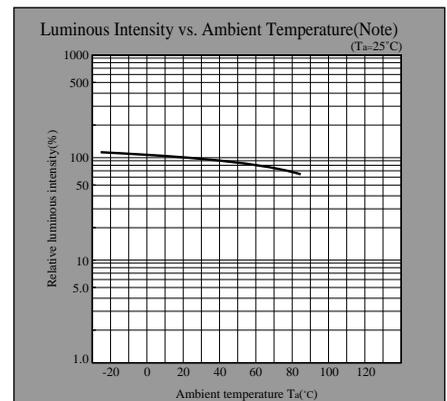
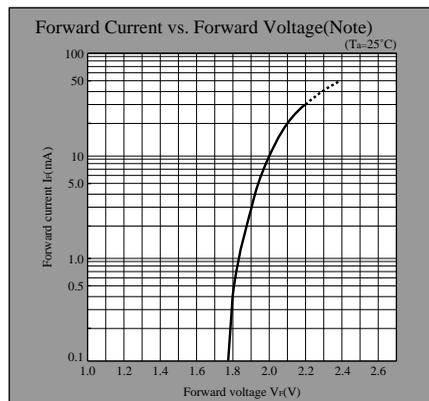
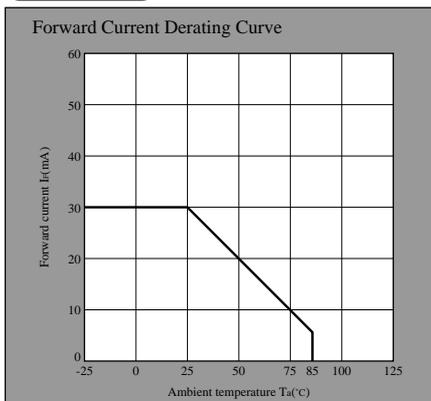
LED Lamp Characteristics Diagrams

EG series



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

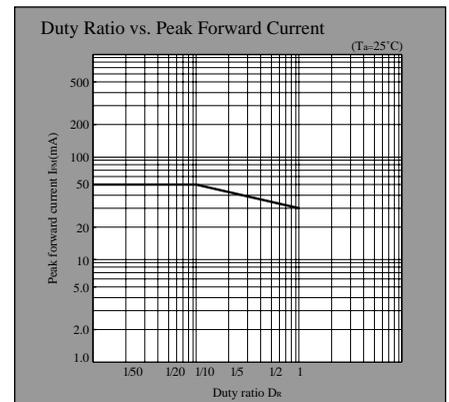
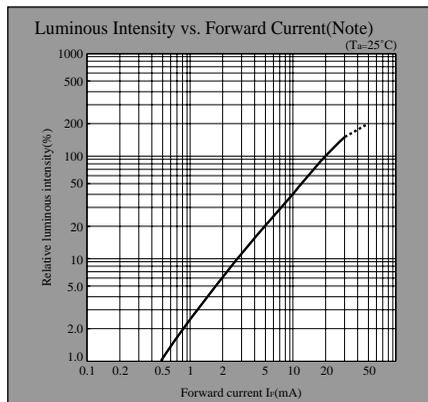
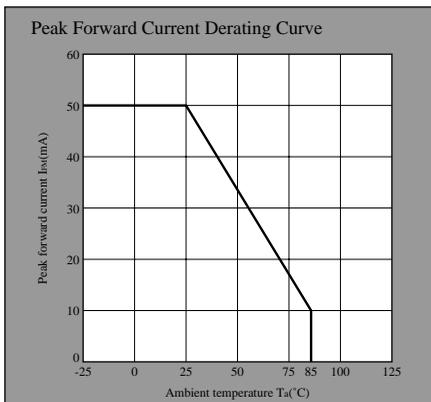
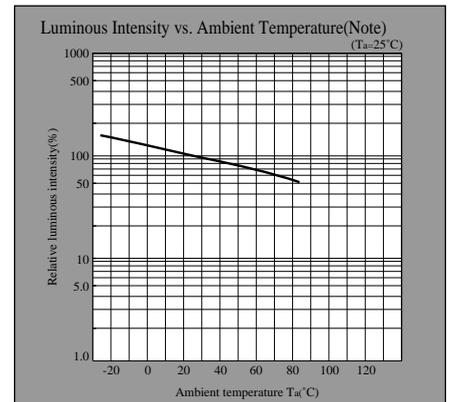
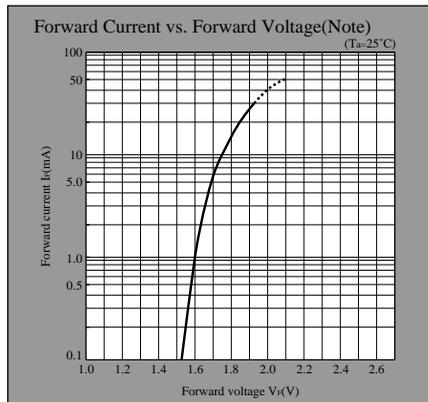
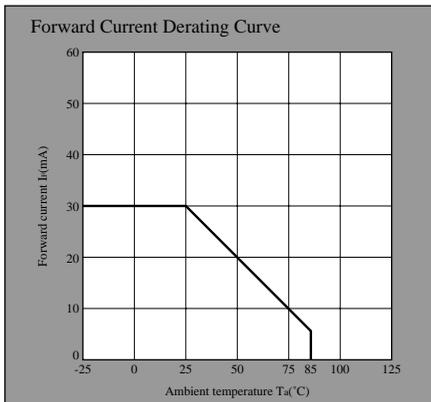
KG series



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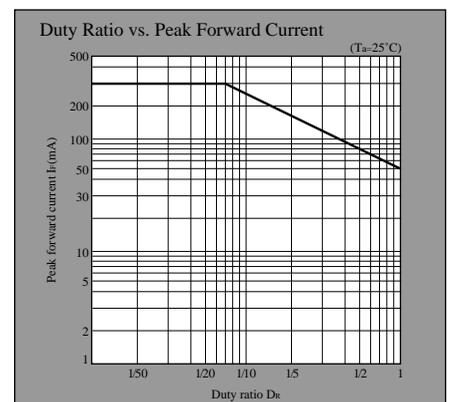
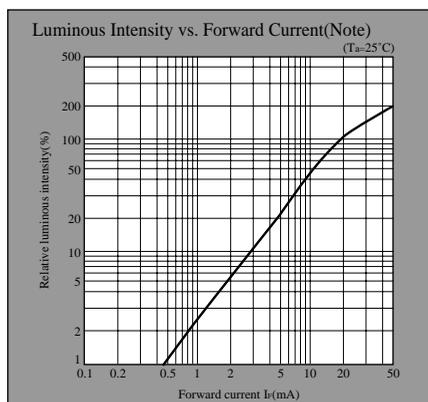
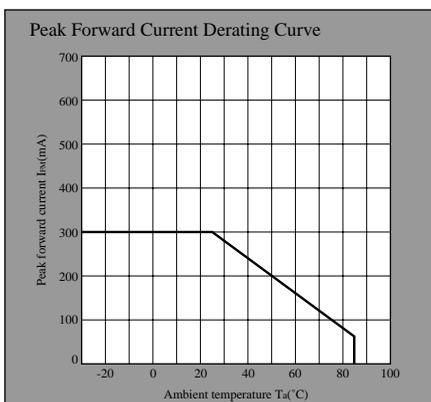
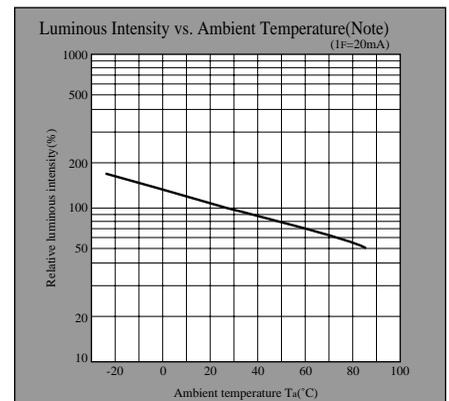
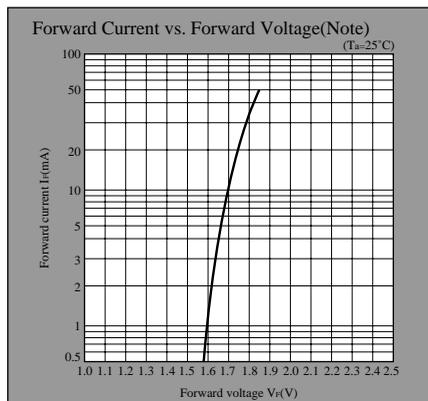
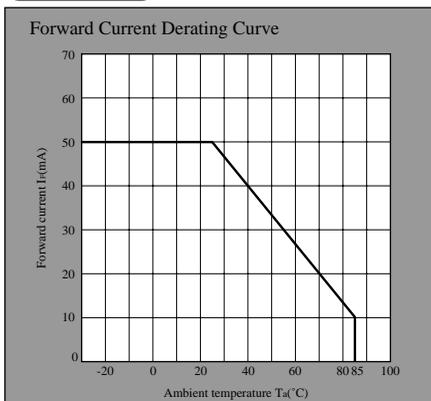
LED Lamp Characteristics Diagrams

UR series



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

TR series



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(Notice) In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.