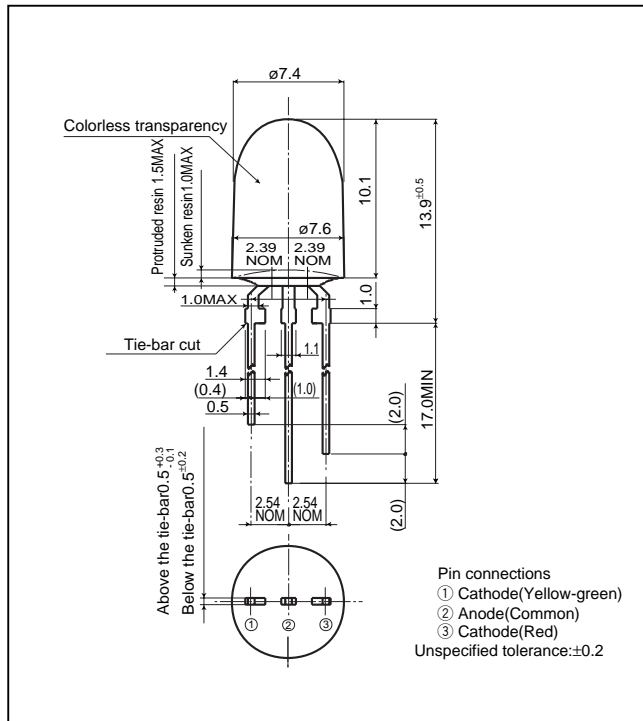


GL7FU11

ø7.5mm, Cylinder Type(Flangeless), Colorless Transparency, High-luminosity, Dichromatic Large LED Lamp for Outdoor Use

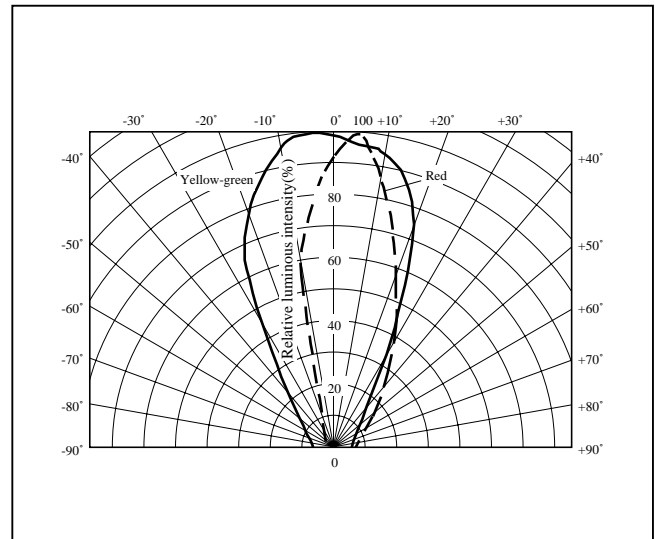
Outline Dimensions

(Unit : mm)



Directive Characteristics

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



Absolute Maximum Ratings

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

Model No.	Emitting color	Material	Power dissipation P^{*1} (mW)	Forward current I_F (mA)	Peak forward current I_{FM}^{*2} (mA)	Derating factor (mA/ $^\circ\text{C}$)		Reverse voltage V_R (V)	Operating temperature T_{opr} ($^\circ\text{C}$)	Storage temperature T_{stg} ($^\circ\text{C}$)	Soldering temperature T_{sol}^{*3} ($^\circ\text{C}$)
						DC	Pulse				
GL7FU11	Yellow-green	GaP	84	30	100	0.40	0.67	5	-30 to +85	-30 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)

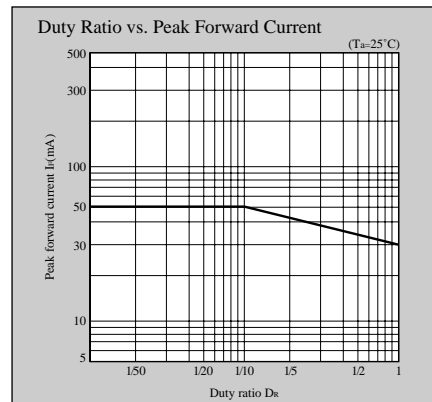
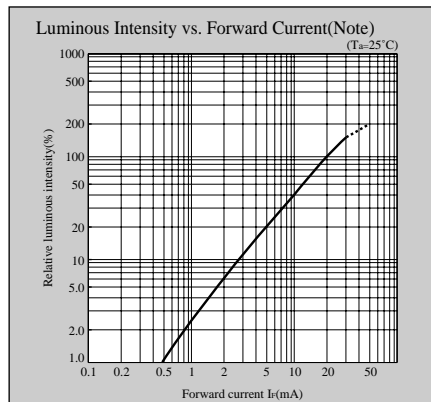
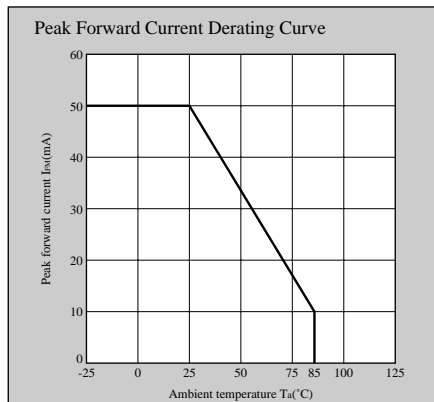
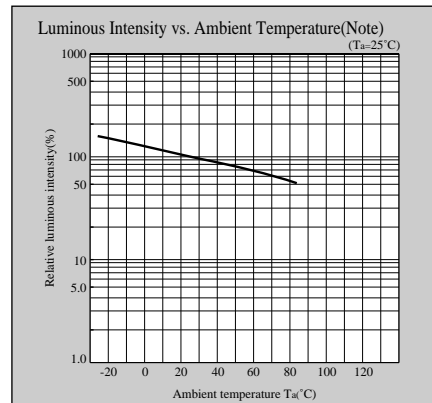
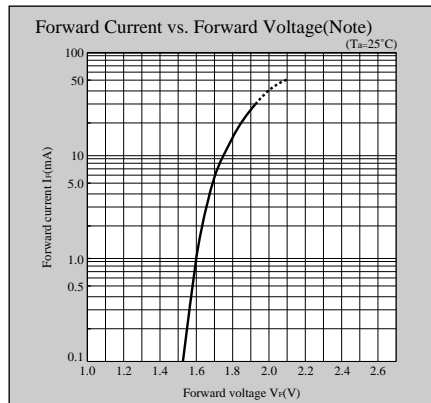
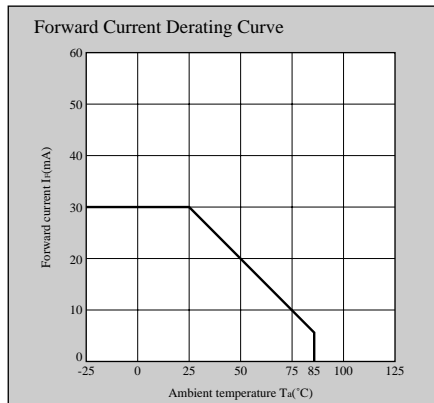
Electro-optical Characteristics

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

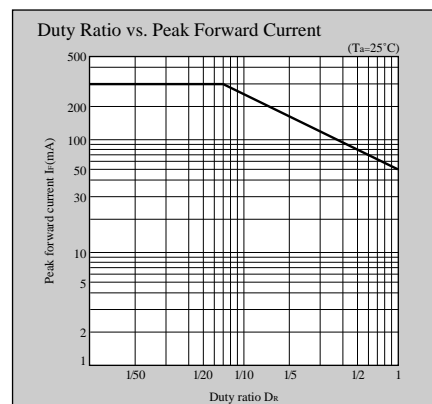
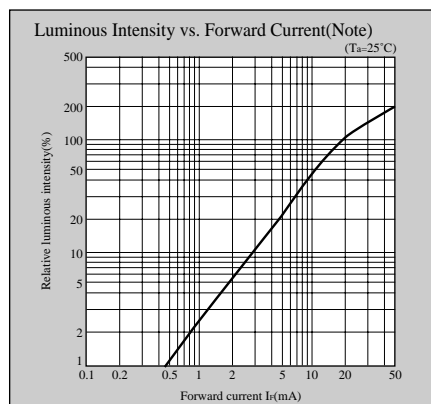
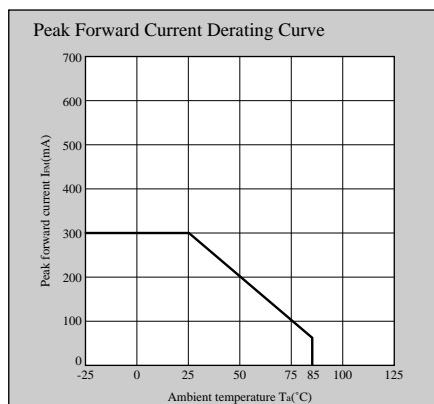
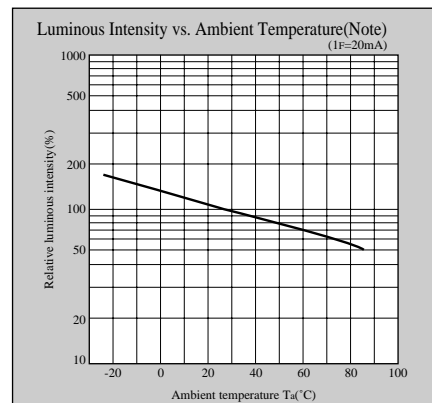
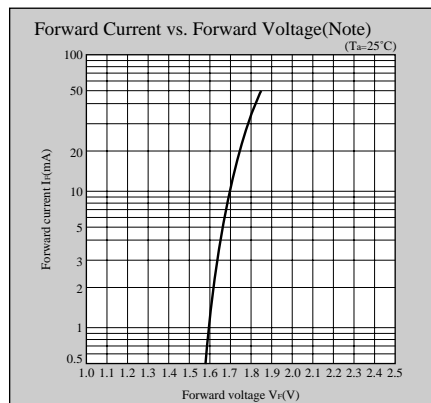
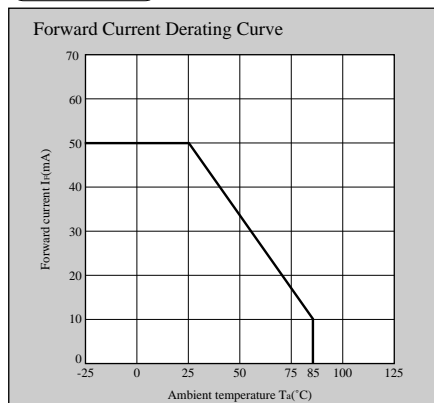
Lens type	Model No.	Radiation color	Forward voltage V_F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
			TYP	MAX	λ_p (nm) TYP	I_F (mA)	I_V (mcd) TYP	I_F (mA)	$\Delta\lambda$ (nm) TYP	I_F (mA)	I_R (μA) MAX	V_R (V)	C_t (pF) TYP	(MHz)	
Colorless transparency	GL7FU11	Yellow-green	2.2	2.8	565	20	160	20	30	20	10	4	12	1	102
		Red	1.85	2.5	660	20	500	20	20	20	100	3	25	1	99

Characteristics Diagrams

UR,U series



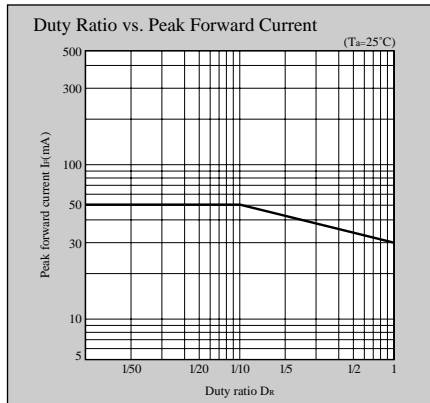
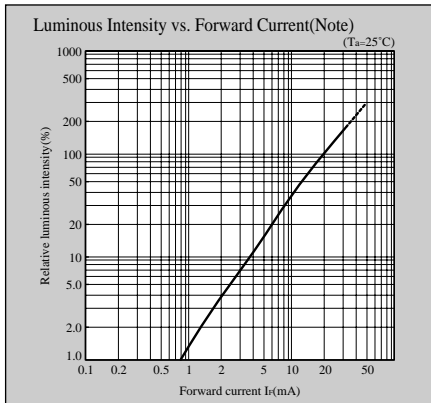
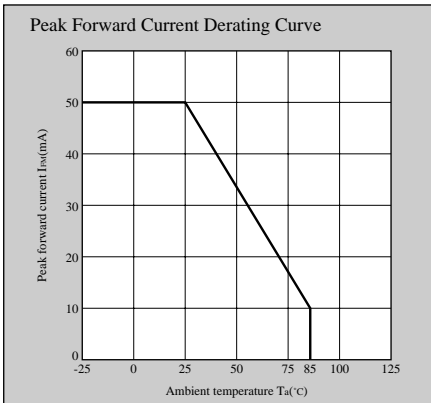
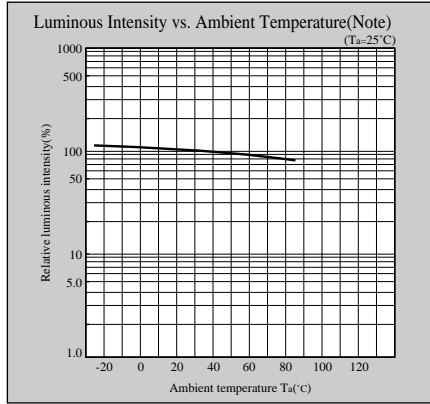
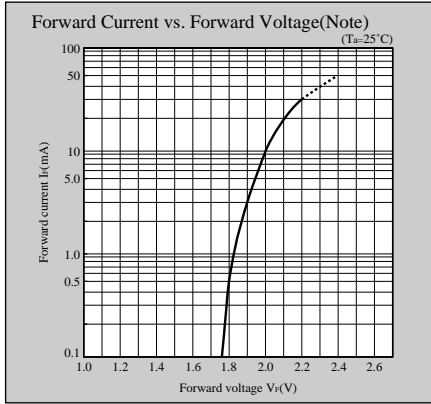
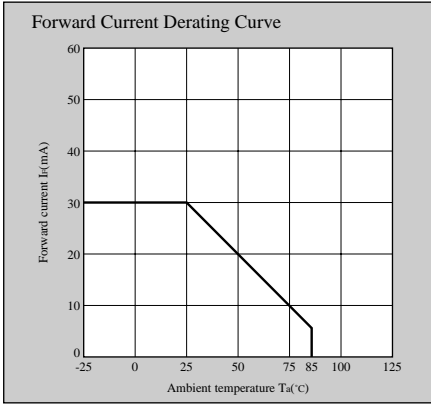
TR,T series



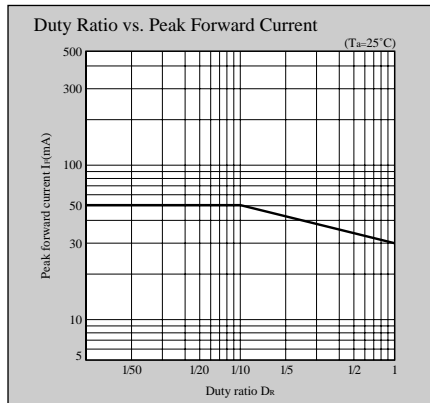
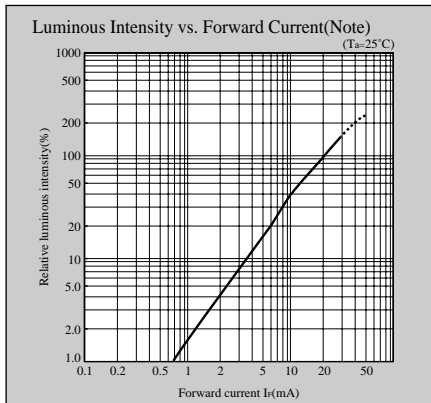
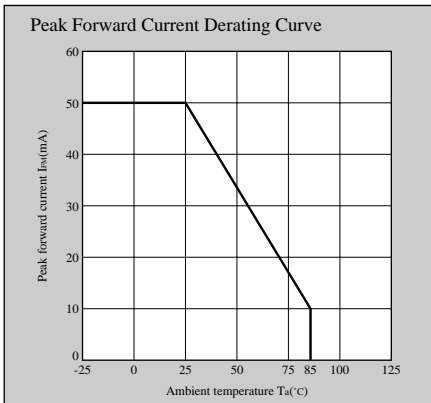
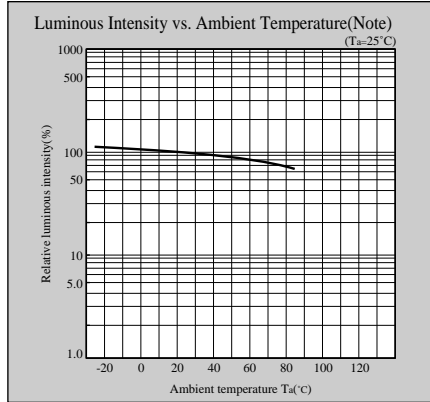
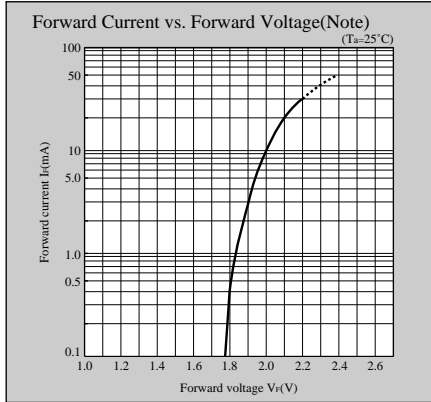
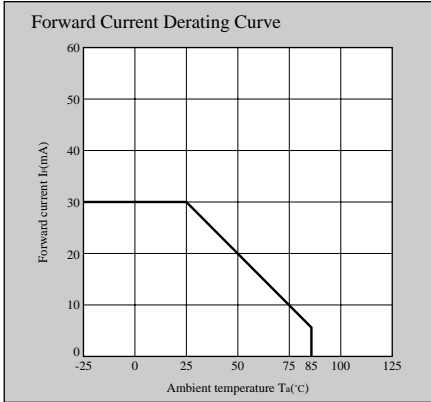
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E,F,C series



KG,K series



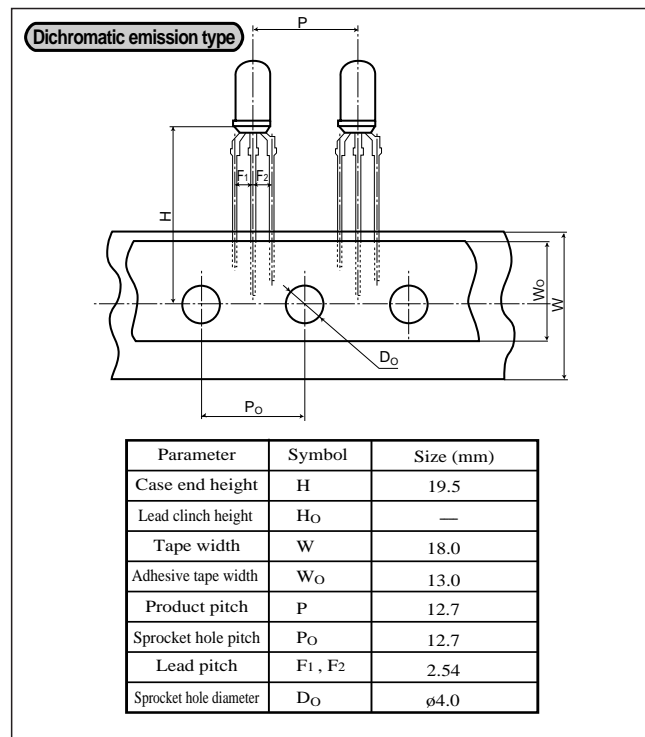
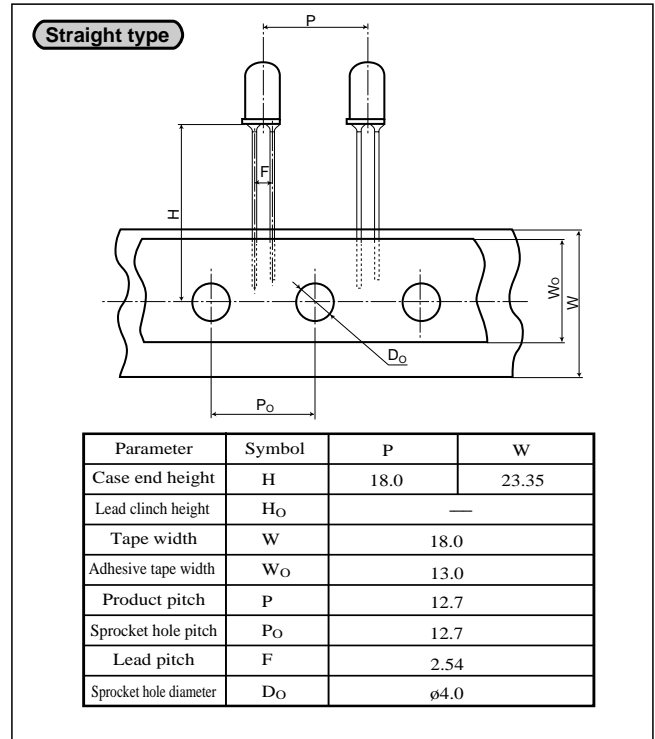
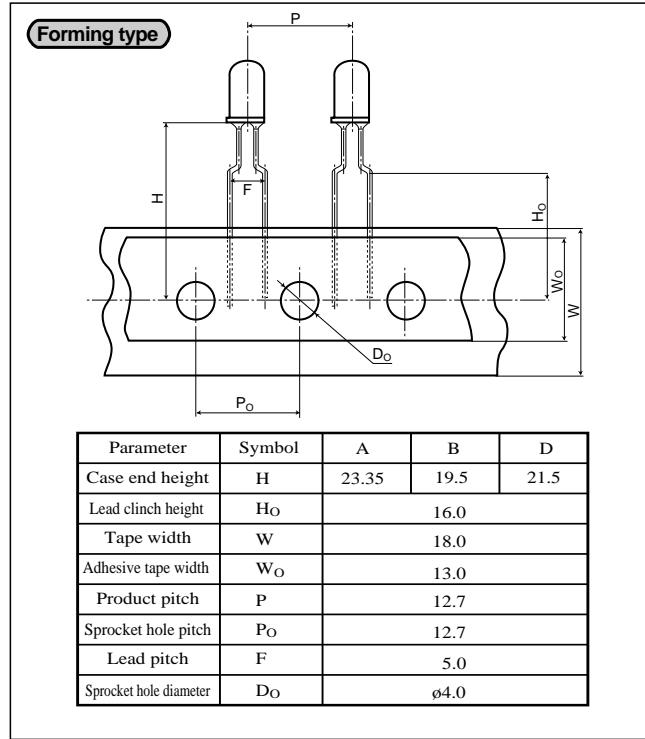
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Taping Specifications

General Description

Sharp can supply tape-packaged LED lamps for automatic mounting. They will contribute to the high-efficiency mounting, high-precision, power saving. Please confirm before use because some products are not available in taping package.

Taping specification(Unit : mm, TYP. value)



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 - Traffic signals
 - Gas leakage sensor breakers
 - Alarm equipment
 - Various safety devices, etc.
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