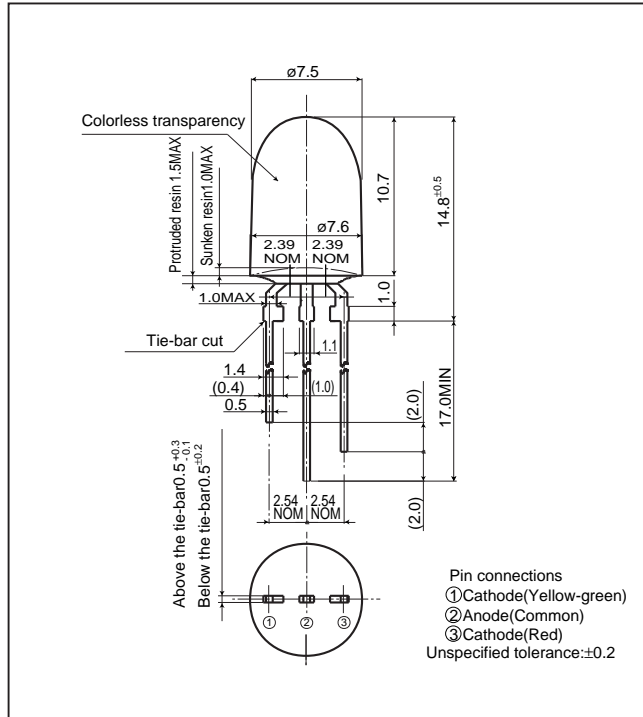


# GL7FU3

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

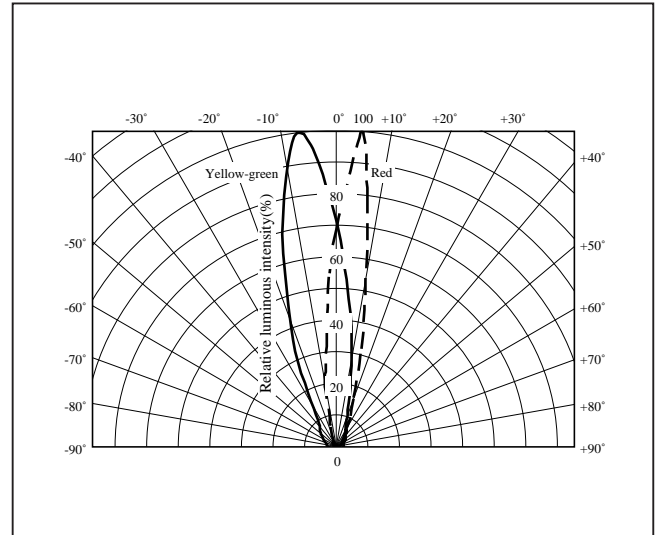
## Outline Dimensions

(Unit : mm)



## Radiation Diagram

(T<sub>a</sub>=25°C)



## Absolute Maximum Ratings

(T<sub>a</sub>=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P <sup>*1</sup> (mW)	Forward current I <sub>F</sub> (mA)	Peak forward current I <sub>FM</sub> <sup>*2</sup> (mA)	Derating factor (mA/°C)		Reverse voltage V <sub>R</sub> (V)	Operating temperature T <sub>opr</sub> (°C)	Storage temperature T <sub>stg</sub> (°C)	Soldering temperature T <sub>sol</sub> <sup>*3</sup> (°C)
						DC	Pulse				
GL7FU3	Yellow-green	GaP	84	30	100	0.40	1.34	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

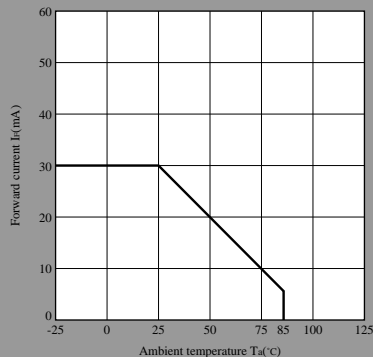
\*3 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

## Electro-optical Characteristics

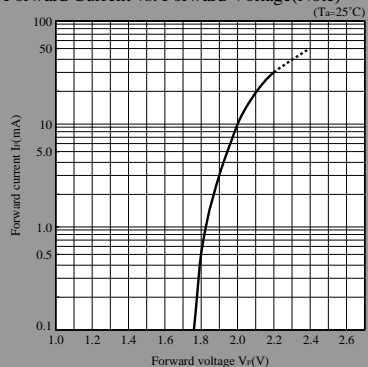
(T<sub>a</sub>=25°C)

Lens type	Model No.	Radiation color	Forward voltage V <sub>F</sub> (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
			TYP	MAX	λ <sub>p</sub> (nm)	I <sub>F</sub> (mA)	I <sub>v</sub> (mcd)	I <sub>F</sub> (mA)	Δλ(nm)	I <sub>F</sub> (mA)	I <sub>R</sub> (μA)	V <sub>R</sub> (V)	C <sub>t</sub> (pF)	(MHz)	
Colorless transparency	GL7FU3	Yellow-green	2.2	2.8	565	20	300	20	30	20	10	4	12	1	→
		Red	1.85	2.5	660	20	1 000	20	20	20	100	3	25	1	→

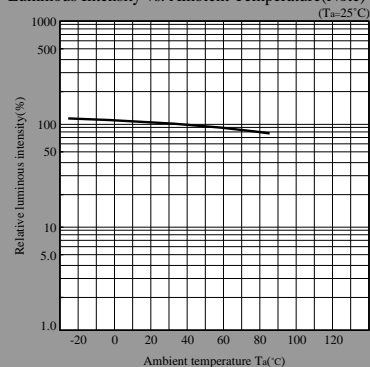
Forward Current Derating Curve



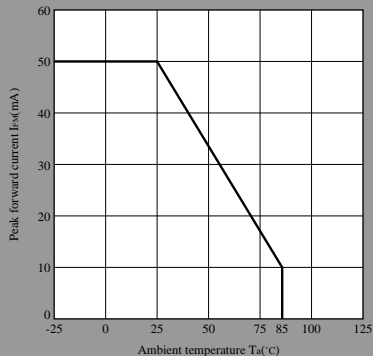
Forward Current vs. Forward Voltage(Note)



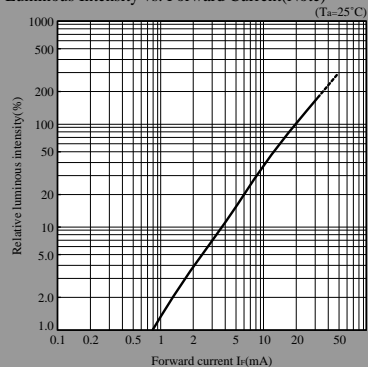
Luminous Intensity vs. Ambient Temperature(Note)



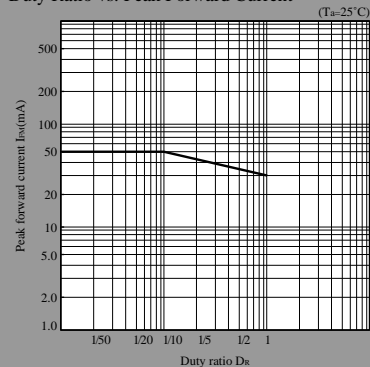
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



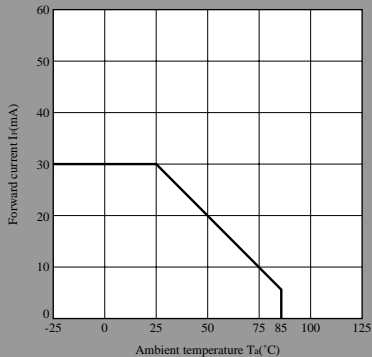
Duty Ratio vs. Peak Forward Current



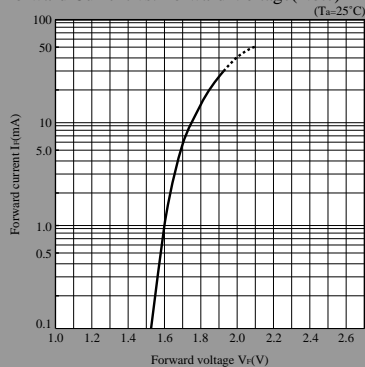
Note) Characteristics shown in diagrams are typical values. (not assurance value)

# UR series

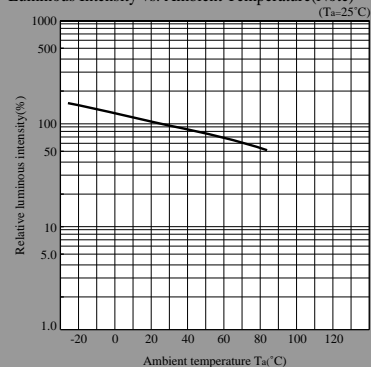
## Forward Current Derating Curve



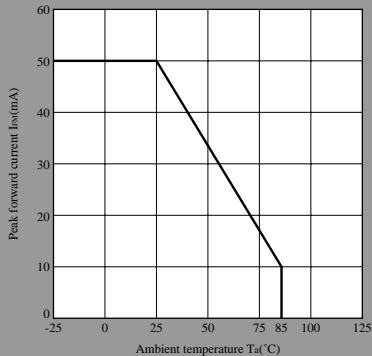
## Forward Current vs. Forward Voltage(Note)



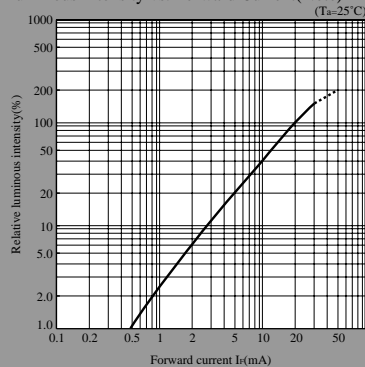
## Luminous Intensity vs. Ambient Temperature(Note)



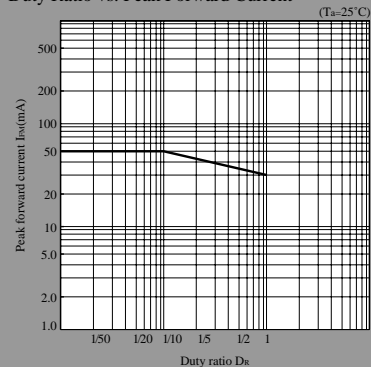
## Peak Forward Current Derating Curve



## Luminous Intensity vs. Forward Current(Note)



## Duty Ratio vs. Peak Forward Current



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