

# Round Type

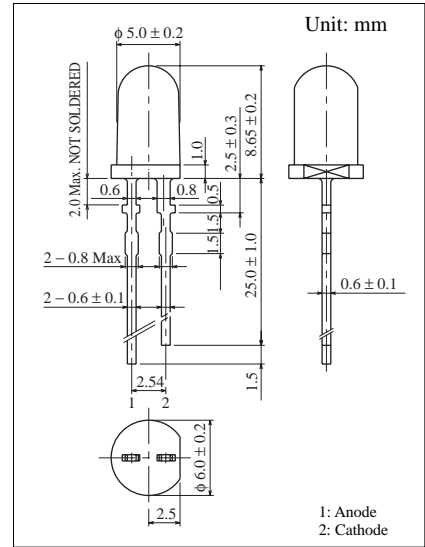
## φ 5.0 mm Series

Conventional Part No.	Global Part No.	Lighting Color
LN81RPH	LNG801RFD	Orange
LN81RCPH	LNG801LFD	Orange
LN81WPH	LNG801WFD	Orange
LN81CPH	LNG801CFD	Orange

### Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

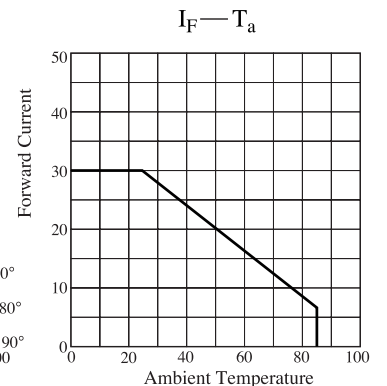
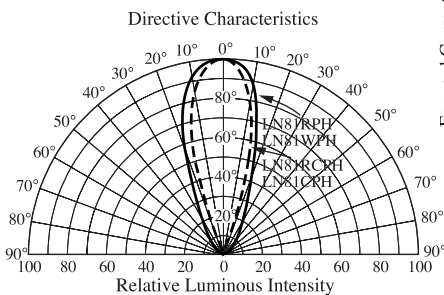
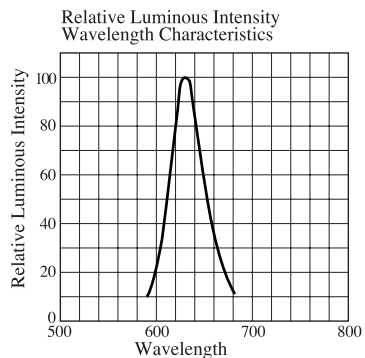
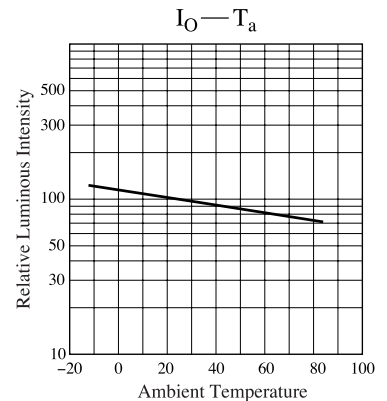
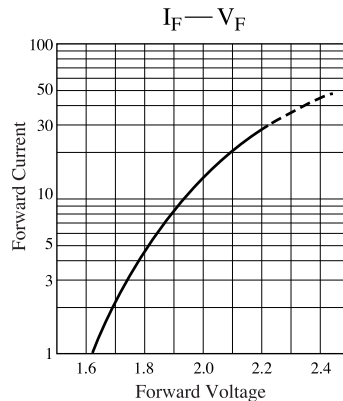
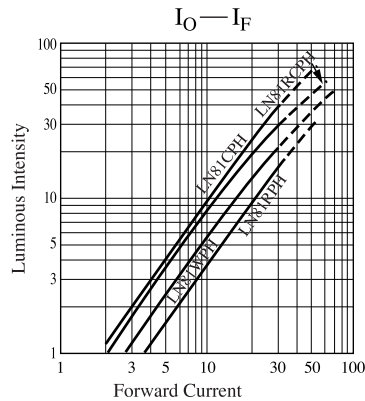
Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	V <sub>R</sub> (V)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Orange	90	30	150	3	-25 ~ +85	-30 ~ +100

Pulse width 1 msec. The condition of I<sub>FP</sub> is duty 10%, Pulse width 1 msec



### Electro-Optical Characteristics (T<sub>a</sub> = 25°C)

Conventional Part No.	Lighting Color	Lens Color	I <sub>O</sub>		I <sub>F</sub>	V <sub>F</sub>		λ <sub>P</sub>	Δλ	I <sub>F</sub>	I <sub>R</sub>	
			Typ	Min		Typ	Max				Max	V <sub>R</sub>
LN81RPH	Orange	Red Diffused	10.0	5.0	20	2.1	2.8	630	40	20	10	3
LN81RCPH	Orange	Red Clear	20.0	8.0	20	2.1	2.8	630	40	20	10	3
LN81WPH	Orange	White Diffused	15.0	6.0	20	2.1	2.8	630	40	20	10	3
LN81CPH	Orange	Clear	25.0	10.0	20	2.1	2.8	630	40	20	10	3
Unit	—	—	mcd	mcd	mA	V	V	nm	nm	mA	μA	V



# Caution for Safety

 **DANGER**

Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

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