

# Round Type

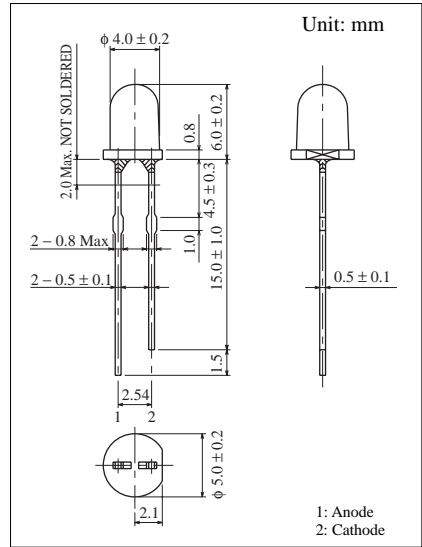
## φ 4.0 mm Series

Conventional Part No.	Global Part No.	Lighting Color
LN49YPP	LNG409YBX	Amber
LN49YCPP	LNG409NBX	Amber
LN89RPP	LNG809RBD	Orange
LN89RCPP	LNG809LBD	Orange

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

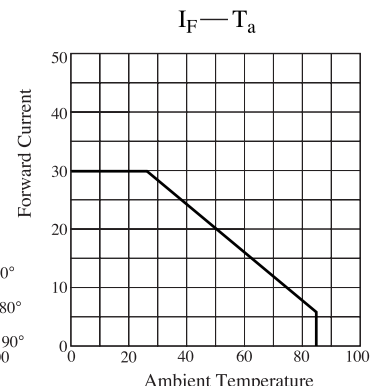
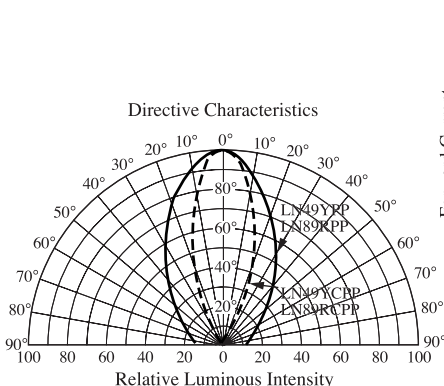
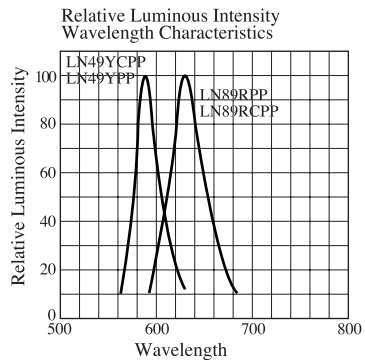
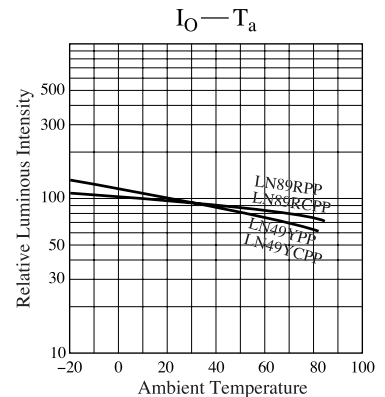
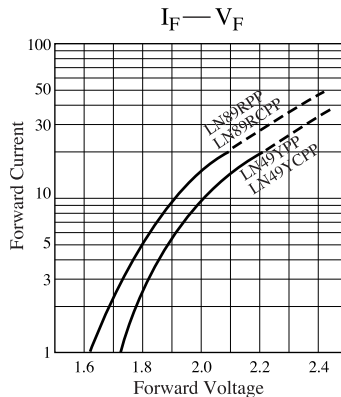
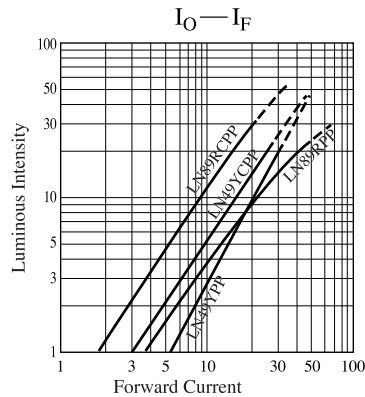
Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	V <sub>R</sub> (V)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Amber	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange	90	30	150	3	-25 ~ +85	-30 ~ +100

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				Typ	Max
LN49YPP	Amber	Amber Diffused	10.0	3.5	20	2.2	2.8	590	30	20	10	4
LN49YCPP	Amber	Amber Clear	15.0	6.0	20	2.2	2.8	590	30	20	10	4
LN89RPP	Orange	Red Diffused	10.0	3.5	20	2.1	2.8	630	40	20	10	3
LN89RCPP	Orange	Red Clear	30.0	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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