### Square Type

### $\square$ 3.0 mm $\times$ 7.0 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN216RPH	···· LNG216RFR ···	····· Red
LN316GPH	···· LNG316GFG ···	····· Green
LN416YPH ·····	···· LNG416YFX ···	····· Amber
LN816RPH	···· LNG816RFD ···	····· Orange

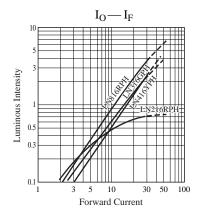
### ■ Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

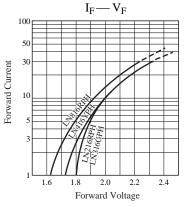
Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	V <sub>R</sub> (V)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	70	25	150	4	<b>−25 ~ +85</b>	-30 ~ +100
Green	90	30	150	4	-25 ~ +85	-30 ~ +100
Amber	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange	90	30	150	3	<b>−25 ~ +85</b>	-30 ~ +100

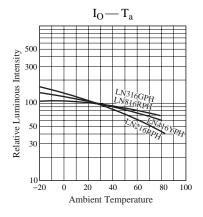
Pulse width 1 msec. The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec

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

Conventional	Lighting	Lens Color	Io			V <sub>F</sub>		$\lambda_{P}$	Δλ		I <sub>R</sub>	
Part No.	Color		Тур	Min	I <sub>F</sub>	Тур	Max	Тур	Тур	I <sub>F</sub>	Max	$V_R$
LN216RPH	Red	Red Diffused	0.5	0.2	15	2.2	2.8	700	20	20	5	4
LN316GPH	Green	Green Diffused	1.5	0.6	20	2.2	2.8	565	30	20	10	4
LN416YPH	Amber	Amber Diffused	1.5	0.6	20	2.2	2.8	590	30	20	10	4
LN816RPH	Orange	Red Diffused	2.5	1.0	20	2.1	2.8	630	40	20	10	3
Unit		_	mcd	mcd	mA	V	V	nm	nm	mA	μA	V







Unit: mm

 $0.6 \pm 0.1$ 

1: Anode 2: Cathode

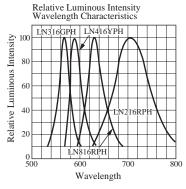
 $7.2 \pm 0.2$ 

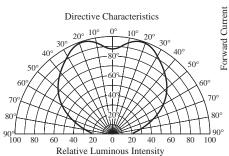
 $7.0 \pm 0.2$ 

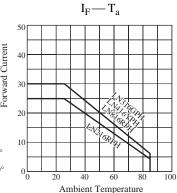
 $10.0 \pm 0.2$ 

 $5.0 \pm 0.2$  $4.8 \pm 0.2$ 

2 Max. NOT SOLDERED







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# Caution for Safety



## 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

Observe the relevant laws and regulations when disposing of the products. Do not mix them with ordinary industrial waste or household refuse when disposing of GaAs-containing products.

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  - Even when the products are used within the guaranteed values, redundant design is recommended, so that such equipment may not violate relevant laws or regulations because of the function of our products.
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