

# Square Type

## 3.0 mm × 7.0 mm Series

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

### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Lighting Color	$P_D$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{opr}$ ( $^\circ\text{C}$ )	$T_{stg}$ ( $^\circ\text{C}$ )
Red	70	25	150	4	-25 ~ +85	-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	-25 ~ +85	-30 ~ +100

\* $I_{FP}$ の条件は  $\text{duty } 10\%$   $\text{Pulse width } 1 \text{ msec}$ . The condition of  $I_{FP}$  is  $\text{duty } 10\%$ ,  $\text{Pulse width } 1 \text{ msec}$

### Electro-Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

Conventional Part No.	Lighting Color	Lens Color	$I_O$		$I_F$	$V_F$		$\lambda_P$	$\Delta\lambda$	$I_F$	$I_R$	
			Typ	Min		Typ	Max				Typ	Max
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	$\mu\text{A}$	V

