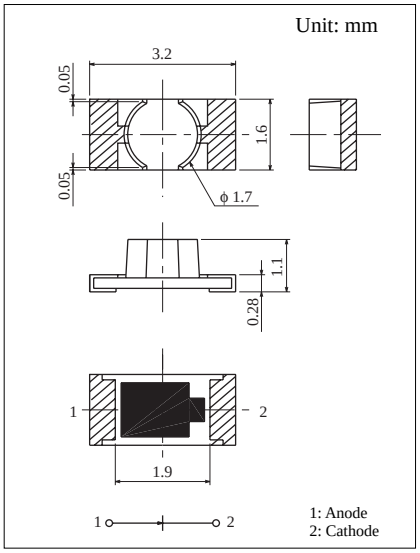
# Through-The-Board Type




| Conventional Part No. | Global Prat No. | Lighting Color |
|---|---|---|
| LNJ211R8ARU | LNJ211R8ARU | Red |
| LNJ311G8TRU | LNJ311G8TRU | Green |
| LNJ411K8YRU | LNJ411K8YRU | Amber |

## ■ Absolute Maximum Ratings ($T_a$ = 25°C)

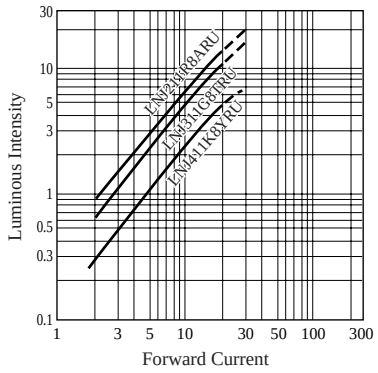
| Lighting Color | $P_D$(mW) | $I_F$(mA) | $I_{FP}$(mA)* | $V_R$(V) | $T_{opr}$(°C) | $T_{stg}$(°C) |
|---|---|---|---|---|---|---|
| Red | 60 | 20 | 100 | 3 | −30 ~ +85 | −40 ~ +100 |
| Green | 60 | 20 | 100 | 4 | −30 ~ +85 | −40 ~ +100 |
| Amber | 60 | 20 | 100 | 4 | −30 ~ +85 | −40 ~ +100 |

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

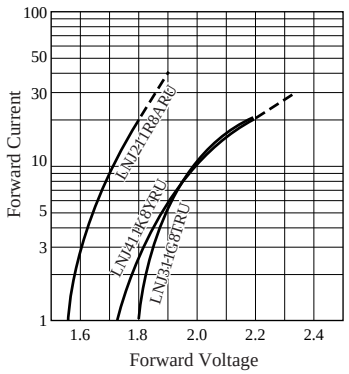
## ■ Electro–Optical Characteristics ($T_a$ = 25°C)

| 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 | Typ | | Max | $V_R$ |
| LNJ211R8ARU | Red | Red Diffused | 7.0 | 2.3 | 10 | 1.72 | 2.5 | 660 | 20 | 10 | 100 | 3 |
| LNJ311G8TRU | Green | Green Diffused | 5.5 | 1.8 | 10 | 2.03 | 2.6 | 565 | 30 | 10 | 10 | 4 |
| LNJ411K8YRU | Amber | Yellow Diffused | 2.2 | 0.75 | 10 | 2.0 | 2.6 | 590 | 30 | 10 | 10 | 4 |
| Unit | — | — | mcd | mcd | mA | V | V | nm | nm | mA | μA | V |

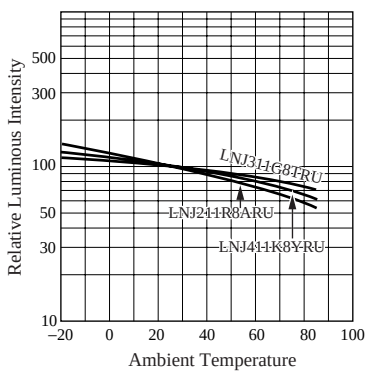
$I_O$ — $I_F$



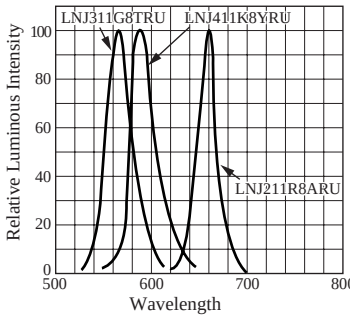

$I_F$ — $V_F$



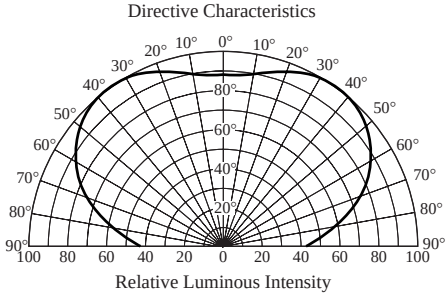

$I_O$ — $T_a$




Relative Luminous Intensity Wavelength Characteristics




Directive Characteristics




$I_F$ — $T_a$

