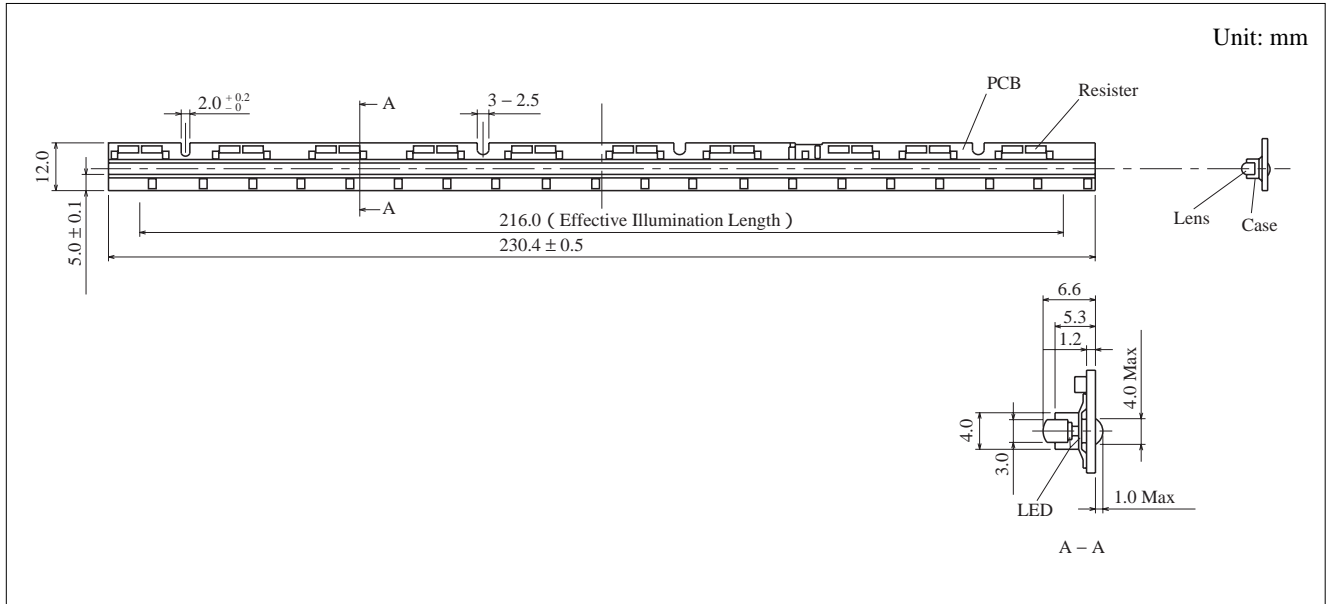


# LED LINE LIGHT SOURCE

A4 Size LN803169UNA-A4 Global Parts No. LNR304402



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

Item	Symbol	Rating	Unit
Supply Voltage	$V_{CC}$	12.8	V
Reverse Voltage	$V_R$	16.0	V
Power Consumption	P	6.0 ( $V_{CC}$ Max, IF Max)	W
Operating Ambient Temperature	$T_{opr}$	- 10 ~ + 50	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	- 30 ~ + 75	$^\circ\text{C}$

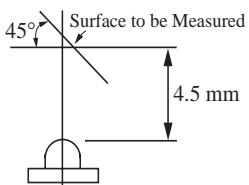
## Recommendable Operating Conditions

Item	Symbol	Rating	Unit
Supply Voltage	$V_{CC}$	12.0	V
Operating Ambient Temperature	$T_{opr}$	0 ~ + 45	$^\circ\text{C}$

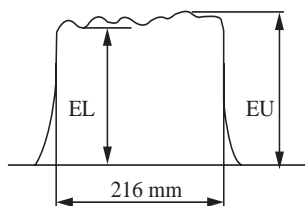
## Electro-Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

Item	Symbol	Condition	min	typ	Max	Unit
Total Forward Current	$I_{Ft}$	$V_{CC} = 24.0\text{ V}$		400	475	mA
Effective Illumination Length	L	$V_{CC} = 24.0\text{ V}$	22.8			mm
Illuminance on Manuscript	E	With in 1(min)after operation	1400 ( $\theta = 0^\circ$ ) 1000 ( $\theta = 0^\circ$ )			Lx
Illuminance Deviation	$\Delta\text{EH}$				$\pm 13$	%
Range of Collecting and Spreading Light	$\Delta\text{L}$		1.2			mm
Peak Emission Wavelength	$\lambda\text{P}$	1chip IF = 20 mA		565		nm
Spectral Band Width	$\Delta\lambda$	1chip IF = 20 mA		30		nm

Illuminance on Manuscript

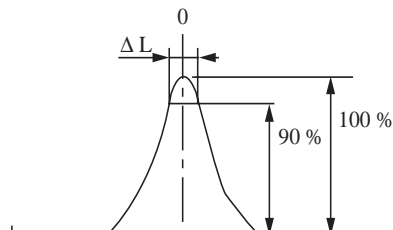


Illuminance Deviation



$$\Delta\text{EH} = \left\{ \frac{\text{EU} - \text{EL}}{\text{EU} + \text{EL}} \right\} \times 100 [\%]$$

Range of Collecting and Spreading Light



Peak Emission Wavelength

