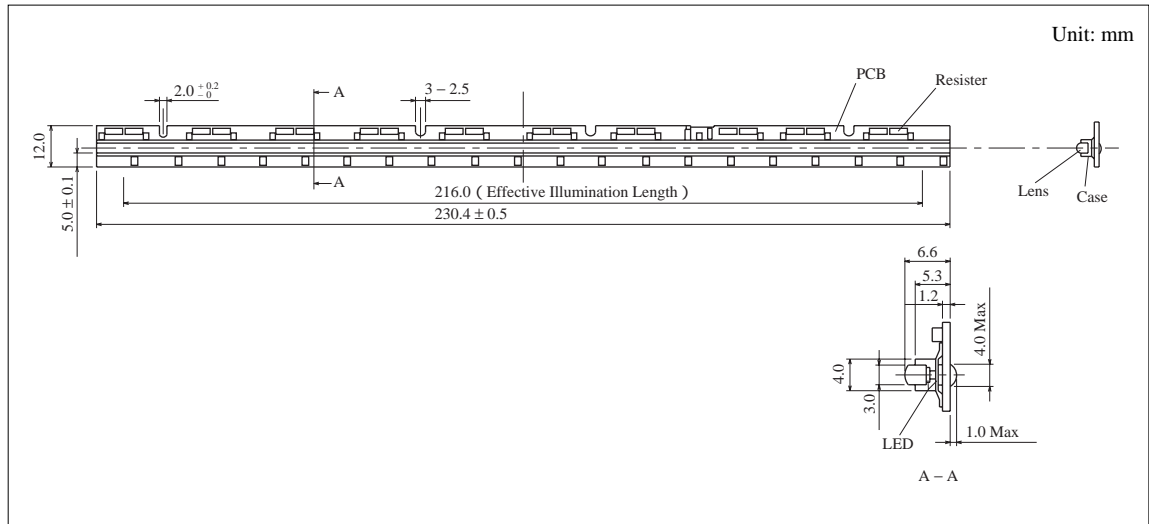


# LED LINE LIGHT SOURCE

## A4 Size LN803169UNA-A4

Global Parts No. LNR304402



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

Item	Symbol	Rating	Unit
Supply Voltage	V <sub>CC</sub>	12.8	V
Reverse Voltage	V <sub>R</sub>	16.0	V
Power Consumption	P	6.0 (V <sub>CC</sub> Max, IF Max)	W
Operating Ambient Temperature	T <sub>opr</sub>	- 10 ~ + 50	°C
Storage Temperature	T <sub>stg</sub>	- 30 ~ + 75	°C

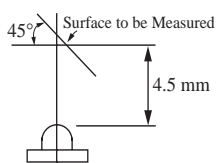
### Recommendable Operating Conditions

Item	Symbol	Rating	Unit
Supply Voltage	V <sub>CC</sub>	12.0	V
Operating Ambient Temperature	T <sub>opr</sub>	0 ~ + 45	°C

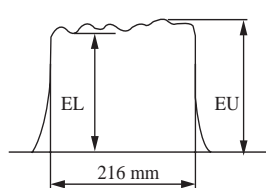
### Electro-Optical Characteristics (T<sub>a</sub> = 25°C)

Item	Symbol	Condition	min	typ	Max	Unit
Total Forward Current	I <sub>FT</sub>	V <sub>CC</sub> = 24.0 V		400	475	mA
Effective Illumination Length	L	V <sub>CC</sub> = 24.0 V	22.8			mm
Illuminance on Manuscript	E	With in 1(min) after operation	1400 (θ = 0°)			Lx
Illuminance Deviation	ΔEH				± 13	%
Range of Collecting and Spreading Light	ΔL		1.2			mm
Peak Emission Wavelength	λ <sub>P</sub>	1chip IF = 20 mA		565		nm
Spectral Band Width	Δλ	1chip IF = 20 mA		30		nm

Illuminance on Manuscript



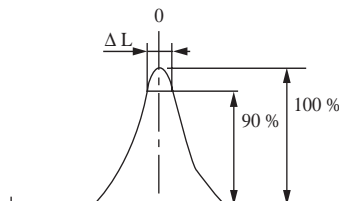
Illuminance Deviation



Effective Illumination Length

$$\Delta EH = \{(EU - EL) / (EU + EL)\} \times 100 [\%]$$

Range of Collecting and Spreading Light



Peak Emission Wavelength

