LT4617E

Non-contact Type LED Array for Light Source
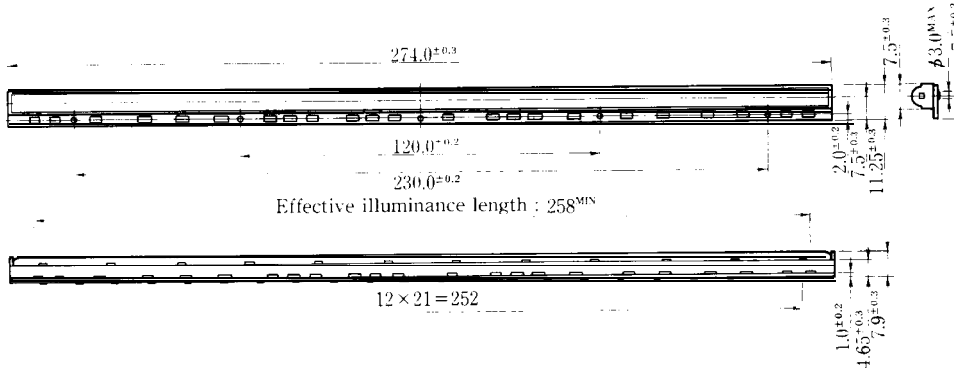
■ Model No.
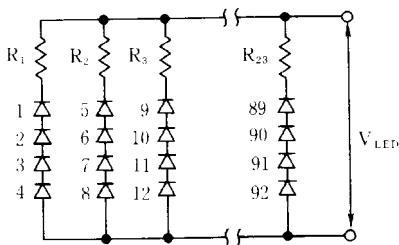**LT4617E**   Yellow-green   GaP

■ Features
1. Effective illuminance length : 258mm
2. No. of LED chips : 92 **Pcs.**
3. Non-contact type with shrink lens
4. Diameter of cylindrical lens : $\phi6.0$mm
5. Outline dimensions : 274.0mm (L) $\times$ 11.2mm (W)

■ Outline Dimensions
(Unit: mm)

Effective illuminance length : 258^{MIN}

$12 \times 21 = 252$

Internal connection diagram

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■ Absolute Maximum Ratings
(Ta = 25℃)

Parameter	Symbol	LT4617E		Unit
Power dissipation	P	8.2		w
Forward voltage	V_{LED}	13.0		V
Reverse voltage	V_R	16.0		v
Operating temperature	T_{opr}	O to +60		℃
Storage temperature	T_{stg}	−40 to +75		"c

(Note) The period of continuous full dots illumination shall not exceed 30 seconds. For the purpose of heat dispersion, apply insulating grease to the rear of the substrate and attach it to a heat sink in the way that its whole surface contacts the heat sink.

■ Electro-optical Characteristics
(Ta = 25℃)

Parameter	Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward current	I_{LED}	LT4617E	$V_{LED} = 12V$		552	−	mA
※1 Effective illuminance length	L	LT4617E	VLF.O=12V	258	−	−	mm
※1 Illuminance power deviation	ΔEH	LT4617E	VLED=12V	−	−	15	%
※1 Effective illuminance width	ΔL	LT4617E	$V_{LED} = 12V$	−	3.0	−	mm
Peak emission wave length	λ_p	LT4617E	$V_{LED} = 12$ v	−	565	−	nm
Spectrum radiation bandwidth	$\Delta\lambda$	LT4617E	V1.i:u=12V		30	−	nm
※1,2 Illuminance	EL	LT4617E	VLEn=12V	980	−	−	Lux
Response frequency	f_c	LT4617E	−	−	4	−	MHz

※1 Measuring method is specified in the next page.
※2 Value obtained within 30 seconds after lightening.

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■ **Measuring Method** (Ta = 25°C, Within 30 seconds after lightening.)
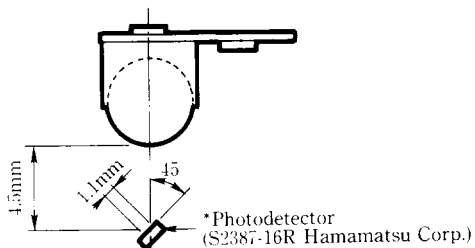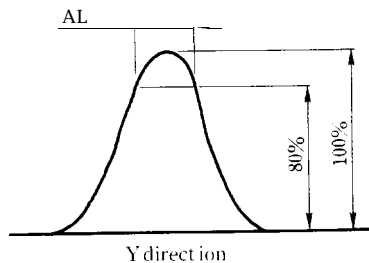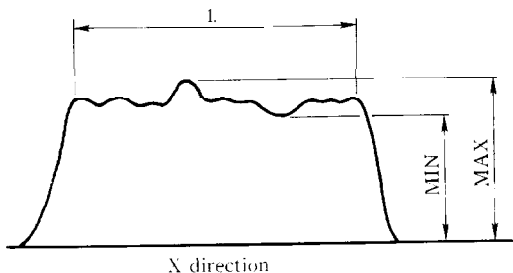

* Slit size of photodetector   1.1 × 4.9mm²

■Illuminance Distribution Characteristics

• Effective illuminance length: L

• Effective illuminance width AL

X direction

Y direction

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•Illuminance power deviation: AEH

$$\Delta EH \frac{MAX - MIN}{MAX - MIN} \cdot 100$$

LED array