

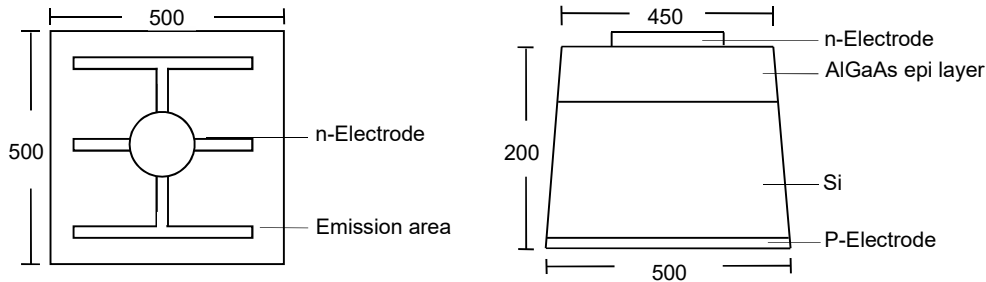
### ■ Features :

- High radiant flux
- High driving current

### ■ Typical Applications :

- Horticulture lighting
- Special lighting

### ■ Outline Dimensions : (Unit: $\mu\text{m}$ )



### ■ Physical Structure :

LED Chip dimension	Chip size	500 $\mu\text{m}$ x 500 $\mu\text{m}$
	Thickness	200 $\pm$ 25 $\mu\text{m}$
	Emission area	450 $\mu\text{m}$
	Bonding pad	125 $\mu\text{m}$
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold

\*C

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_{FH}$	$I_F = 150 \text{ mA}$	1.80	-	2.10	V
Reverse current	$I_R$	$V_R = 5V$	-	-	1	$\mu\text{A}$
Radiant Power	$P_o$	$I_F = 150 \text{ mA}$	35		50	mW
Wavelength	$\lambda_P$	$I_F = 150 \text{ mA}$	730		740	nm