

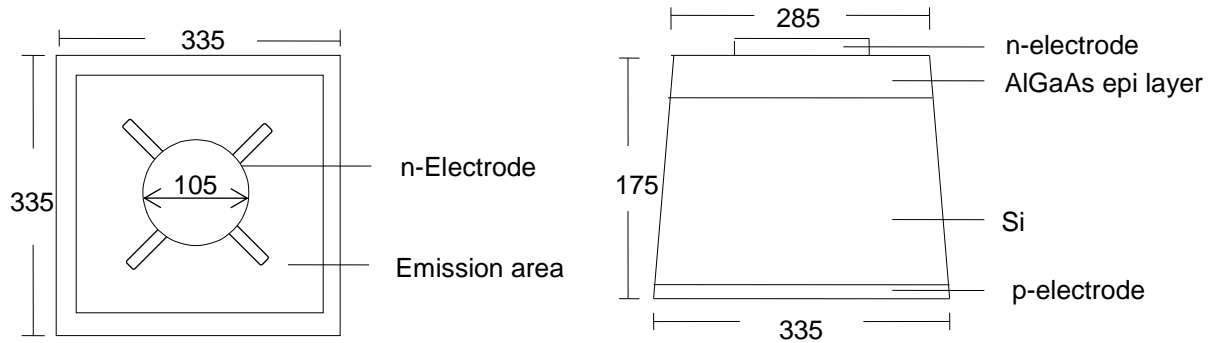
### Features :

- 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	335 $\mu\text{m}$ x 335 $\mu\text{m}$
	Thickness	175 $\pm$ 25 $\mu\text{m}$
	Emission area	285 $\pm$ 20 $\mu\text{m}$
	Bonding pad	105 $\mu\text{m}$
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold
Surface condition	Frosted	

\*C

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_{FH}$	$I_F = 100 \text{ mA}$	1.80	-	2.10	V
Reverse current	$I_R$	$V_R = 10\text{V}$	-	-	1	$\mu\text{A}$
Radiant Power	$P_o$	$I_F = 100 \text{ mA}$	16.0	-	28	mW
Wavelength	$\lambda_P$	$I_F = 100 \text{ mA}$	720		745	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 100 \text{ mA}$	-	20	-	nm