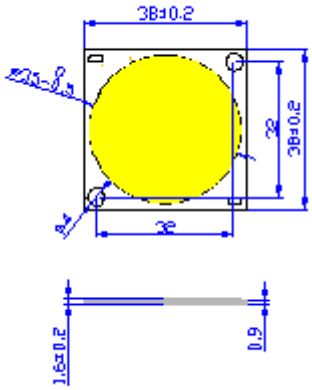
Features：

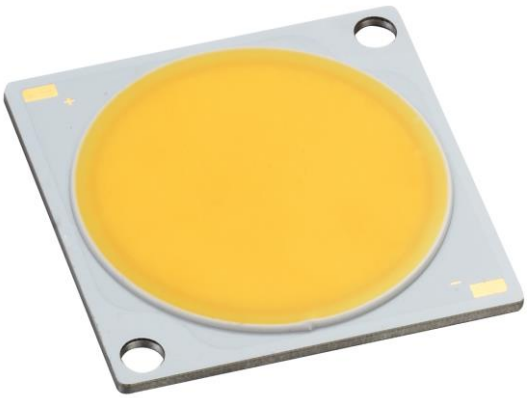
- ✧ High radiometric power per LED
- ✧ Very long operating life
- ✧ More Energy Efficient than Incandescent and most Halogen lamps
- ✧ Easy installation with Screws



Typical Applications：

- ✧ Spot light
- ✧ Bulb
- ✧ Down Light
- ✧ cornering lamp
- ✧ Panel Light
- ✧ Street Light

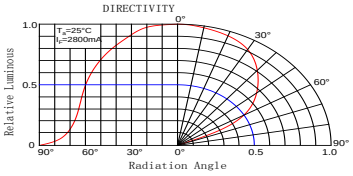
Product Picture:



NOTES:

- ✧ All dimensions are millimeter.
- ✧ Tolerance is ±0.3mm unless o
- ✧ It is strongly recommended higher than 100℃.

Typical Radiation Pattern



Absolute maximum ratings T_a = 25

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	I_F	----	----	4200	mA
Peak Pulse Current	I_{peak}	Duty=1/10 1kHz	----	4400	mA
Power Dissipation	P_d	----	----	249	W
LED Junction Temperature	T_J	----	----	125	℃
Operating Temperature	T_{opr}	----	-40	+85	℃
Storage Temperature	T_{str}	----	-40	+100	℃
ESD Sensitivity	----	HBM	8000	----	V
Soldering Temperature	----	----	300℃for 5 Seconds max		

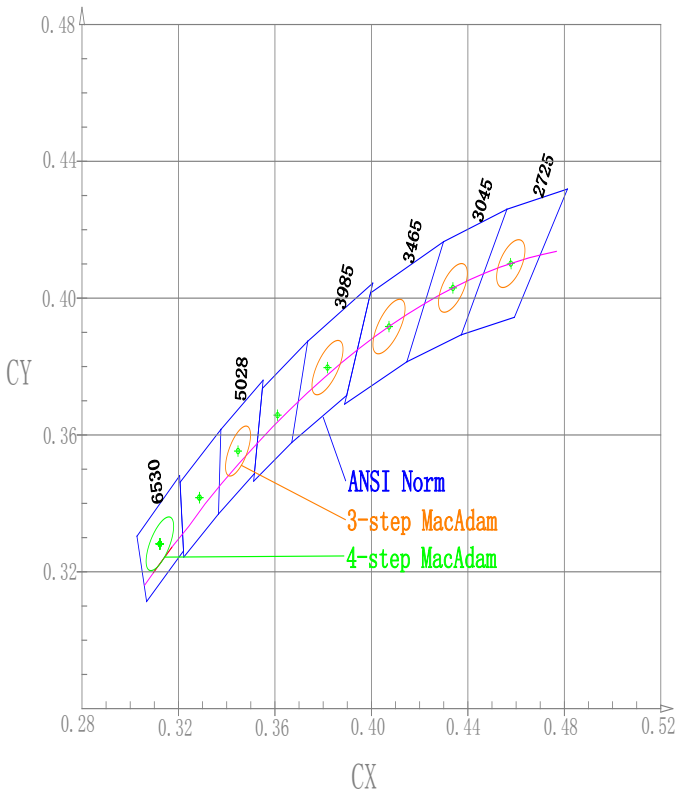
Electrical and optical characteristics T_a = 25

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	I_F = 2800mA	----	54	----	V
Luminous Flux	Φ_v		----	18100	----	lm
Viewing Angle	2θ1/2		----	120	----	Deg.
Color Temperature	CCT		4850	5028	5200	K
Color Rendening	R_a		80	----	----	--
Thermal Resistance	R_J	-----	----	0.1	----	℃/W

Luminous Flux BinsT_a = 25 Unit: lm

Bin	W3	X3	Y3
Min	17500	18000	18500
Max	18000	18500	19000

Chromaticity Coordinates Ranks(I_F=2800mA T_a=25℃)

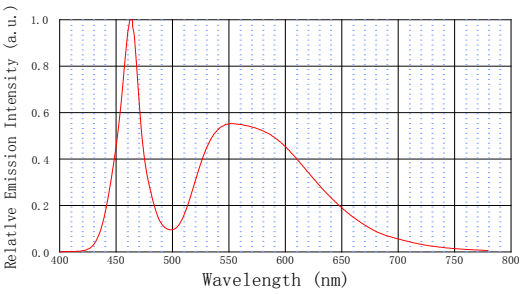


Colour tenperature	Center of Coordinates		Long axis	Minor axis	Gradient	Explain
6500K	0.3123	0.3282	0.00892	0.0038	58.23	4-step MacAdam
5000K	0.3447	0.3553	0.00822	0.00354	59.62	3-step MacAdam
4000K	0.3818	0.3797	0.00939	0.00402	53.72	
3500K	0.4073	0.3917	0.00951	0.00417	52.58	
3000K	0.4338	0.403	0.00714	0.00408	53.22	
2700K	0.4578	0.4101	0.00774	0.00411	53.7	

Notes:

- Ranking at T_C=25℃
- It is strongly recommended that the temperature of lead be not higher than 100℃
- Tolerance of measurements of the Forward Voltage is ±2%V
- Tolerance of measurements of the Luminous Flux is ±10%
- Tolerance of measurements of the Color Rendering R_a is ±3
- Chromaticity Coordinates (x,y) is measured with an accuracy of ±0.01
- The center of Coordinates (x,y) is based on C78.377:2008 ANSI reference
- Ellipse refer to IEC 60081:1997

Characteristic spectrum : T_J=25°C



Typical electrical/optical characteristic curves

Fig. 1 Forward Current(mA) Vs. Forward Voltage(V)

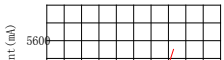
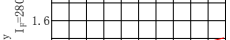
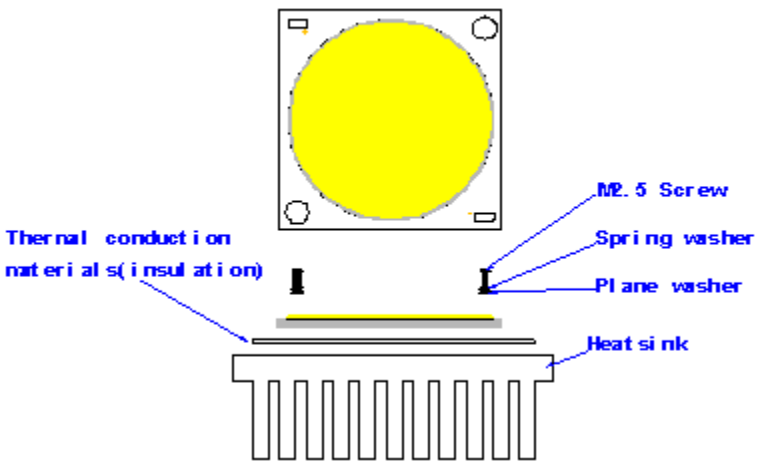


Fig. 2 Relative Intensity Vs Forward Current (mA)



Recommended installation screw pitch



If you can not slove the heat problem,the product will destroy easily. Suggest that the surface of the heat sink is 35cm^2/W