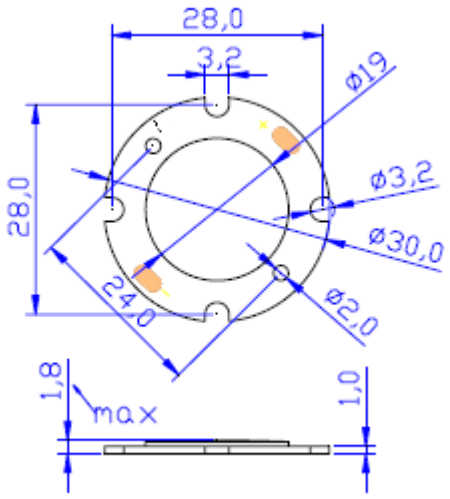
COB-MOON-RB40

Features:

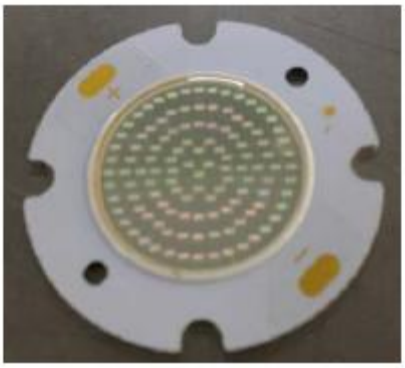
- ✧ High radiometric power per LED
- ✧ Very long operating life
- ✧ More Energy Efficient than Incandescent and most Halogen lamps
- ✧ Easy installation with Screws

Typical Applications:

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



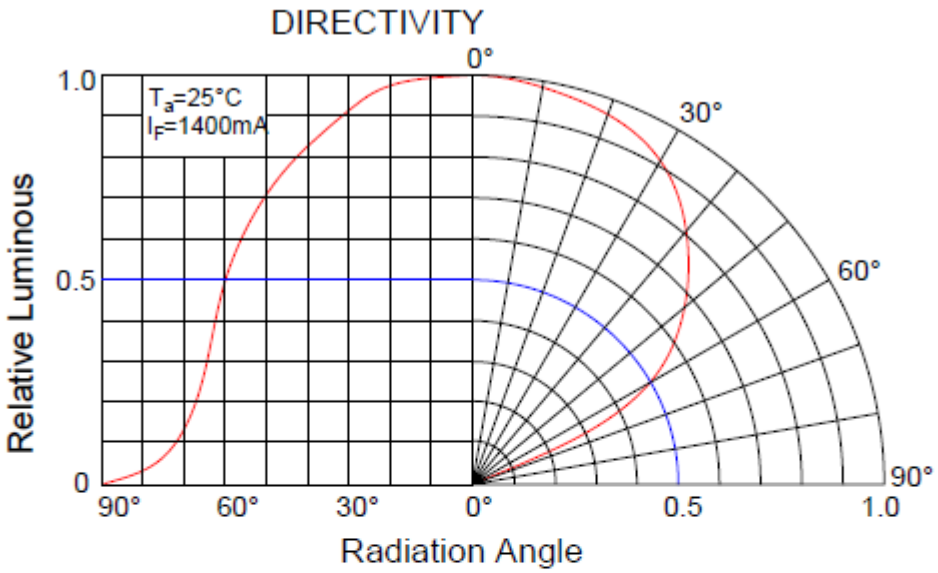
Product Picture:



NOTES:

- ✧ All dimensions are millimeter.
- ✧ Tolerance is ±0.1mm unless otherwise noted.
- ✧ It is strongly recommended that the temperature of lead be not higher than 85℃.
- ✧ The appearance and specifications of the product may be modified for improvement without notice

Typical Radiation Pattern



Absolute maximum ratings（T_a = 25℃）

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	I_F	----	----	2100	mA
Peak Pulse Current	I_{peak}	Duty=1/10 1kHz	----	2520	mA
Power Dissipation	P_d	----	----	66.15	W
LED Junction Temperature	T_J	----	----	125	℃
Operating Temperature	T_{opr}	----	-25	+85	℃
Storage Temperature	T_{str}	----	-40	+100	℃
ESD Sensitivity	----	HBM	8000	----	V
Soldering Temperature	----	----	220℃ 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 = 1400mA		30		V
Viewing Angle	2θ1/2		----	120	----	Deg.
Thermal Resistance	R_J			0.6		℃/W
wavelength	λ			455		nm

Typical electrical/optical characteristic curves：

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

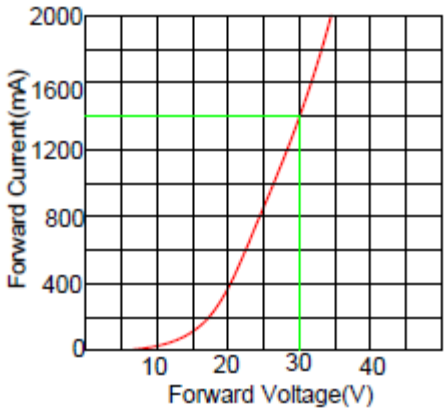
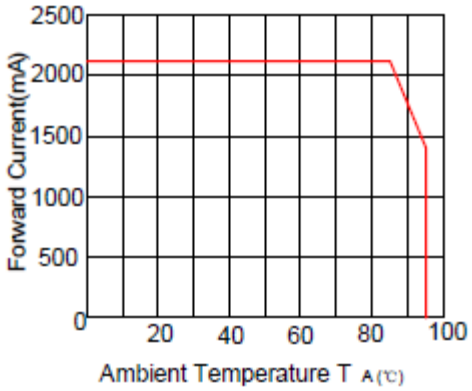
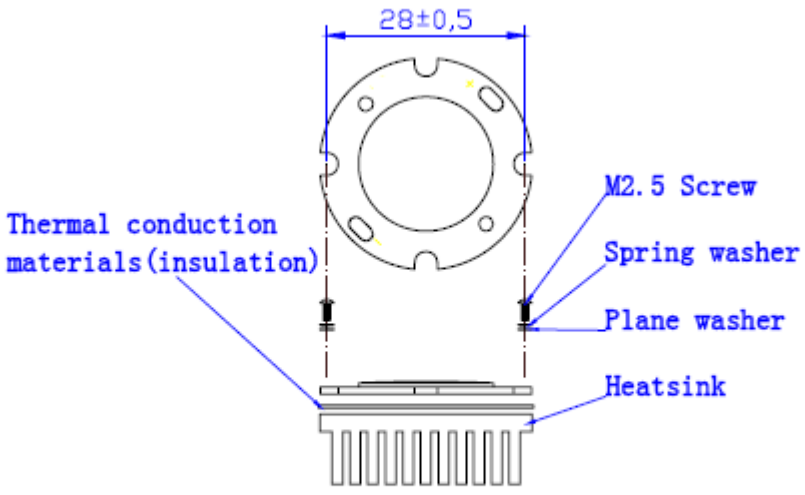


Fig.3 Forward Current Vs Ambien t Temperature



Recommended installation screw pitch



If you can not slove the heat problem,the product will distroy easily.Suggest that the surface of the heat sink is 35cm²/W