



YETDA INDUSTRY LTD.

3W High Power LED(Emitter)Lambertian WW080E-S 4500K

3W High Power with Nature White Color

Encapsulated with Water Clear Lens Package

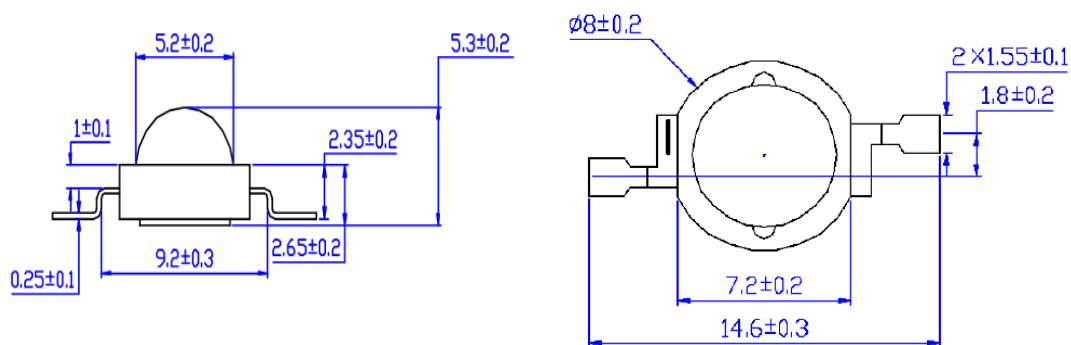
Absolute Maximum Ratings :

Parameter	Maximum Rating	Unit
Peak Forward Current	1000	mA
Operating Temperature Range	-30°C to +60°C	
Storage Temperature Range	-40°C to +90°C	
Lead Soldering Temperature	250°C for 5 seconds 1.6mm(0.063 inch) from body	

Electro-Optical Characteristics (Ta = 25°C)

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	IF = 700mA	Vf	3.2		3.8	V
Reverse Current	VR = 5V	Ir	0		1	uA
Luminous Intensity	IF = 700mA	Iv	180		240	lm
Color Temperature	IF = 700mA	λ d		4500		nm
Viewing Angle	IF = 700mA	2 θ1/2		140		deg

Package



Unit: mm

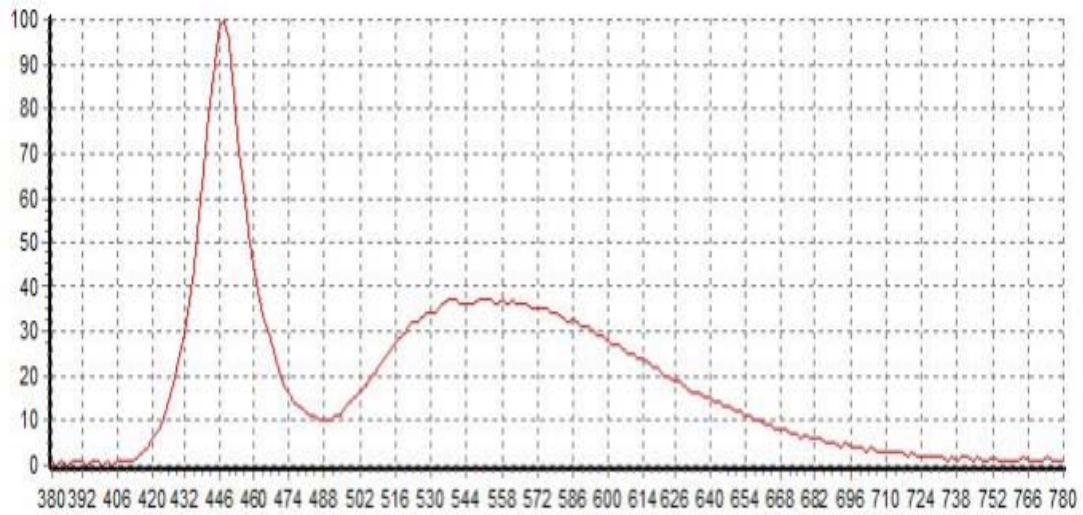
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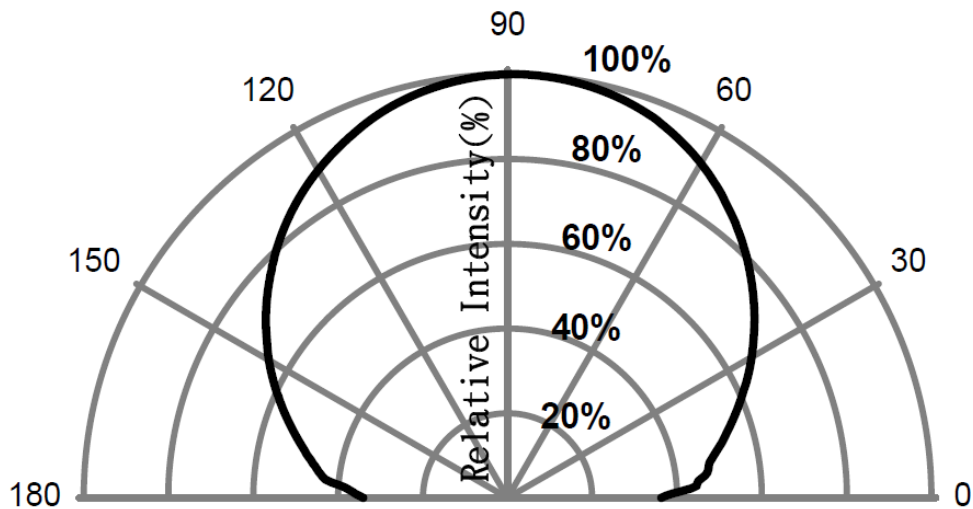
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Electrical/Optical Characteristics Curves

LED emission spectrum



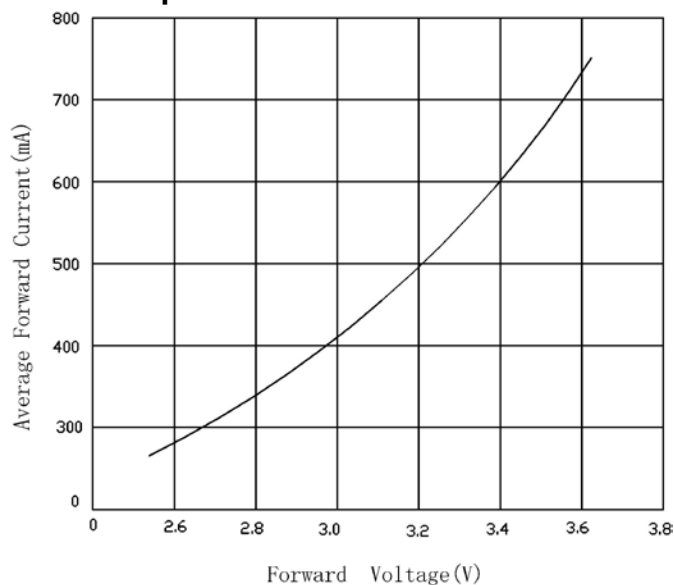
Typical radiation distribution



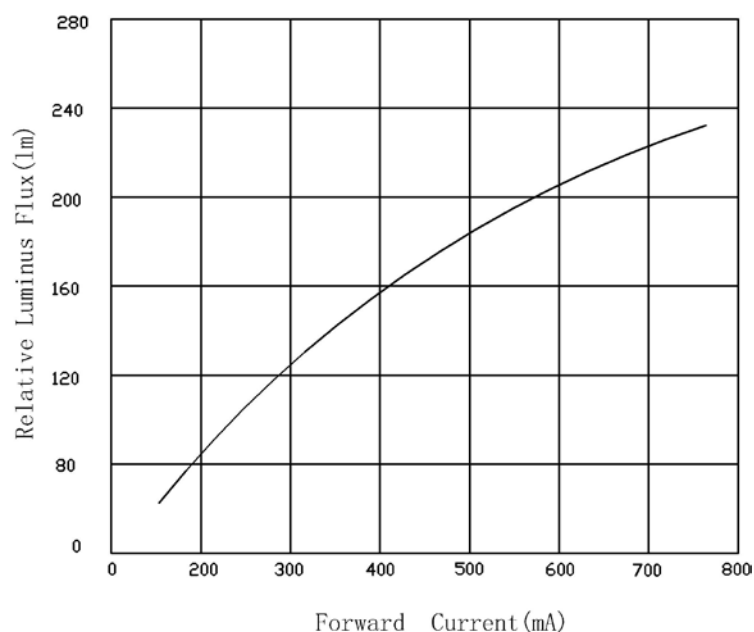


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Electrical parameters characteristic



Forward Current



*IFP Conditions : Pulse Width \leq 10msec duty \leq 1/10

* All high power emitter LED products mounted on aluminum metal-core printed circuit board, can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat dissipation equipment.

* Re-flow, wave peak and soak- stannum soldering etc.is not suitable for this products.

* Suggest to solder it by professional high power LED soldering machine.

* Can use invariable-temperature searing-iron with soldering condition \leq 260 degree less than 3 seconds.