



YETDA INDUSTRY LTD.

5mm Ultra Bright White Led Lamps S534AW4G

- 5mm with Super-Bright Dice.
- High Reliability / Durable.
- High Saturated Current (200mA).
- High Power (0.25W).
- High Esd (2000V Up).
- Encapsulated with White Clear Color Package.
- Long Leads.

Absolute Maximum Ratings :

Parameter	Maximum Rating	Unit
Peak Forward Current	120	mA
Continuous Forward Current	30	mA
Operating Temperature Range	- 40 to + 85	
Storage Temperature Range	- 50 to + 100	
Lead Soldering Temperature	260 for 3 seconds 1.6mm(0.063 inch) from body	

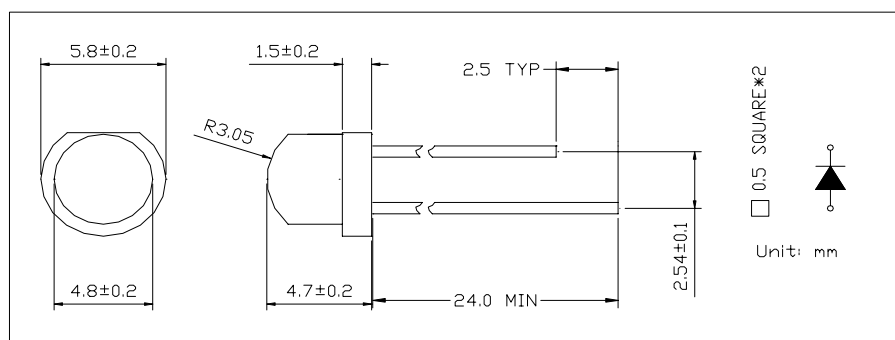
Electro-Optical Characteristics (Ta = 25)

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	If = 20mA	Vf	3.0	3.2	3.4	V
Reverse Current	Vr = 5V	Ir			10	uA
Luminous Intensity	If = 20mA	Iv	2180	3250	4800	mcd
Spectral Bandwidth	If = 20mA	$\Delta\lambda$		20		nm
Wavelength	If = 20mA	X		0.33		
		Y		0.32		
Half View Angle	If = 20mA	2 θ 1/2		100		deg

Please refer to CIE1931 Chromaticity Coordinate diagram

Package

Item: 534

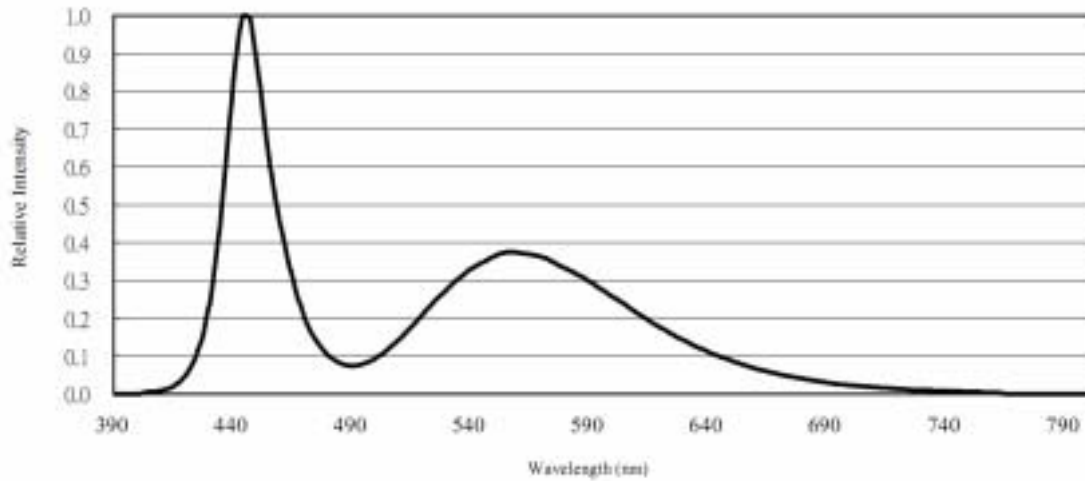




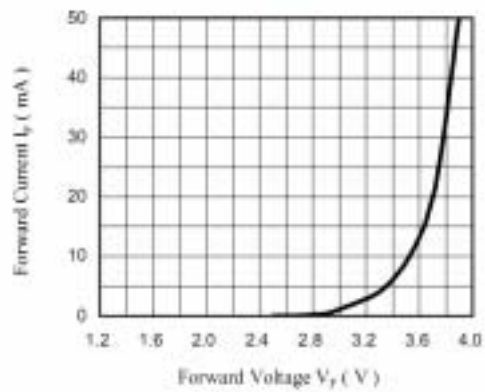
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Typical Electro-Optical Characteristics Curve:

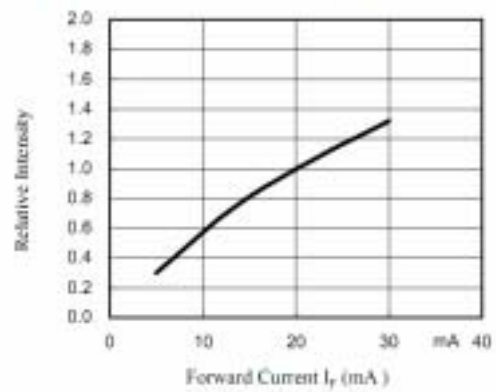
Relative Intensity vs. Wavelength ($T_a = 25^\circ\text{C}$)



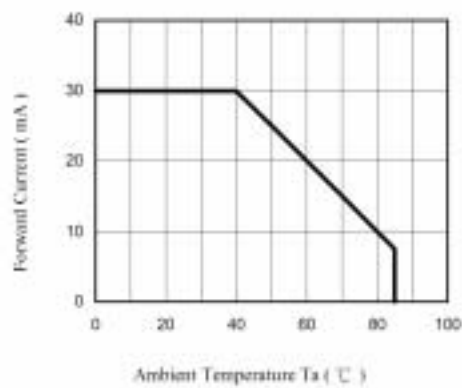
Forward Current vs. Forward Voltage ($T_a = 25^\circ\text{C}$)



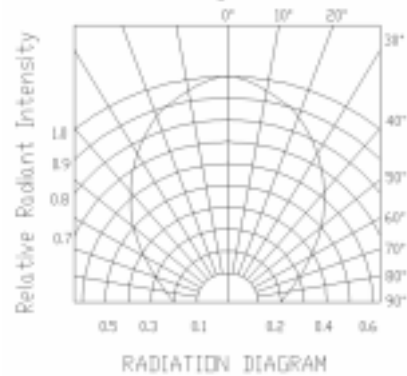
Relative Intensity vs. Forward Current ($T_a = 25^\circ\text{C}$)



Forward Current vs. Ambient Temperature



Radiation Diagram $T_a = 25^\circ\text{C}$





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Soldering:

1. Manual of soldering

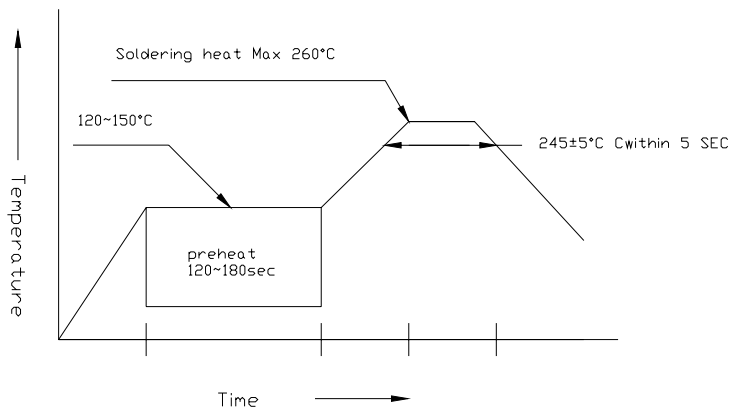
The temperature of the iron tip should not be higher than 260 and

Soldering within 3 seconds per solder-land is to be observed

2. DIP soldering (Wave Soldering):

Preheating: 120 ~150 within 5 sec. 260 (Max)

Gradual Cooling (Avoid quenching)

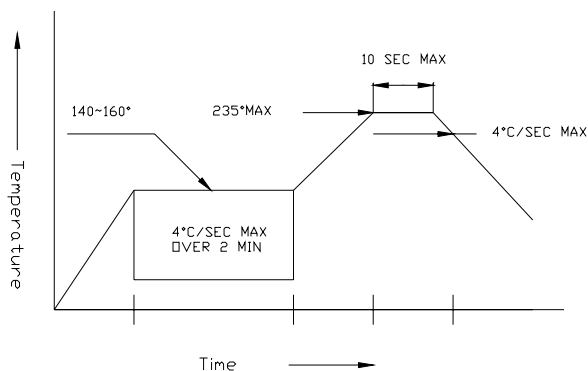


3. Reflow Soldering

Preheating: 140 ~160 ±5 , within 2 minutes.

Operation heating: 235 (Max) within 10 seconds (Max)

Gradual Cooling (Avoid quenching)



Handling:

Care must be taken not to cause to the epoxy resin portion of Yetda LEDS while it is exposed to high temperature.

Care must be taken not rub the epoxy resin portion of Yetda LEDS with hard or sharp article such as the sand blast and the metal hook