YETDA INDUSTRY LTD.

Technical Data Sheet

MODEL NO： S3045ANW4P **3045Package 3.0*4.5mm Chip LEDs**

Features：

●Package in 8mm tape on 7” diameter reel

●Compatible with automatic placement equipment

●Compatible with reflow solder process

Applications：

●Indicators

●Automotive：backlighting in dashboard and switch

●Backlight for LCD

Dice material	Emitted color	Lens Color
InGaN	White	Water Clear

Luminous flux characteristics at IF=350mA and Tj=25℃

Power Consumption	Color	Group	Min Luminous Flux@350mA(lm)	Part Munber
1W	Cool White	U1	86.5	S3045ANW4P1
		U2	90	
		U3	100	
		V1	110	
Power Consumption	Color	**Group**	Min Luminous Flux@350mA(lm)	**Part Munber**
3W	Cool White	V3	130	S3045ANW4P3
		V4	140	
		V5	150	
		W1	160	

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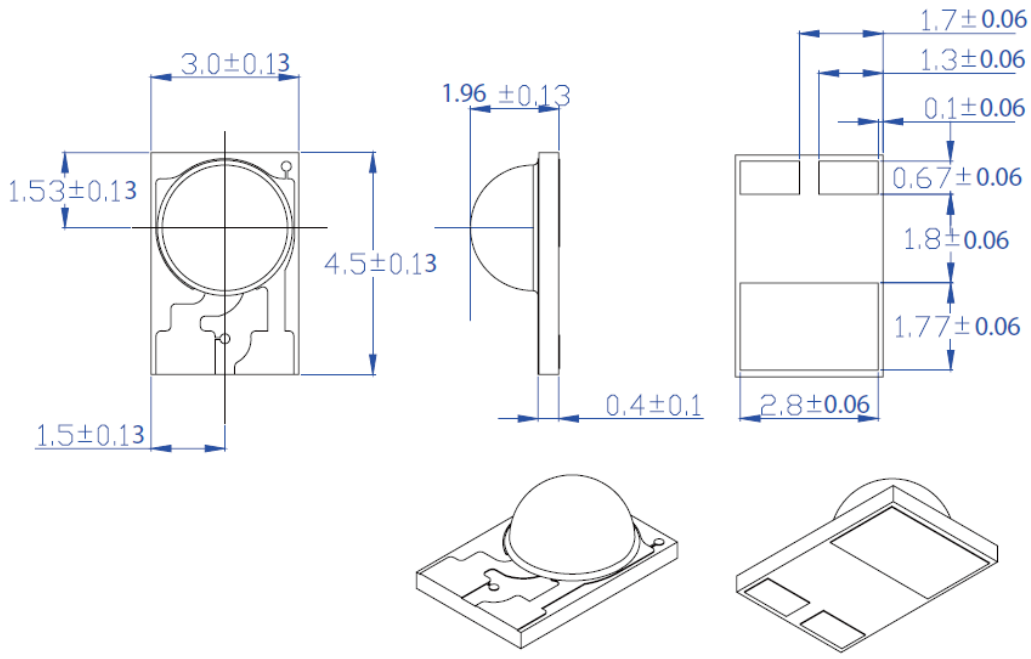
Absolute Maximum Ratings(Ta=25℃)

Parameter	Symbol	Value	Unit
DC Forward current	I_F	350	mA
Peak Pulsed Current; (tp≤100μs, Duty cycle=0.25)	I_{pulse}	1000	mA
Reverse Voltage	V_R	Note2	V
Operating temperature range	Top	-40 ~+80	℃
Storage temperature range	Tstg	-40 ~+120	℃
Soldering Temperature		260	℃

PACKAGING DIMENSIONS (mm):

Emitter Type Dimension



Notes:
1. All dimensions are measured in mm.
2. Drawings are not to scale.

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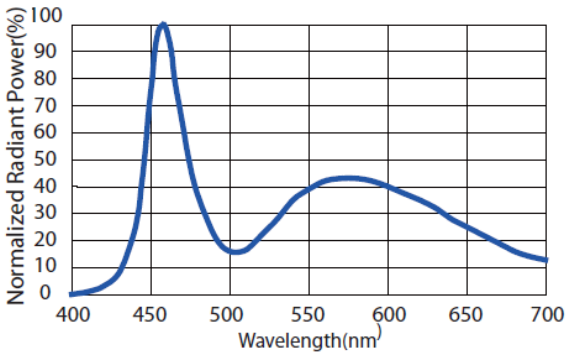
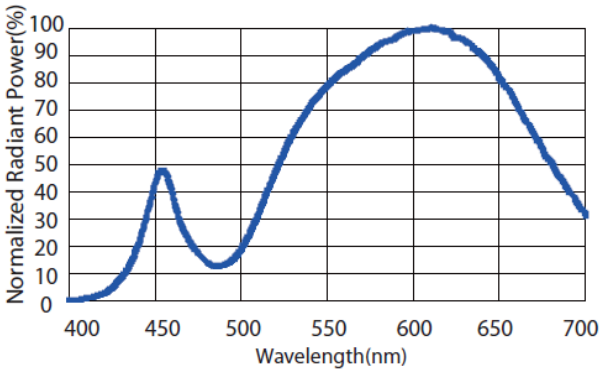
Characteristic Curve:

Spectrum

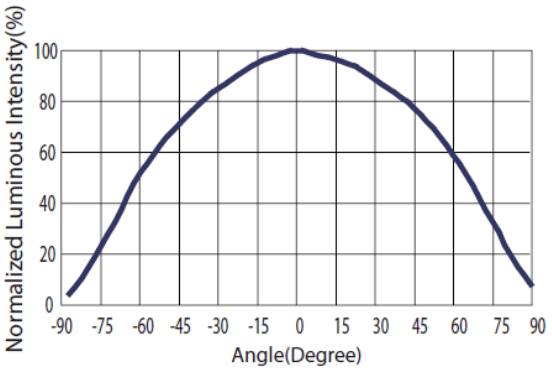


Color Spectrum for Cool White at T_j=25 °C



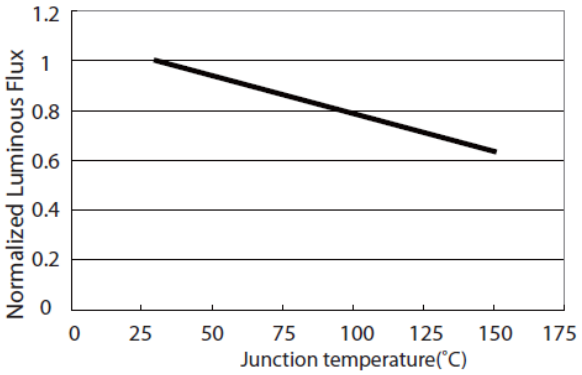
Color Spectrum for Warm White at T_j=25 °C.

Radiation Diagram



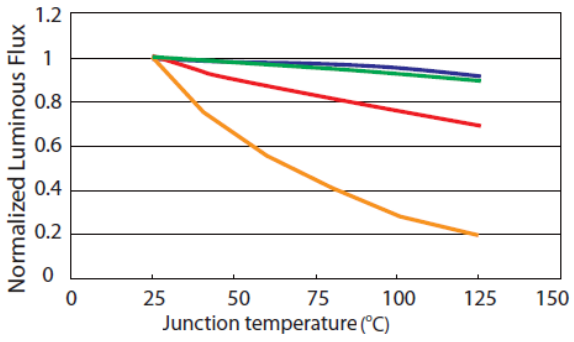
Emisson Angle for White Series

Luminous Flux VS. Junction Temperature



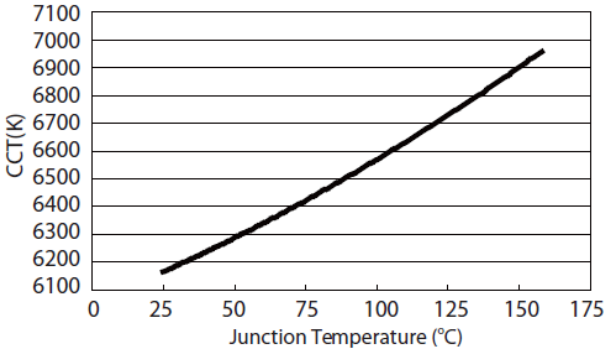
Luminous flux vs. junction temperature for White Series

Luminous Flux VS. Junction Temperature



Luminous flux vs. junction temperature for True Green, Blue, Red and Amber.

CCT VS. Junction Temperature



Typical CCT vs. junction temperature for Cool White.