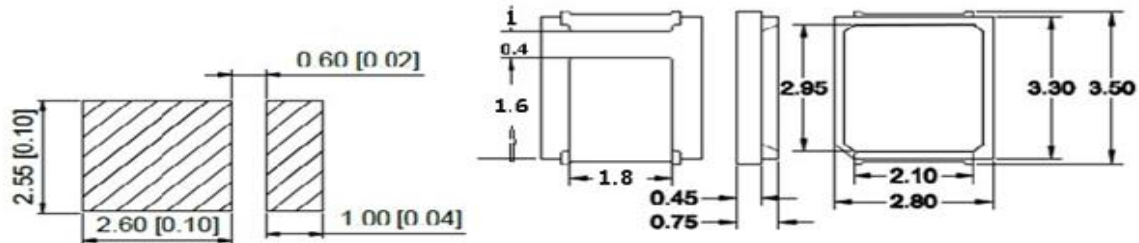


**Features:**

- Popular 2835 package with thermal pad
- Extremely wide viewing angle
- Suitable for Reflow Solder Process & SMT Assembly
- Available on Tape and reel.
- Moisture sensitivity level: Level 4
- RoHS compliant (RoHS).

**Extremely Cost Effective for TubeLights/Bulbs**

Part No.	Dice	Encapsulation Color	Luminous intensity (mcd) @60mA		Luminous Flux (lm) @60mA		Viewing Angle 2q 1/2
			Min	Typ	Min	Typ	
KL2835w	White	Yellow	6500	7100	26	30	120
KL2835WW	Warm White	Diffused	2700	3000	28	28	120

**Absolute Maximum Ratings at Ta = 25° C**

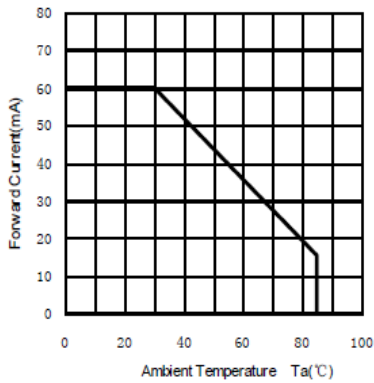
Parameter	Symbol	Rating	Units
Power Dissipation	pd	210	mW
Forward current	IF	90	mA
Peak Forward Current (I)	IFP	150	mA
Reverse Voltage	VR	5	V
Electrostatic Discharge (HBM)	ESD	1000	V
Operating temperature	Topr	~40 ~+85	°C
Storage Temperature	Tstg	~ 40 ~ +85	°C

**Electrical/ Optical Characteristics At Ta =25- °C**

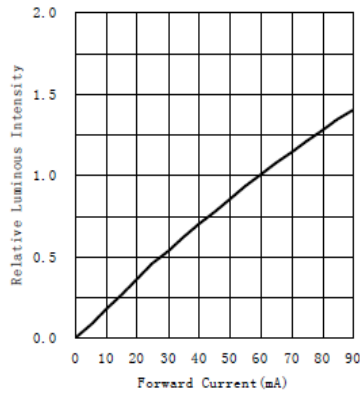
Parameter	Symbol	Min	Typ	Max	Units	Test Conditions
Forward voltage	Vf	2.8	3.1	3.4	V	IF=60mA
Reverse Current	IR	--	--	10	uA	VR=5V
Color Temperature	Tc	--	6000/3000	--	K	IF=60mA
Color Rendering Index	CRI	70	---	82	Ra	IF=60mA

## Typical optical characteristics curves

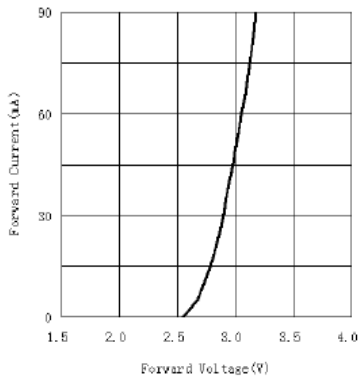
Ambient Temperature vs. Forward Current



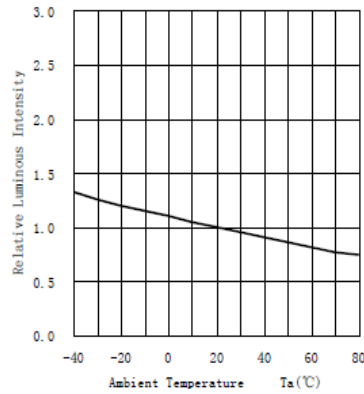
Forward Current VS. Relative Intensity



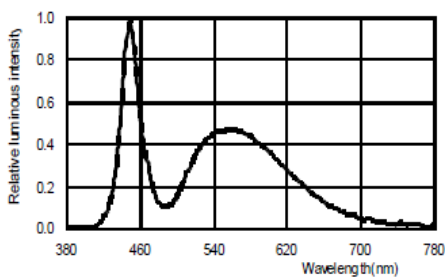
Forward Voltage VS. Forward Current



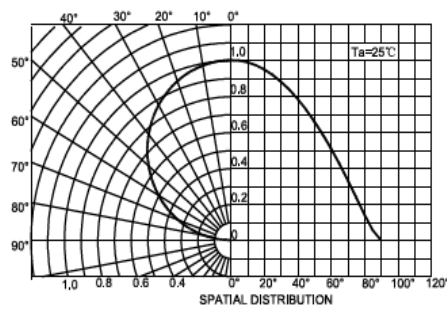
Ambient Temperature VS. Relative Intensity



Relative spectral emission



Radiation diagram



**kwalitiy**

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KPDS/Ds92 SMD LED KLSL2835 new Rev02

Dt.25.05.16