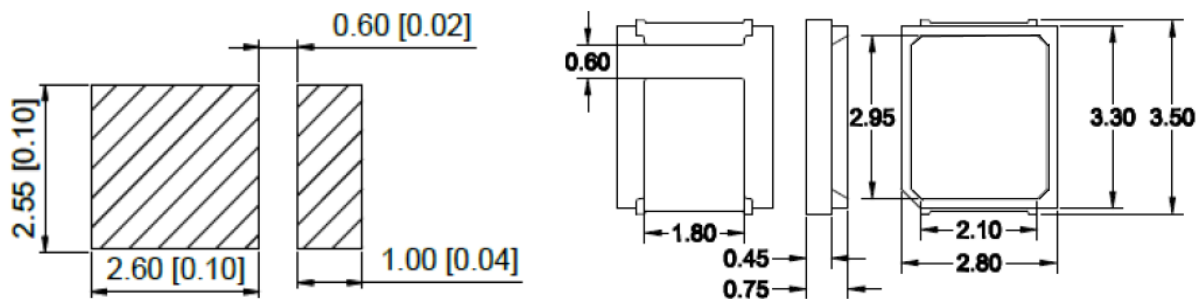


Datasheet115 PLCC SMD LED 0.5W 60-65lm 150mA KLSSL2835W/WW

Features

- PLCC -2 Packages.
- Extremely wide viewing angle .
- Suitable for Reflow Solder Process & SMT Assembly
- Available on Tape and reel.
- RoHS compliant (RoHS).



Extremely Cost Effective for Tube Lights

Part No.	Dice	Encapsulation Color	Luminous Int (mcd) @30mA		Luminous Flux (lm) @30mA		Viewing Angle
			Min	Typ	Min	Typ	
KLSSL2835W	White	Yellow Diffused	5800	6500	60	65	120
KLSSL2835WW	Warm White		2700	3000	60	65	120

Absolute Maximum ratings at Ta =25°C

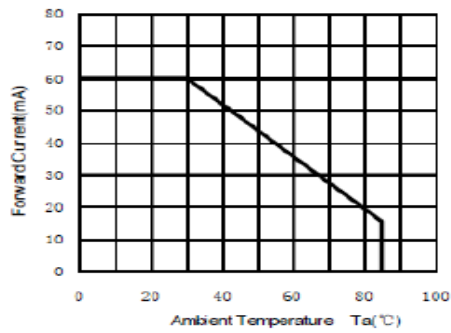
Parameter	Symbol	Rating	Units
Power Dissipation	Pd	210	mW
Forward Current	I _F	150	mA
Peak Forward Current (1)	I _{FP}	150	mA
Reverse Voltage	V _R	5	V
Electrostatic Discharge (HBM)	ESD	1000	V
Operating Temperature	T _{opr}	~ 40 ~ +85	°C
Storage Temperature	T _{stg}	~ 40 ~ +85	°C

Electrical / Optical Characteristics at Ta =25°C

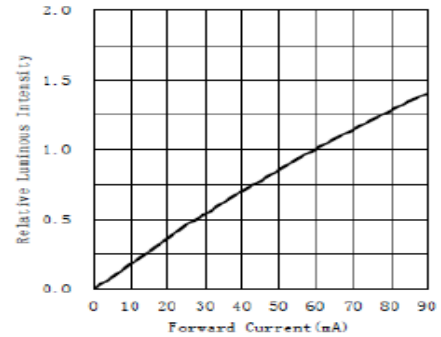
Parameter	Symbol	Min	Typ	Max	Units	Test Conditions
Forward Voltage	V _F	2.8	3.1	3.4	V	I _F =150mA
Reverse Voltage	I _R	--	--	10	μA	I _F =150mA
Color Temperature	T _C	--	6000/3000	--	K	I _F =150mA
Color Rendering Index	CRI	70	80	--	Ra	I _F =150mA

Typical optical characteristics curves

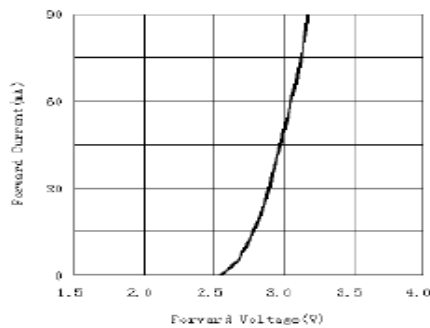
Ambient Temperature vs. Forward Current



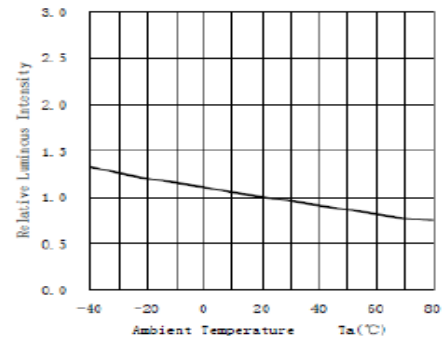
Forward Current VS. Relative Intensity



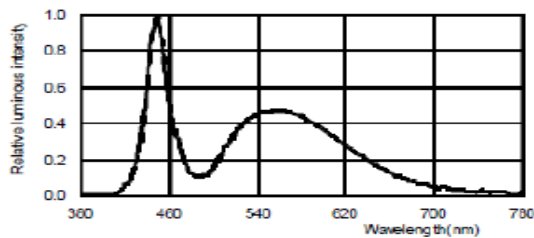
Forward Voltage VS. Forward Current



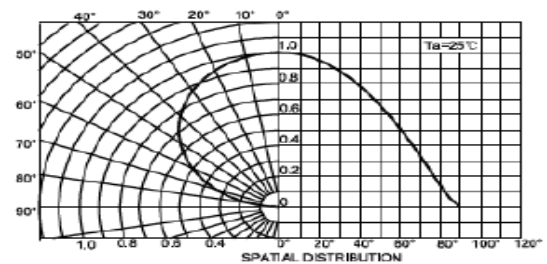
Ambient Temperature VS. Relative Intensity



Relative spectral emission



Radiation diagram



LEDCHIP INDUS PRIVATE LIMITED

29A&B Electronics Complex, Kushaiguda Hyderabad 500 062 Ph 91-40-27123555

kwalitypolywa@gmail.com, sales@kwalitiyindia.com www.kwalitiphotonics.com

