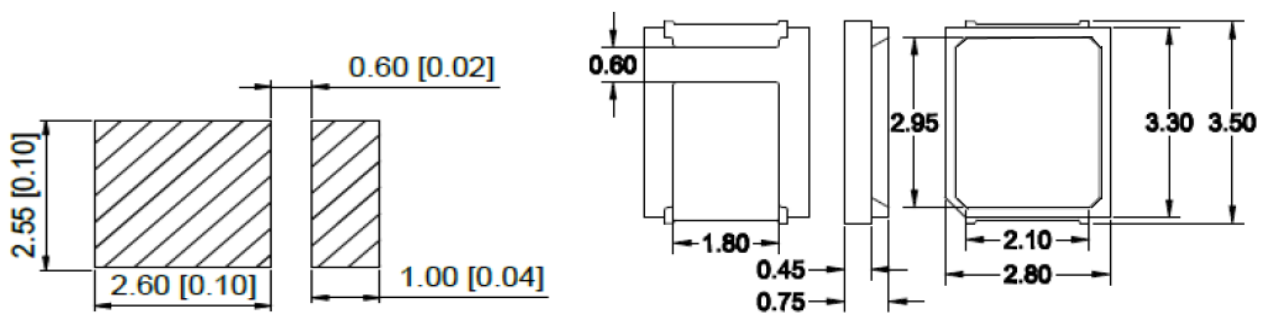


## Data Sheet no. 158 SMD LED KLSSL2835W 0.5W 18V 65-70lm@30mA

### 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/Bulbs

Part No.	Dice	Luminous Int (mcd) @30mA		Luminous Flux (lm) @30mA		Viewing Angle
		Min	Typ	Min	Typ	
KLSSL2835W-18V	White	2700	7000	65	75	2 $\phi$ 1/2
KLSSL2835WW-18V	Warm White					
KLSSL2835NW-18V	Natural White					

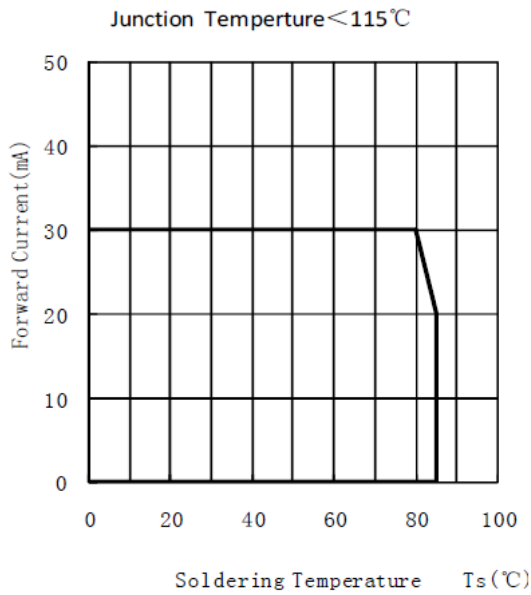
**Absolute Maximum Ratings at Ta = 25° C**

Parameter	Symbol	Rating	Units
Power Dissipation	Pd	600	mW
Peak Forward Current (I) 10% Duty	I <sub>fp</sub>	100	mA
Forward current	I <sub>f</sub>	35	mA
Reverse Voltage	V <sub>R</sub>	5	V
Electrostatic Discharge (HBM)	ESD	1000	V
Operating Temperature	T <sub>opr</sub>	~40 ~+85	°C
Storage Temperature	T <sub>stg</sub>	~40 ~+100	°C
Thermal Resistance (Junction to soldering point)	R <sub>thj-s</sub>	22	°C/W
Junction Temperature	T <sub>j</sub>	115	°C

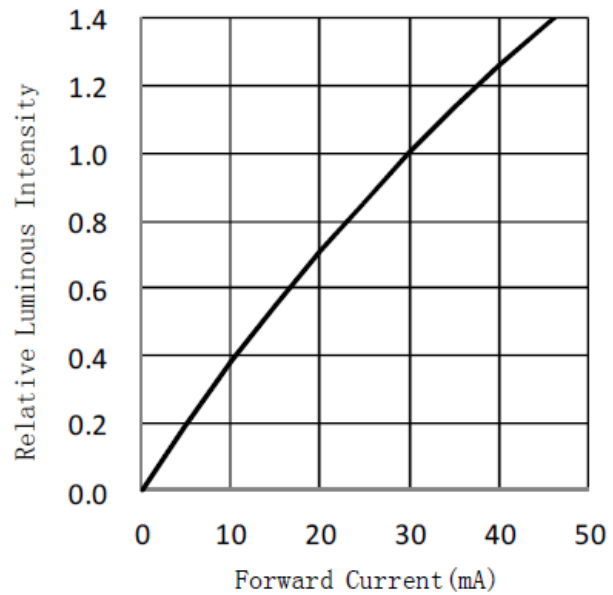
**Electrical/ Optical Characteristics At Ta =25- °C**

Parameter	Symbol	Min	Typ	Max	Units	Test Conditions
Forward Voltage	V <sub>f</sub>	18.0	19	20	V	I <sub>f</sub> =30mA
Reverse Current	I <sub>R</sub>	--	--	10	uA	V <sub>R</sub> =5V
Color Temperature	TC	--	3000/6000	--	K	I <sub>f</sub> =30mA
Color Rendering Index	CRI	80	--	83	Ra	I <sub>f</sub> =30mA

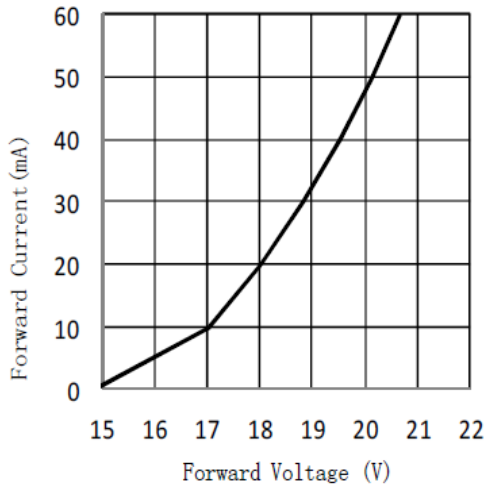
### Soldering Temperature Vs. Current Temperature



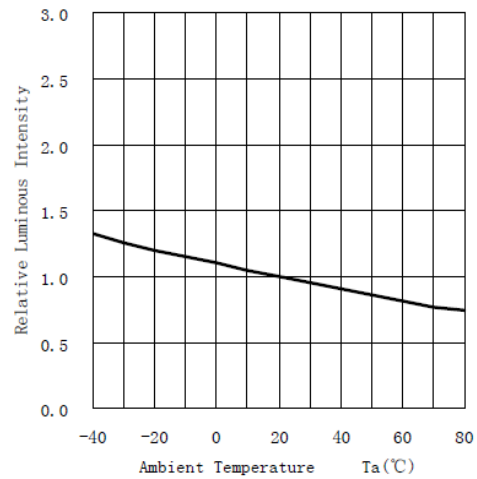
### Forward Current Vs. Relative Intensity



### Forward Voltage Vs. Forward Current



### Ambient Temperature VS. Relative Intensity



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