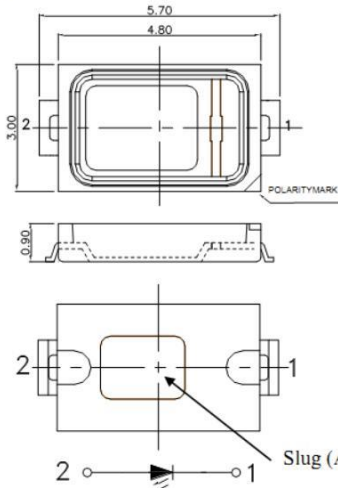


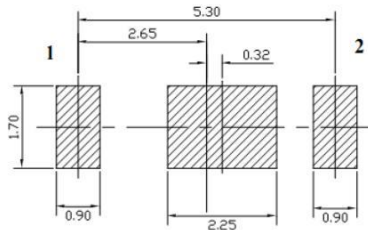
# Datasheet no.73A

# Medium Power LEDs KLSL5630W-55-60Lm

### Package Dimensions



### Recommended Soldering



Part No.	CCT	Lumens(Typ) @150mA
KLSL5630W -55	5500~7000	55Lm
KLSL5630WW	2500-4500	50Lm
KLSL5630W-60	5500~7000	60Lm

### Electrical /Optical Characteristics at Ta=25°C

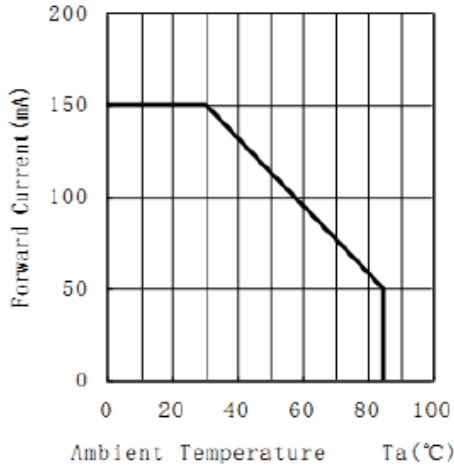
Parameter	Symbol	Min	Typ.	Max.	Units.	Test Conditions.
Forward Voltage	$V_F$	3.0	--	3.8	V	$I_F=150mA$
Reverse Current	$I_R$	--	--	10	$\mu A$	$V_R =5v$
Luminous Flux	$\phi_V$	--	50	--	--	$I_F=150mA$
Color Coordinated	X	--	0.32	--	--	$I_F=150mA$
	Y	--	0.33	--	--	$I_F=150mA$
Color Temperature	$T_C$	--	6500	--	K	$I_F=150mA$
Color Rendering Index	CRI	70	--	--	Ra	$I_F=150mA$
Viewing Angle			120°			

### Absolute Maximum Rating at Ta = 25 °C

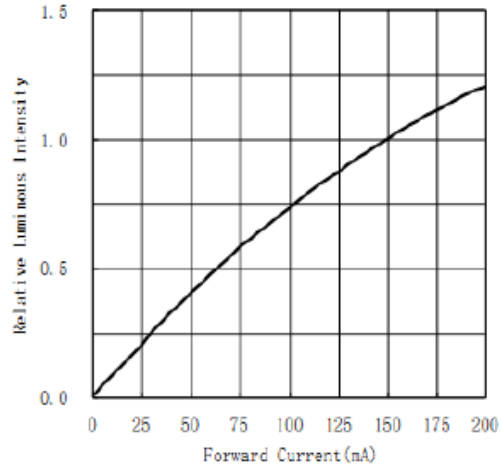
Parameter	Symbol	Rating	Units.
Power Dissipation	$P_d$	500	mW
DC Forward Current	$I_F$	150	mA
Peak Forward Current (1/10 Duty)	$I_{FP}$	200	mA
Reverse Voltage	$V_R$	5	V
Electrostatic Discharge (HBM)	ESD	1000	V
Operating Temperature	$T_{opr}$	-40~+85	°C
Storage Temperature	$T_{stg}$	=40~+100	°C

## Typical optical characteristics curves

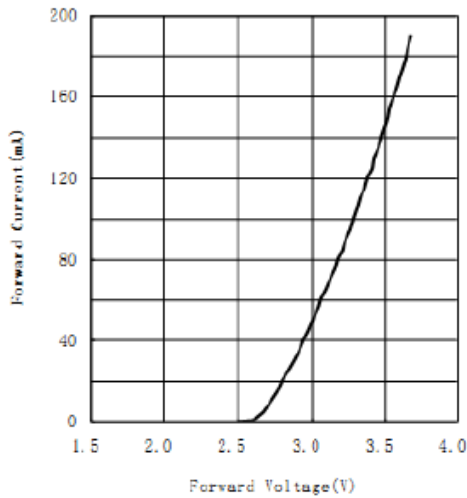
Ambient Temperature VS. Forward Current



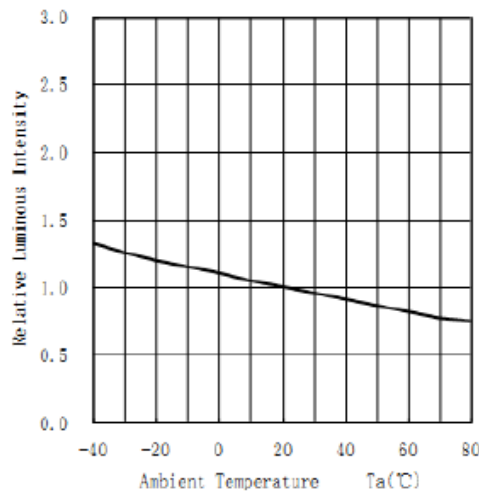
Forward Current VS. Relative Intensity



Forward Voltage VS. Forward Current



Ambient Temperature VS. Relative Intensity



Relative spectral emission

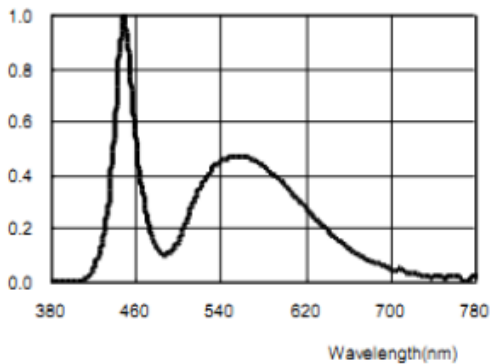
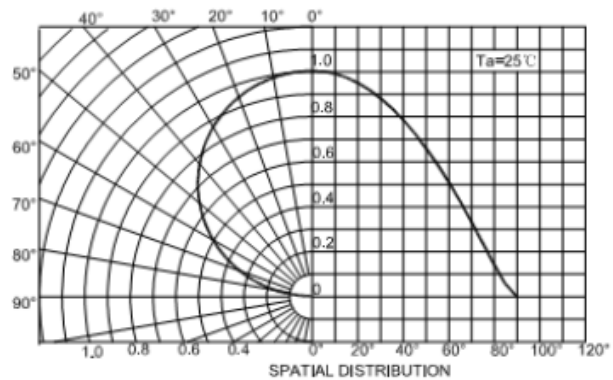


Diagram characteristics of radiation



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