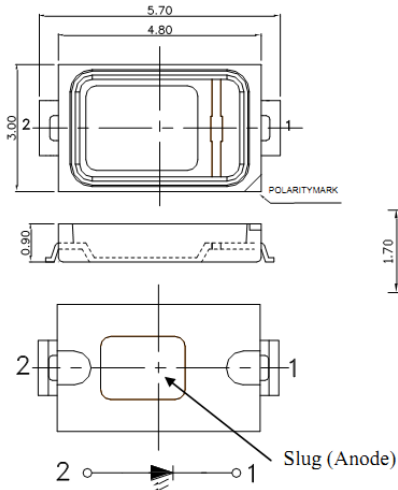
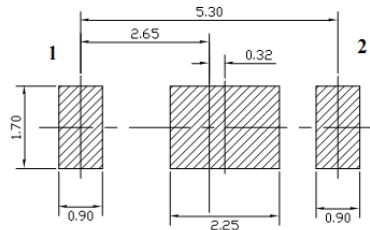


Datasheet no. 73 Medium Power LEDs KLSL5630W-50

Package Dimensions



Recommended Soldering



Part No.	CCT	Lumens(Typ) @150mA
KLSL5630W -50	5500~7000	54Lm
KLSL5630WW	2500-4500	50Lm
KLSL5630W-60	5500~7000	60Lm

Electrical /Optical Characteristics at Ta=25°C

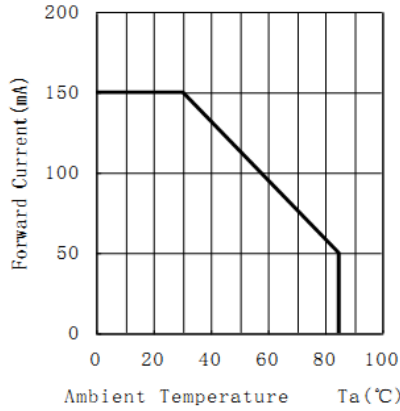
Parameter	Symbol	Min	Typ.	Max.	Units.	Test Conditions.
Forward Voltage	V_F	3.0	--	3.8	V	$I_F=150mA$
Reverse Current	I_R	--	--	10	μA	$V_R =5v$
Luminous Flux	ϕ_v	--	50	--	--	$I_F=150mA$
Color Coordinated	X	--	0.32	--	--	$I_F=150mA$
	Y	--	0.33	--	--	$I_F=150mA$
Color Temperature	T_c	--	6500	--	K	$I_F=150mA$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

Absolute Maximum Rating at Ta = 25°C

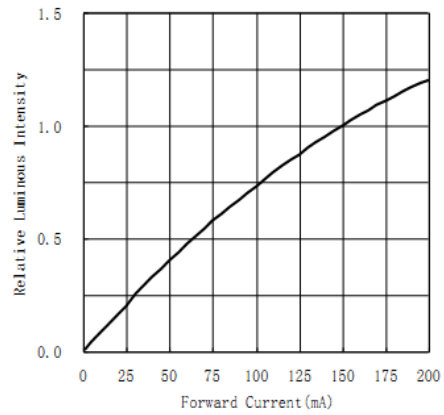
Parameter	Symbol	Rating	Units.
Power Dissipation	P_d	500	mW
DC Forward Current	I_F	150	mA
Peak Forward Current (1/10 Duty)	I_{FP}	200	mA
Reverse Voltage	V_R	5	V
Electrostatic Discharge (HBM)	ESD	1000	V
Operating Temperature	T_{opr}	-40~+85	°C
Storage Temperature	T_{stg}	=40~+100	°C

Typical optical characteristics curves

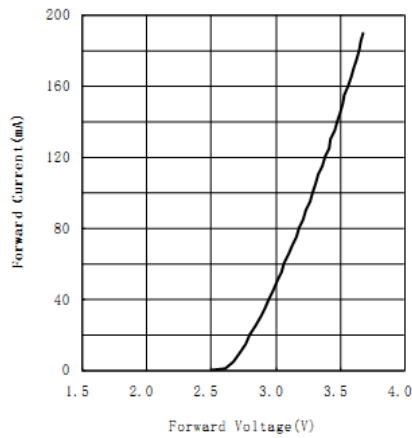
Ambient Temperature VS. Forward Current



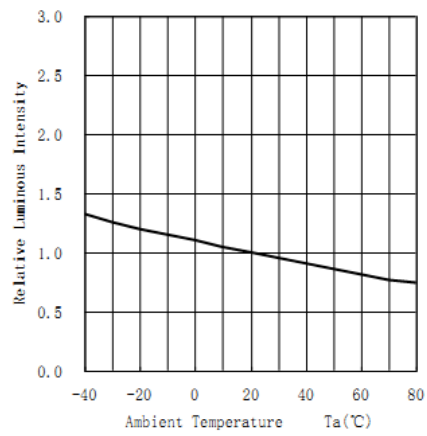
Forward Current VS. Relative Intensity



Forward Voltage VS. Forward Current



Ambient Temperature VS. Relative Intensity



Relative spectral emission

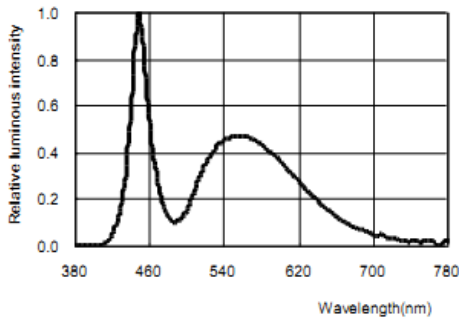
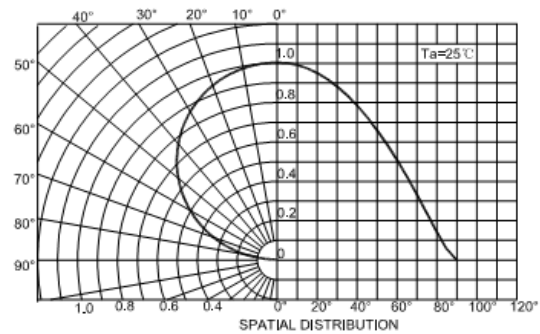


Diagram characteristics of radiation



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