

XPGWHT-L1-0000-00G53

(size: 3.45 x 3.45mm)

Standard CRI: 70
ANSI Cool White

FEATURES

- Maximum drive current: up to 1500 mA
- Maximum junction temperature: 150 °C
- Electrically neutral thermal path

White Chromaticity Region

Region	x	y
53	.3005	.3415
	.3093	.2993
	.3290	.3180
	.3290	.3300
	.3440	.3427
	.3480	.3840

Brightness

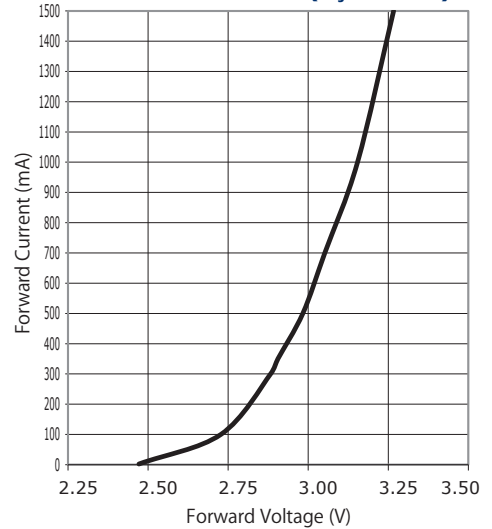
Code	Min.	Max.
R4	130	139

@I_F : 350mA (unit : lumen)

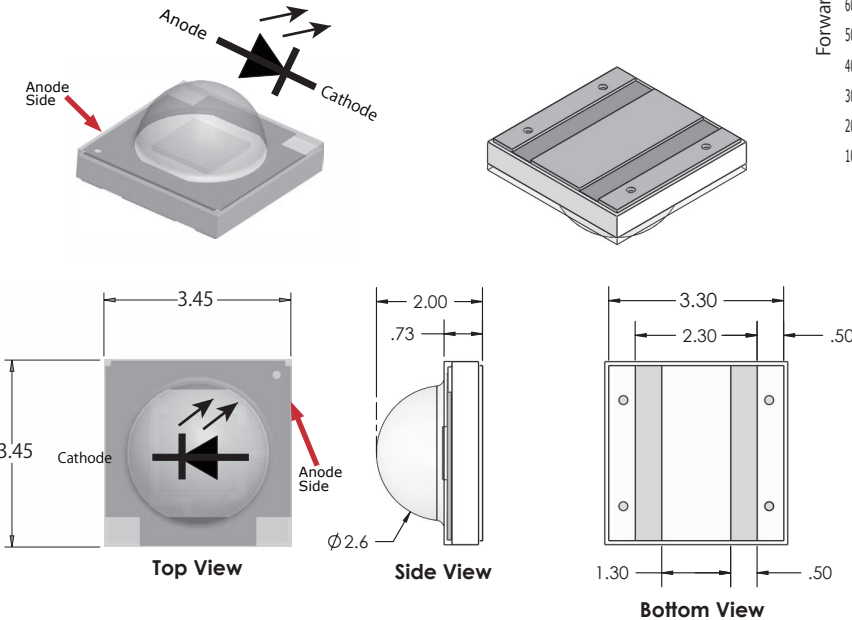
CHARACTERISTICS

Characteristics	Unit	Typical	Maximum
Thermal Resistance, junction to solder point	°C/w	4	
Viewing Angle (FWHM)	degrees	125	
Temperature Coefficient of Voltage	mV/°C	-2.1	
DC Forward Current	mA		1500
Reverse Voltage	V		5
Forward Voltage (@ 350 mA, 25°C)	V	2.9	3.25
Forward Voltage (@ 700 mA, 25°C)	V	3.05	
Forward Voltage (@ 1000 mA, 25°C)	V	3.15	
Forward Voltage (@ 1500 mA, 25°C)	V	3.25	
LED Junction Temperature	°C		150

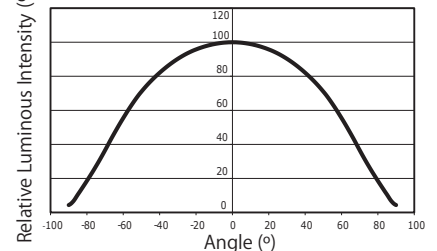
ELECTRICAL CHARACTERISTICS
(T_J = 25 °C)



MECHANICAL DIMENSIONS

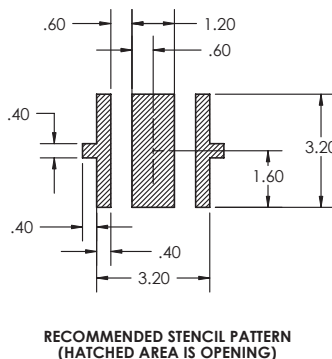
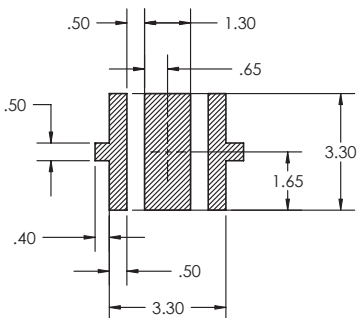


TYPICAL SPATIAL DISTRIBUTION



R4-Rank Characteristics

lumen (min)	I _F (mA)	V _F (V)	Wat (w)	lumen/W
130	350	2.9	1.015	128
243	700	3.05	2.135	114
325	1000	3.15	3.150	103
433	1500	3.25	4.875	88

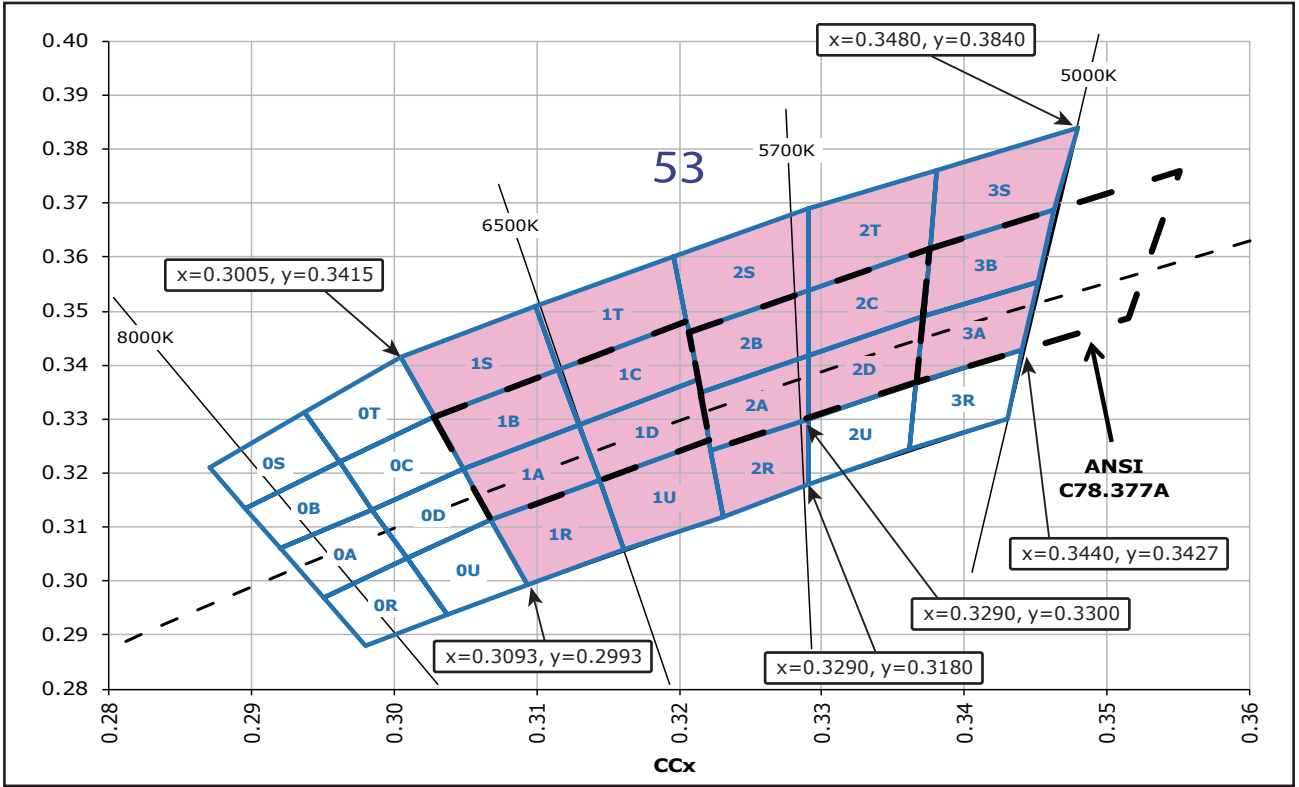


XPGWHT-L1-0000-00G53 (size: 3.45 x 3.45mm) 6000K 130 lumen [R4-Rank] Cool White

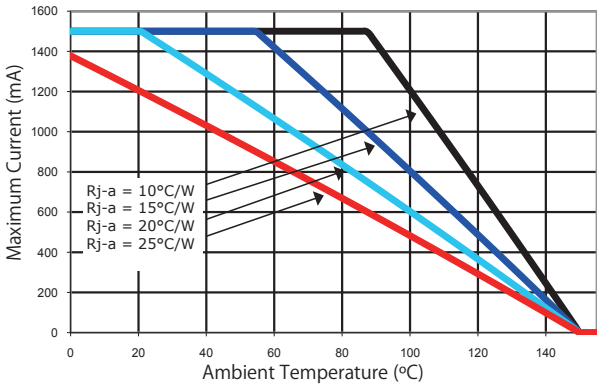
参考資料

CREE'S STANDARD CHROMATICITY REGIONS PLOTTED ON THE 1931 CIE CURVE

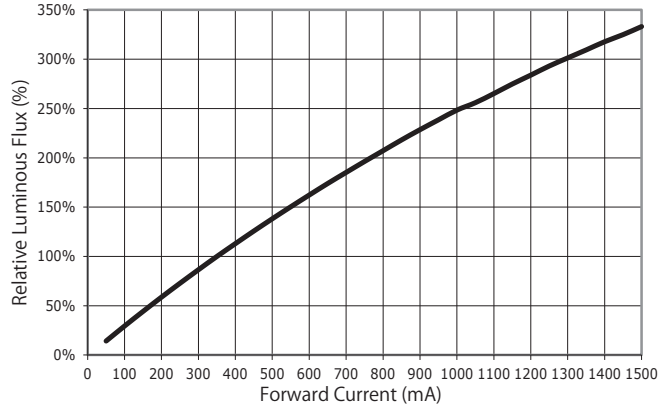
Cool White Chromaticity Region



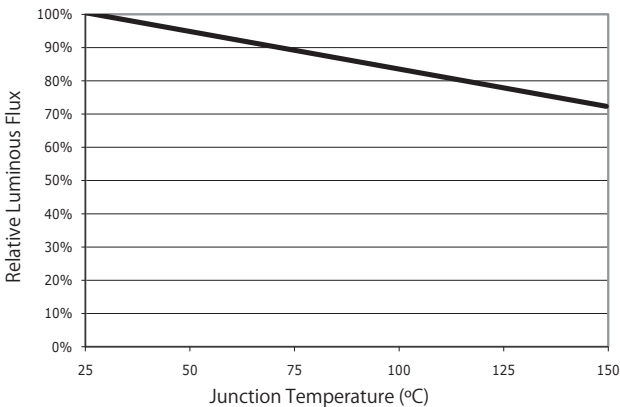
THERMAL DESIGN



RELATIVE FLUX VS. CURRENT (T_j = 25 °C)



RELATIVE FLUX VS. JUNCTION TEMPERATURE



RELATIVE SPECTRAL POWER DISTRIBUTION

