



本規格書為 **SMD LED** 產品型號：SS-302012YDWAD4V-D0 相關規格

產品規格：

Emitted color : White

Lens Color : Milky White

Dice : InGaN

Absolute Maximum Ratings (Tj = 25°C)

Parameter	Value	Unit
Power Dissipation	117	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Reverse Voltage	5	V
Operating Temperature Range	-25 to +80	°C
Storage Temperature Range	-30 to +80	°C
Lead Solder Temperature	: 260°C for 5 seconds	

Electrical-Optical Characteristics (Tj = 25°C)

Parameter	Symbol	MIN	TYP	MAX	UNIT	TEST CONDITION
Forward Voltage	VF	2.7		3.9	V	If=20mA
Wavelength	X,Y		X=0.30 Y=0.31		nm	
Reverse Current	IR				μA	VR=5V
Luminous Intensity	IV	1000	1400		mcd	If=20mA
Recommend Forward Current	If(Rec)		20		mA	
Full Viewing Angle	2θ 1/2		120		deg	If=20mA



■ Color Bin:

AU1	
X	Y
0.26	0.22
0.27	0.23
0.26	0.23
0.27	0.24

AU2	
X	Y
0.27	0.24
0.27	0.23
0.28	0.24
0.28	0.25

BU1	
X	Y
0.28	0.24
0.29	0.25
0.29	0.26
0.28	0.25

BU2	
X	Y
0.29	0.25
0.30	0.26
0.30	0.27
0.29	0.26

AA1	
X	Y
0.26	0.23
0.27	0.24
0.27	0.25
0.26	0.24

AA2	
X	Y
0.27	0.24
0.28	0.25
0.28	0.26
0.27	0.25

BB1	
X	Y
0.28	0.25
0.29	0.26
0.29	0.27
0.28	0.26

BB2	
X	Y
0.29	0.26
0.3	0.27
0.3	0.28
0.29	0.27

CC1	
X	Y
0.27	0.25
0.27	0.26
0.26	0.25
0.26	0.24

CC2	
X	Y
0.28	0.26
0.28	0.27
0.27	0.26
0.27	0.25

DD1	
X	Y
0.29	0.27
0.29	0.28
0.28	0.27
0.28	0.26

DD2	
X	Y
0.3	0.28
0.3	0.29
0.29	0.28
0.29	0.27

EE1	
X	Y
0.27	0.26
0.27	0.27
0.26	0.26
0.26	0.25

EE2	
X	Y
0.28	0.27
0.28	0.28
0.27	0.27
0.27	0.26

FF1	
X	Y
0.29	0.28
0.29	0.29
0.28	0.28
0.28	0.27

FF2	
X	Y
0.3	0.29
0.3	0.3
0.29	0.29
0.29	0.28

Color Coordinates Measurement Allowance is ± 0.01



Bin Code.

■ **Iv Bin:**

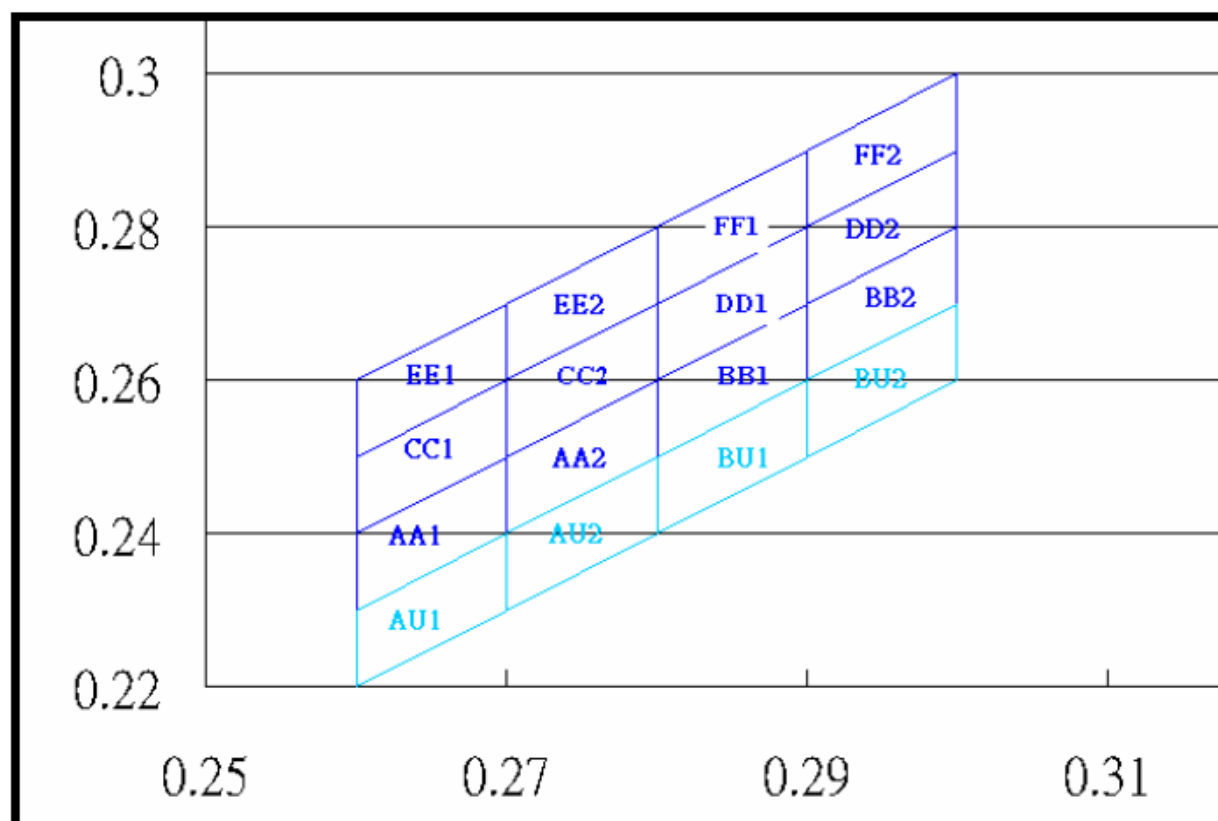
Color	Bin Code	Spec. Range
White	Y21	1000-1050 mcd
	Y22	1050-1125 mcd
	Z11	1125-1200 mcd
	Z12	1200-1270 mcd
	Z21	1270-1350 mcd
	Z22	1350-1440 mcd
	Z31	1440-1520 mcd

Luminous Intensity Measurement Allowance is $\pm 10\%$

■ **Vf Bin:**

Color	Bin Code	Spec. Range
White	G4	2.7-2.8V
	H1	2.8-2.9V
	H2	2.9-3.0V
	H3	3.0-3.1V
	H4	3.1-3.2V
	J1	3.2-3.3V
	J2	3.3-3.4V
	J3	3.4-3.5V
	J4	3.5-3.6V
	K1	3.6-3.7V
	K2	3.7~3.8V
	K3	3.8~3.9V

Forward Voltage Measurement Allowance is $\pm 0.05V$



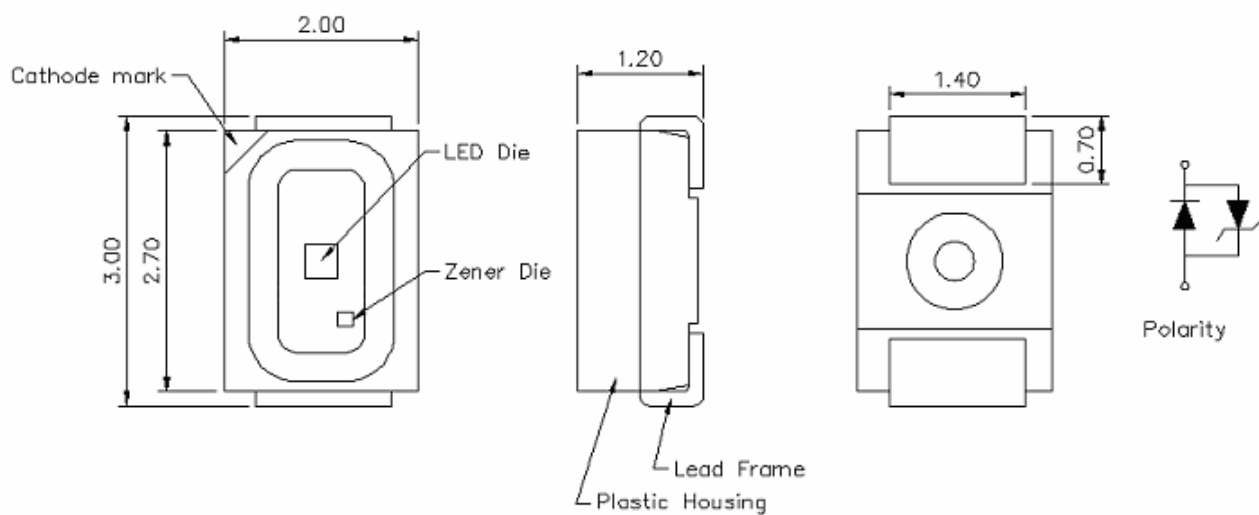


ROYAL LIGHT ELECTRONICS CO., LTD.

OUTLINE DIMENSION

TOLERANCE :0.25

UNIT : mm



Spatial Distribution 120°

