



本規格書為 **LED SMD** 產品型號：ST-352819YDWAD5V-D0 相關規格

產品規格：

Emitted color : WHITE

Lens Color : YELLOW Diffused

Dice : InGaN/SiC

Absolute Maximum Ratings (Tj = 25°C)

Parameter	Value	Unit
Power Dissipation	75	mW
Continuous Forward Current	20	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Operating Temperature Range	-40to +85	°C
Storage Temperature Range	-40to +100	°C
Lead Solder Temperature :	240°C for 10 seconds	

Electrical-Optical Characteristics (Tj = 25°C)

Parameter	Symbol	MIN	TYP	MAX	UNIT	TEST CONDITION
Forward Voltage	VF	3		3.4	V	If=20mA
Reverse Current	IR			50	μA	VR=5V
Luminous Intensity	IV	1265		2250	mcd	If=20mA
Recommend Forward Current	If(Rec)		20		mA	
Full Viewing Angle	2θ 1/2		120		deg	If=20mA



($I_F=20mA$)

Rank	H	I	J	K
Luminous Intensity (mcd)	1267~1500	1500~1750	1750~2000	2000~2250

($I_F=20mA$)

	CIE-X	CIE-Y		CIE-X	CIE-Y		CIE-X	CIE-Y
E21	0.4531	0.3947	E04	0.4780	0.4383	E12	0.4559	0.4231
	0.4395	0.3912		0.4626	0.4362		0.4416	0.4195
	0.4308	0.3750		0.4559	0.4231		0.4333	0.4029
	0.4443	0.3793		0.4708	0.4261		0.4478	0.4072
E14	0.4622	0.4110	E22	0.4395	0.3912	E03	0.4626	0.4362
	0.4478	0.4072		0.4260	0.3868		0.4477	0.4325
	0.4395	0.3912		0.4180	0.3700		0.4416	0.4195
	0.4531	0.3947		0.4308	0.3750		0.4559	0.4231
E11	0.4708	0.4261	E13	0.4478	0.4072	F21	0.4260	0.3868
	0.4559	0.4231		0.4333	0.4029		0.4130	0.3810
	0.4478	0.4072		0.4260	0.3868		0.4066	0.3655
	0.4622	0.4110		0.4395	0.3912		0.4180	0.3700
F14	0.4333	0.4029	F11	0.4416	0.4195	F04	0.4477	0.4325
	0.4200	0.3975		0.4270	0.4145		0.4330	0.4280
	0.4130	0.3810		0.4200	0.3975		0.4270	0.4145
	0.4260	0.3868		0.4333	0.4029		0.4416	0.4195



F22	0.4130	0.3810	F13	0.4200	0.3975	F12	0.4270	0.4145
	0.4000	0.3750		0.4055	0.3915		0.4110	0.4080
	0.3945	0.3600		0.4000	0.3750		0.4055	0.3915
	0.4066	0.3655		0.4130	0.3810		0.4200	0.3975
F03	0.4330	0.4280	D22	0.4660	0.3970	D13	0.4767	0.4140
	0.4163	0.4222		0.4531	0.3947		0.4622	0.4110
	0.4110	0.4080		0.4443	0.3793		0.4531	0.3947
	0.4270	0.4145		0.4567	0.3822		0.4660	0.3970
D12	0.4855	0.4281	D21	0.4783	0.3983	D11	0.4995	0.4292
	0.4708	0.4261		0.4660	0.3970		0.4855	0.4281
	0.4622	0.4110		0.4567	0.3822		0.4767	0.4140
	0.4767	0.4140		0.4690	0.3840		0.4899	0.4150
D03	0.4930	0.4405	D14	0.4899	0.4150	D04	0.5077	0.4410
	0.4780	0.4388		0.4767	0.4140		0.4930	0.4405
	0.4708	0.4261		0.4660	0.3970		0.4855	0.4281
	0.4855	0.4281		0.4783	0.3983		0.4995	0.4292



	CIE-X	CIE-Y		CIE-X	CIE-Y		CIE-X	CIE-Y
G21	0.4000	0.3750	G12	0.3945	0.3982	H22	0.3568	0.3475
	0.3846	0.3660		0.3774	0.3878		0.3438	0.3378
	0.3803	0.3515		0.3740	0.3730		0.3428	0.3254
	0.3945	0.3600		0.3895	0.3820		0.3547	0.3345
	0.4055	0.3915		0.3990	0.4130		0.3590	0.3625
G14	0.3895	0.3820	G03	0.3807	0.4020	H13	0.3452	0.3528
	0.3846	0.3660		0.3774	0.3878		0.3438	0.3378
	0.4000	0.3750		0.3945	0.3982		0.3568	0.3475
G11	0.4110	0.4080	H21	0.3705	0.3573	H12	0.3615	0.3780
	0.3945	0.3982		0.3568	0.3475		0.3465	0.3680
	0.3895	0.3820		0.3547	0.3345		0.3452	0.3528
	0.4055	0.3915		0.3675	0.3435		0.3590	0.3625



G04	0.4163	0.4222	H14	0.3740	0.3730	H03	0.3634	0.3910
	0.3990	0.4130		0.3590	0.3625		0.3477	0.3806
	0.3945	0.3982		0.3568	0.3475		0.3465	0.3680
	0.4110	0.4080		0.3705	0.3573		0.3615	0.3780
	0.3846	0.3660		0.3774	0.3878		0.3807	0.4020
G22	0.3705	0.3573	H11	0.3615	0.3780	H04	0.3634	0.3910
	0.3675	0.3435		0.3590	0.3625		0.3615	0.3780
	0.3803	0.3515		0.3740	0.3730		0.3774	0.3878
	0.3895	0.3820						
G13	0.3740	0.3730						
	0.3705	0.3573						
	0.3846	0.3660						

	CIE-X	CIE-Y		CIE-X	CIE-Y		CIE-X	CIE-Y
I21	0.3438	0.3378	I12	0.3288	0.3525	J22	0.3090	0.3041
	0.3293	0.3247		0.3153	0.3390		0.2991	0.2920
	0.3294	0.3143		0.3167	0.3259		0.3013	0.2849
	0.3428	0.3254		0.3290	0.3387		0.3106	0.2955
	0.3452	0.3528		0.3287	0.3658		0.3067	0.3150
I14	0.3290	0.3387	I03	0.3140	0.3520	J13	0.2960	0.3021
	0.3293	0.3247		0.3153	0.3390		0.2991	0.2920
	0.3438	0.3378		0.3288	0.3525		0.3090	0.3041
	0.3465	0.3680		0.3181	0.3138		0.3042	0.3270
I11	0.3288	0.3525	J21	0.3090	0.3041	J12	0.2930	0.3128
	0.3290	0.3387		0.3106	0.2955		0.2960	0.3021
	0.3452	0.3528		0.3192	0.3049		0.3067	0.3150



I04	0.3477	0.3806	J14	0.3167	0.3259	J03	0.3020	0.3385
	0.3287	0.3658		0.3067	0.3150		0.2900	0.3230
	0.3288	0.3525		0.3090	0.3041		0.2930	0.3128
	0.3465	0.3680		0.3181	0.3138		0.3042	0.3270
I22	0.3293	0.3247	J11	0.3153	0.3390	J04	0.3140	0.3520
	0.3181	0.3138		0.3042	0.3271		0.3020	0.3385
	0.3192	0.3049		0.3067	0.3150		0.3042	0.3270
	0.3294	0.3143		0.3167	0.3259		0.3153	0.3390
I13	0.3290	0.3387						
	0.3167	0.3259						
	0.3181	0.3138						
	0.3293	0.3247						

Notes : *The C.I.E. 1931 chromaticity diagram (Tolerance ± 0.01).

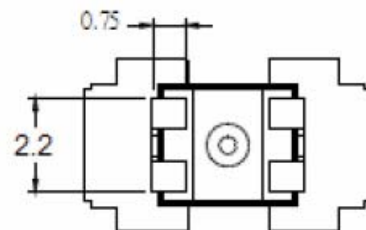
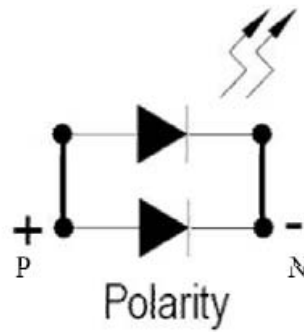
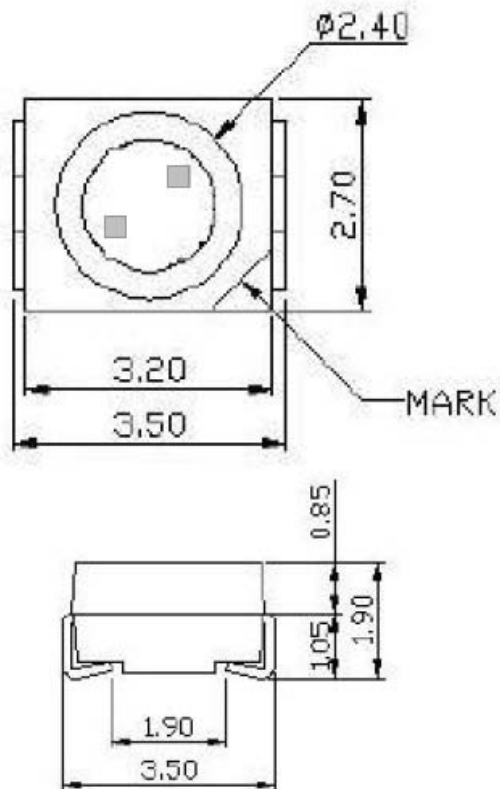


ROYAL LIGHT ELECTRONICS CO., LTD.

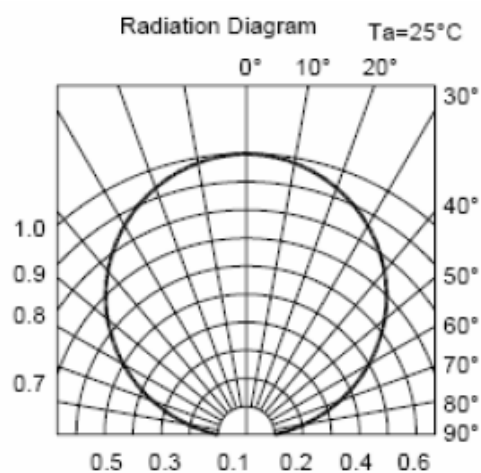
OUTLINE DIMENSIO

TOLERANCE :0.2

UNIT : mm



■ Spatlal Dlstrbution 120°



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