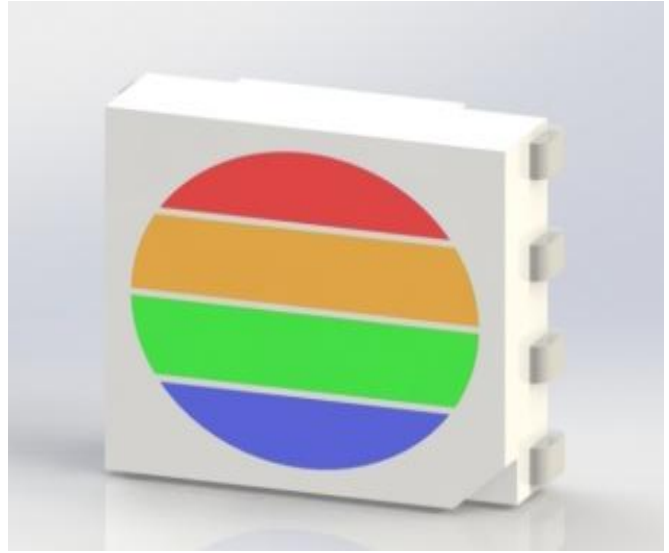


4IN1 Package

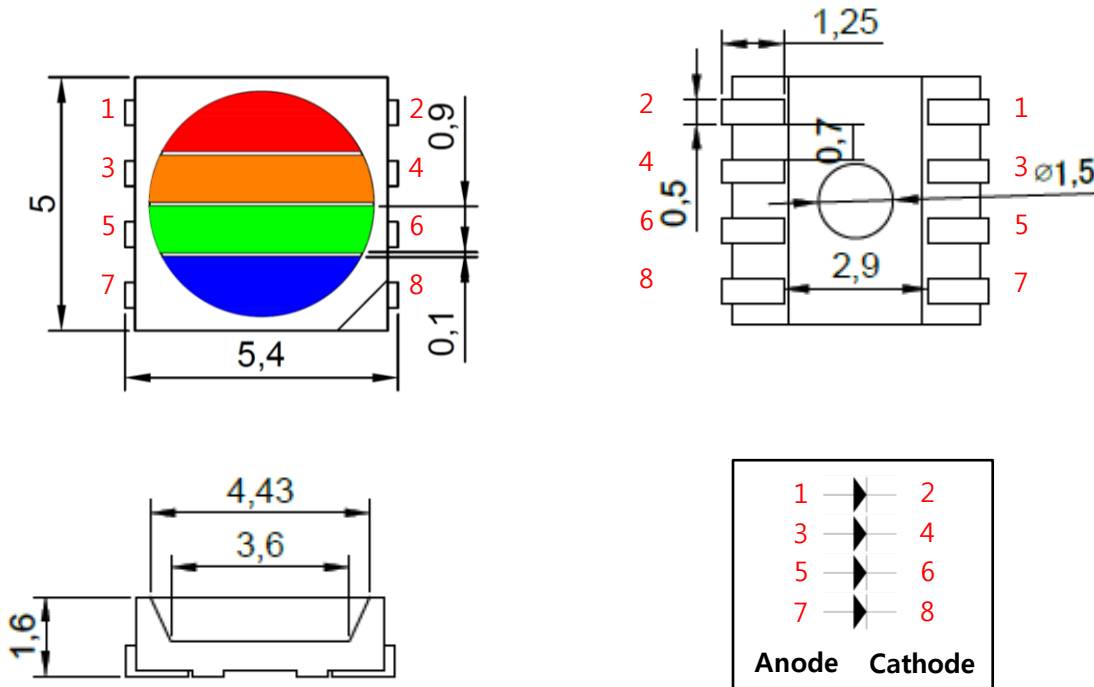
1. Features and Applications



- * 4 different colors available in 1 package
- * Superior color representation and good color distribution
- * Indoor Decorative lighting & multiple colors tunable lighting
- * External dimensions of package (mm) : 5.4(L) x 5.0(W) x 1.6(H)

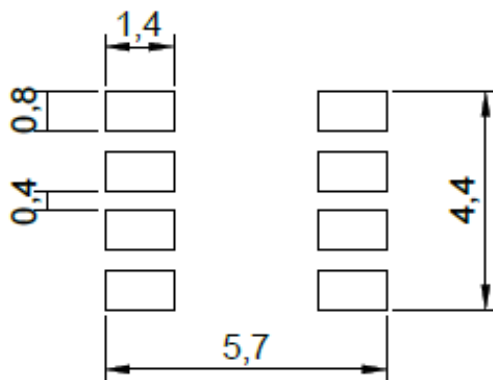
► Dimensions of Package

Unit : mm
Tolerance : ± 0.1



Soldering Pad

Unit : mm
Tolerance : ± 0.1

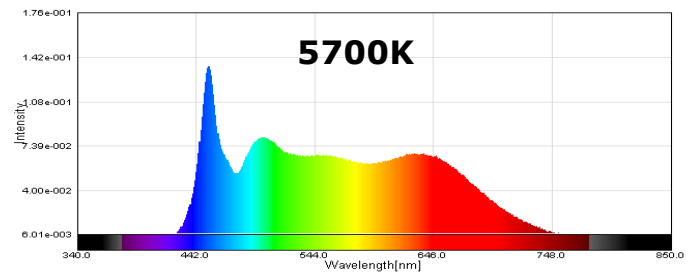
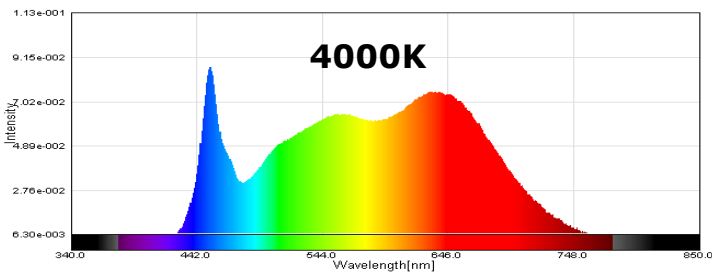
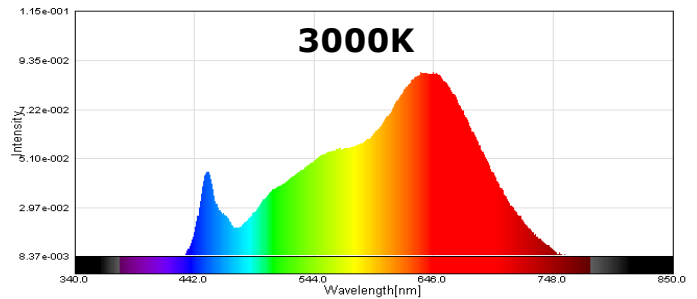
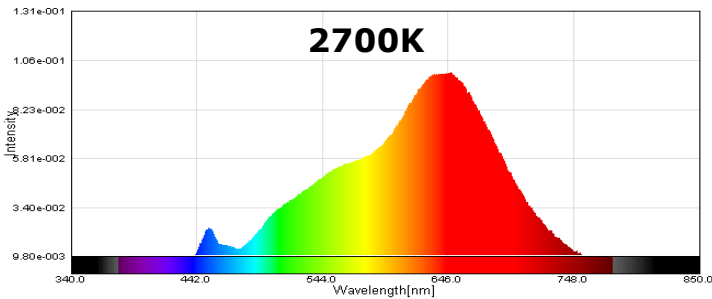


4IN1 (2700K/3000K/4000K/5700K)

1. Characteristics

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	3.0	3.2	V
Luminous Flux	$\Phi_V(2700\text{K})$	$I_F = 20\text{mA}$	-	4.7	-	lm
	$\Phi_V(3000\text{K})$	$I_F = 20\text{mA}$	-	4.9	-	
	$\Phi_V(4000\text{K})$	$I_F = 20\text{mA}$	-	5.2	-	
	$\Phi_V(5700\text{K})$	$I_F = 20\text{mA}$	-	5.7	-	
Color Temperature	CCT	$I_F = 20\text{mA}$	-	2700	-	K
		$I_F = 20\text{mA}$	-	3000	-	
		$I_F = 20\text{mA}$	-	4000	-	
		$I_F = 20\text{mA}$	-	5700	-	
Color Rendering Index	Ra	$I_F = 20\text{mA}$	-	95	-	

2. Spectrum



3. Color rank

ANSI Type.

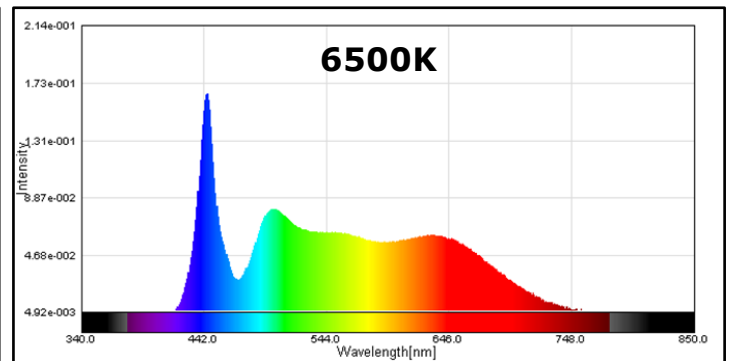
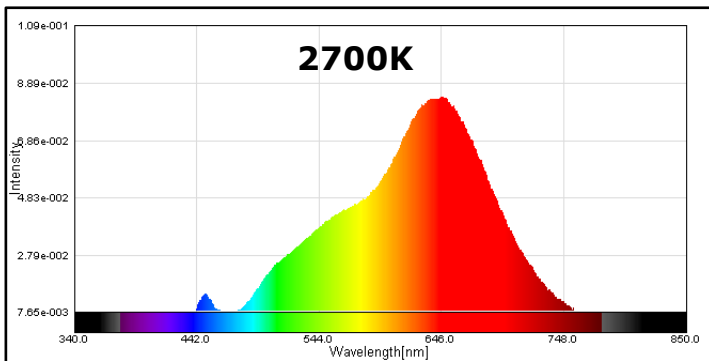


4IN1 (2700K/6500K)

1. Characteristics

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	3.0	3.2	V
Luminous Flux	$\Phi_V(2700\text{K})$	$I_F = 20\text{mA}$	-	4.3	-	lm
	$\Phi_V(6500\text{K})$	$I_F = 20\text{mA}$	-	5.3	-	lm
Color Temperature	CCT	$I_F = 20\text{mA}$	-	2700	-	K
		$I_F = 20\text{mA}$	-	6500	-	K
Color Rendering Index	Ra	$I_F = 20\text{mA}$	-	95	-	

2. Spectrum



3. Color rank

CCT:2,700K		CCT:6,500K	
CIE-x	CIE-y	CIE-x	CIE-y
0.4562	0.4260	0.3068	0.3113
0.4373	0.3893	0.3028	0.3304
0.4593	0.3944	0.3205	0.3481
0.4813	0.4319	0.3221	0.3261

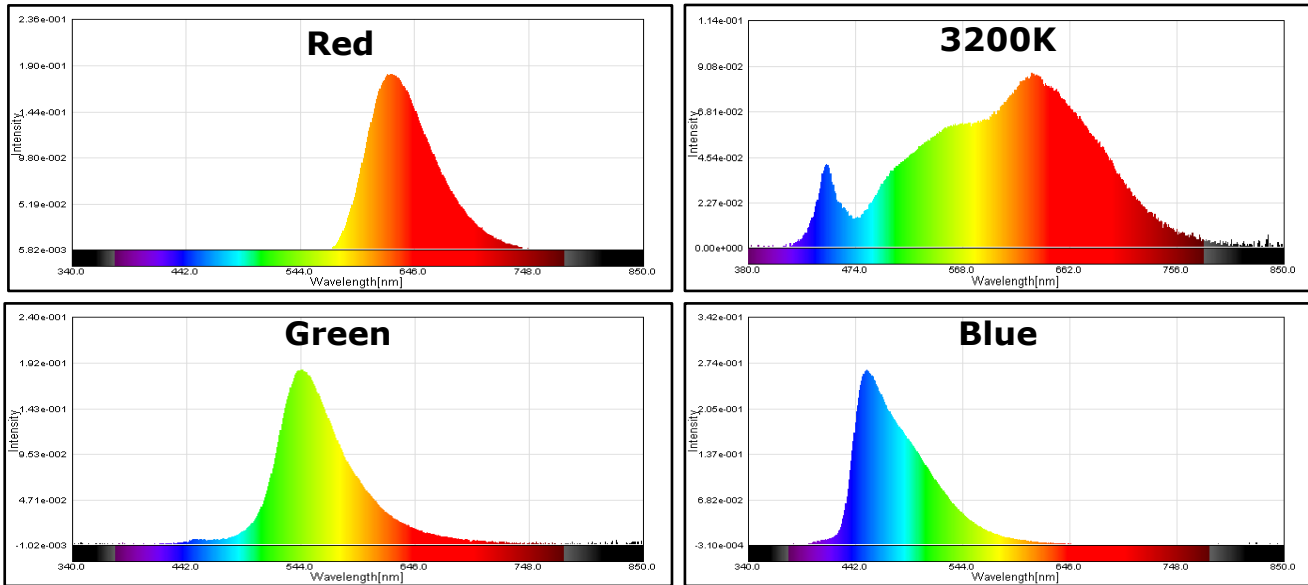


4IN1 (RGBW)

1. Characteristics of Package

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F(\text{RWG})$	$I_F=20\text{mA}$	-	3.0	3.2	V
	$V_F(\text{B})$	$I_F=20\text{mA}$	-	3.2	3.4	V
Luminous Intensity	$I_V(\text{R})$	$I_F=20\text{mA}$	-	1,028	-	mcd
	$I_V(\text{W})$	$I_F=20\text{mA}$ (3,200K, Ra96)	-	1,745	-	
	$I_V(\text{G})$	$I_F=20\text{mA}$	-	2560	-	
	$I_V(\text{B})$	$I_F=20\text{mA}$	-	1305	-	

2. Spectrum



3. Color rank

CCT:3,200K		Color	Symbol	Condition	Typ.	Unit
CIE-x	CIE-y	Red	Wd	$I_F=20\text{mA}$	620	nm
0.4018	0.3752	Green		$I_F=20\text{mA}$	544	
0.4148	0.4090	Blue		$I_F=20\text{mA}$	453	
0.4431	0.4213					
0.4260	0.3854					



4IN1 (Plant growth)

1. Characteristics

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	3.0	3.2	V
Luminous Intensity	$I_V(R)$	$I_F = 20\text{mA}$	-	470	-	mcd
	$I_V(B)$	$I_F = 20\text{mA}$	-	300	-	mcd
Dominant Wavelength	Wd	$I_F = 20\text{mA}$	-	620	-	nm
		$I_F = 20\text{mA}$	-	457	-	nm

2. Spectrum

