

Testing

ANSI Standard

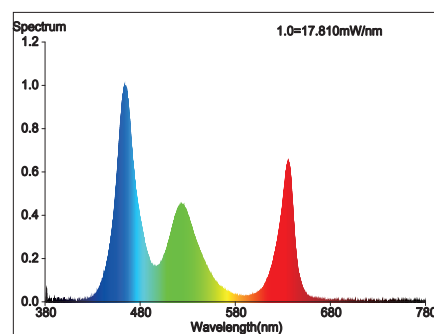
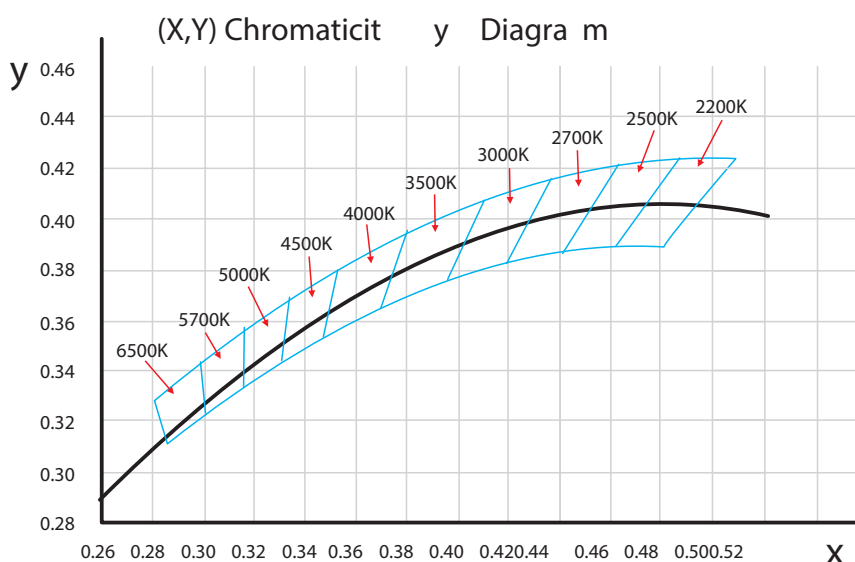
Nominal CCT Categories (2200-6500K)

Nominal CCT	Target CCT and tolerance(K)	Target D_{uv}	D_{uv} Tolerance Range
2200K	2238 ±102	0.0000	T_x :CCT of the source
2500K	2460±120	0.0000	For $T_x < 2870K$
2700K	2725 ±145	0.0000	0.000 ± 0.0060
3000K	3045±175	0.0001	For $T_x \geq 2870K$
3500K	3465±245	0.0005	$D_{uv}(T_x) \pm 0.0060$
4000K	3985±275	0.0010	where
4500K	4503±243	0.0015	$D_{uv}(T_x) = 57700 \times (1/T_x)^2$
5000K	5029±283	0.0020	$-44.6 \times (1/T_x)$
5700K	5667±355	0.0025	$+0.00854$
6500K	6532±510	0.0031	
Flexible CCT	$T_F^{(1)} \pm \Delta T^{(2)}$	$D_{uv} T_F^{(3)}$	

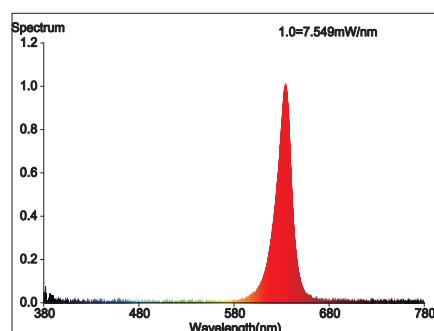
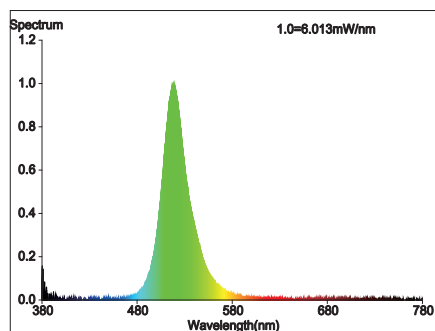
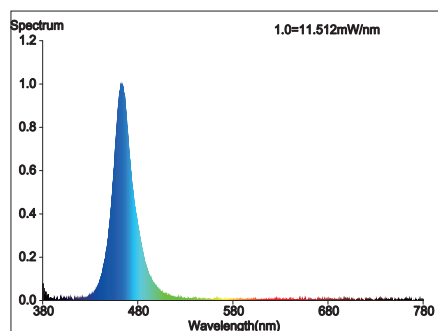
Remark:

- 1) T_F is chosen to be at 100K steps (2300,2400,.....,6400K),excluding the ten nominal CCTs listed in Table 1.
- 2) $\Delta T = 1.1900 \times 10^8 \times T^3 - 1.5434 \times 10^4 \times T^2 + 0.7168 \times T - 902.55$
- 3) Same as in the D_{uv} Tolerance Range.

White Color Charts



Photometric



1. Wave Length: Red 630 nm, Green 520 nm, Blue 450 nm

2. Lumen Output: F15 RGB: Red 332lm, Green 99.18lm/mt, Blue 21.48lm/mt