

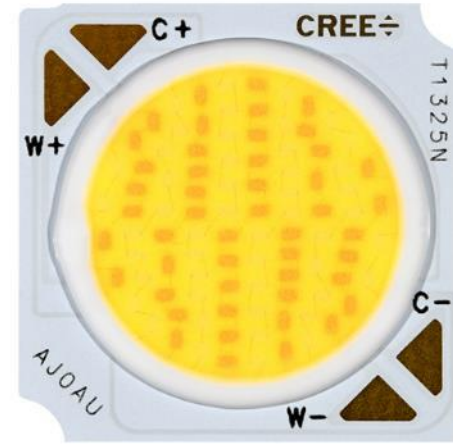


XLamp[®] CTW Tunable White LEDs – Downlight Reference Design



XLamp® CTW Tunable White LEDs – Downlight Reference Design

Specifications	Downlight
LED	CTW1325, 13mm LES
2-Channel CCT Range	Channel 1: 6500K 90 CRI Channel 2: 2700K 90 CRI
CRI	90+
Lumens	2700
Optics	Off-the-shelf Reflector/Diffuser
Driver	Custom Driver
User Interface	2 analog sliders to adjust CCT & Brightness

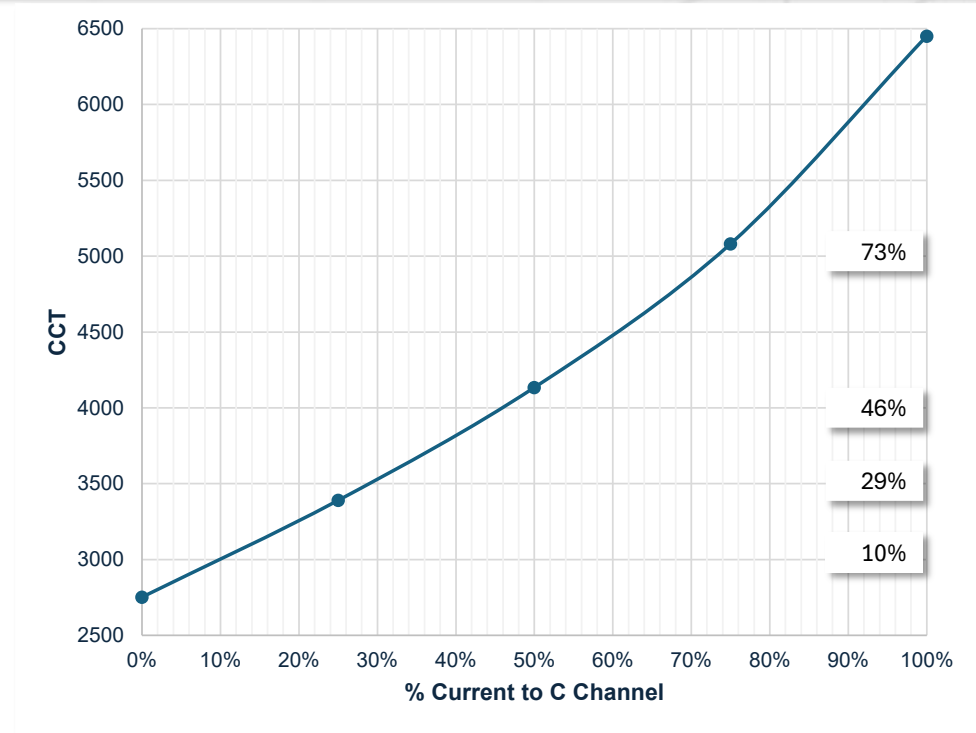
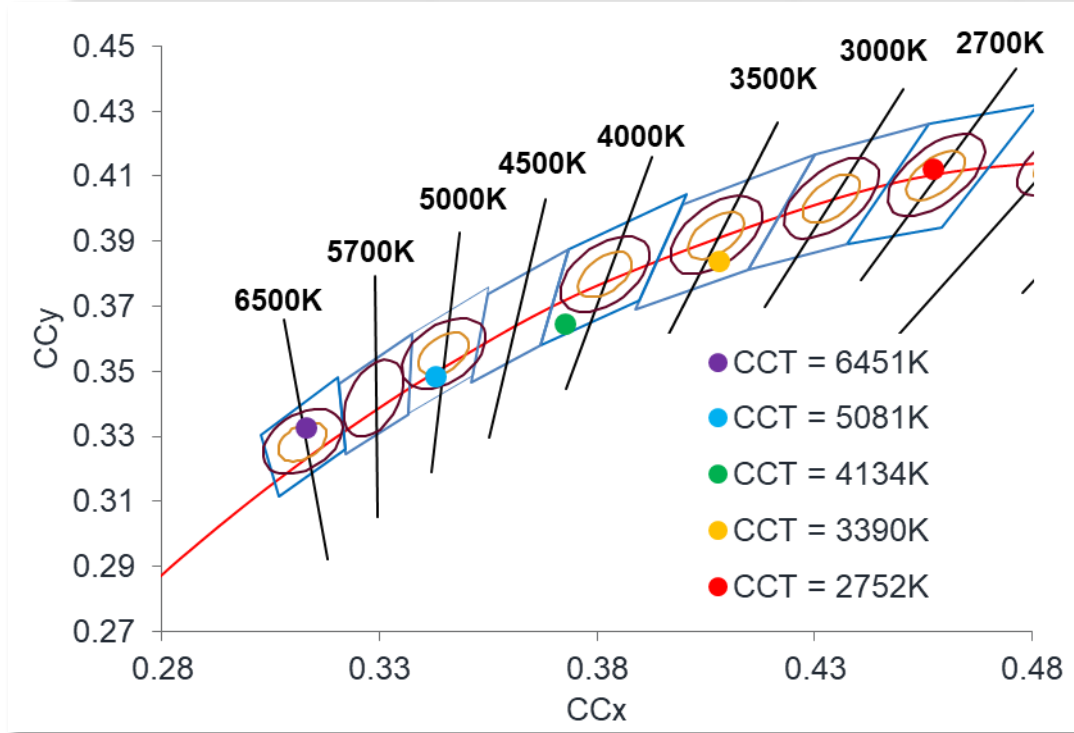


Measurements

CCT Setting	CCT (K)	Duv (steps)	Lf (lm)	CRI Ra	CRI R9	TM-30 Rf	TM-30 Rg	TM-30 Rank
Warm	2752	+2	2,587	94	57	92	97	P2 V- F2
Middle	4100	-1	2,740	96	74	93	100	P2 V- F2
Cool	6250	+7	2,979	90	53	89	97	P2 V- F3

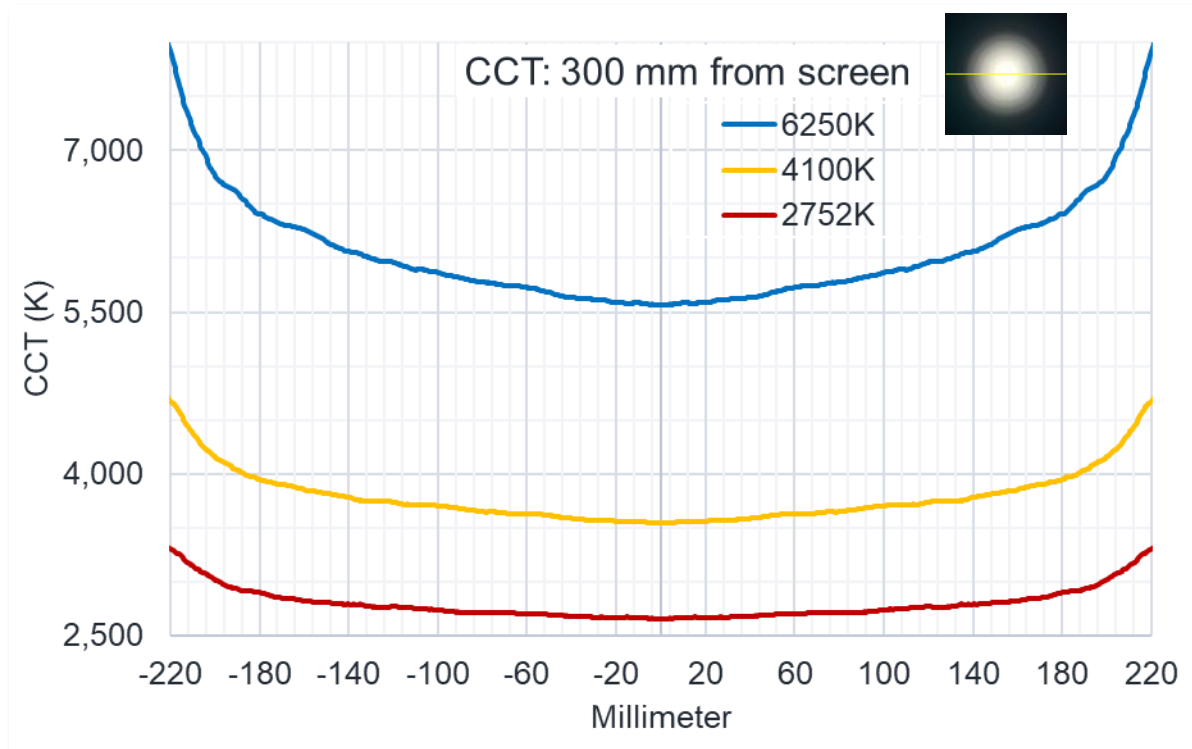
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C Channel (mA)	W Channel (mA)	LF	CCT	Duv	CRI (Ra)	TM30 (Rf)	TM30 (Rg)
800	0	2,993	6451	0.005	91	90	97
600	200	3,095	5081	-0.001	95	92	100
400	400	3,057	4134	-0.003	96	92	99
200	600	2,885	3390	-0.003	95	92	99
0	800	2,578	2752	0.001	93	91	96



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Excellent color uniformity



Cool White
6250K



Neutral White
4100K



Warm White
2752K





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