

LTCOBI1313905727LT
13 x13 Color Tuneable COB



Dimensions	13.25 x 13.25mm
LES	6mm (OD)
Maximum Voltage	10V
Typical Power	≈6.3W
Typical Efficacy	≈100lm/W
Channels	Dual Channel
Tunable CCT	2200K - 6600K
Typical CRI	90+
Maximum Lumens	≈ 315lm



LTF’s U.S. Patented QLUX Light Tune Series COB LEDs offer endless possibilities for lighting OEMs and designers. With industry-leading adjustable CCT range, high efficacy, superior color rendering, and the best color-over-angle performance built into all QLUX LED light sources. Light Tune COBs let you dial in the perfect illumination for any architectural lighting application.

FEATURES

- Adjustable CCT for human-centric lighting and circadian health
- Dial in the perfect color temperature and brightness for any setting
- Drop-in replacement for popular COB form factor
- Superior color rendering performance
- Excellent spatial color uniformity and color over angle

APPLICATIONS

For architectural, residential, hospitality, retrofit, and general lighting fixtures.

- Spot lighting
- Down lighting
- Recessed can lighting
- Ceiling lighting
- Wall sconces
- Table lamps
- Pendants
- Track heads

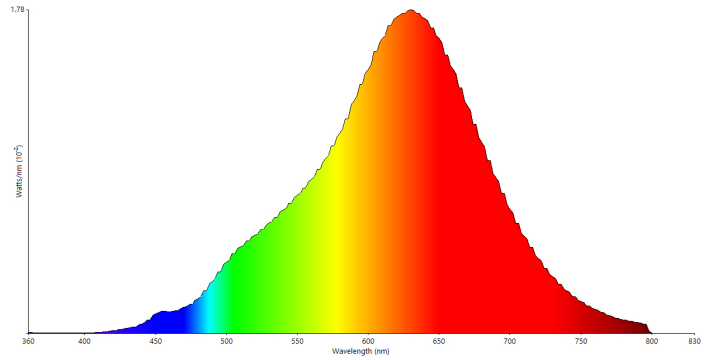
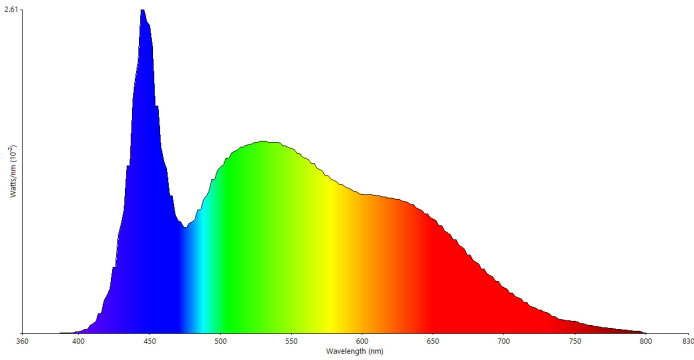
MODEL SPECIFICATIONS

Tunable CCT	Power	Current		Voltage		Luminous Flux	CRI	R9
		Warm If (mA)	Cool If (mA)	Warm Vf (V)	Cool Vf (V)			
Warm Channel Only - 2200K	2.4W	280mA	--	8.6V	--	210lm	93	60
Cool Channel Only - 6600K	2.6W	--	300mA	--	8.7V	315lm	92	69
Both Channels - 3500K	6.1W	410mA	290mA	8.8V		570lm	97	90

SPECTRORADIOMETRIC

6500K

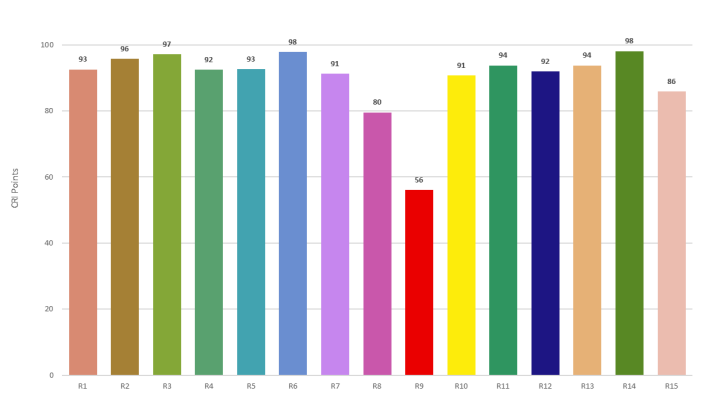
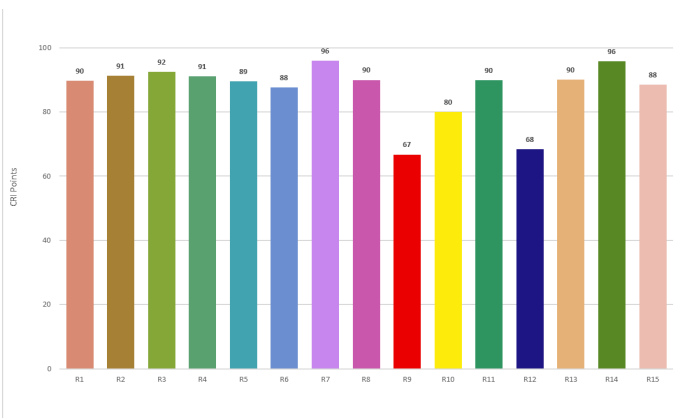
2200K



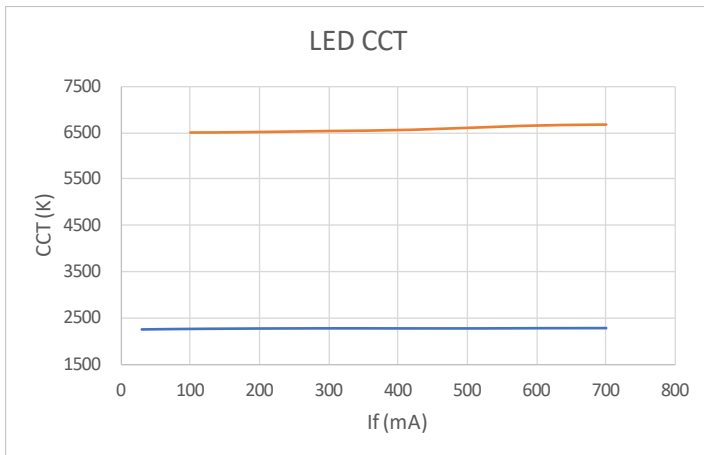
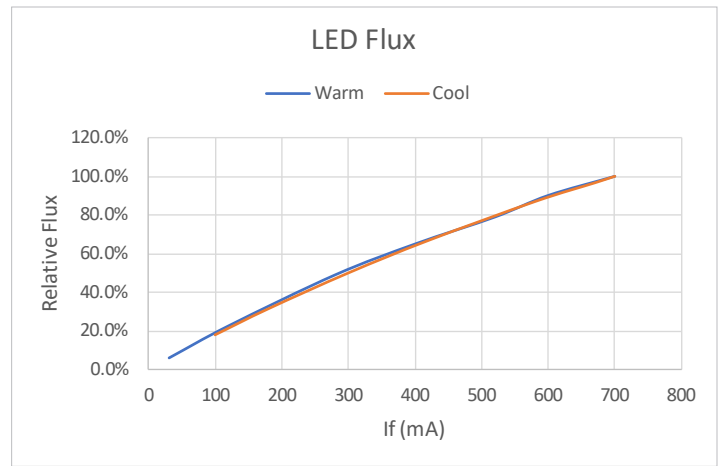
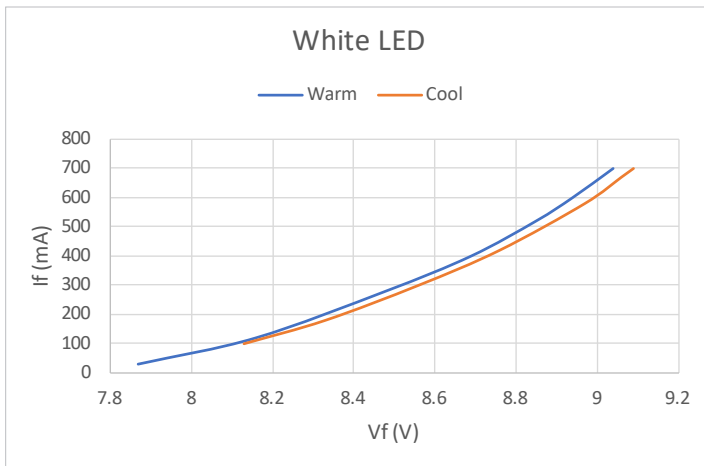
CRI CHART

6500K

2200K



DIMMING CURVES



ABSOLUTE MAXIMUM RATINGS

Parameter	Maximum Rating	
Allowable Reverse Current (I _R)	20mA	
ESD Withstand Voltage (HBM)	8kV	
LED Junction Temperature (T _J)	130°C	
Storage Temperature	-40°C to +125°C	
Operating Case Temperature (T _c)	100°C	
Soldering Temperature	380°C or lower, 5 seconds max.	
Maximum Total Drive Current	700 mA	
Maximum Drive Current Per Channel	Warm Channel	Cool Channel
	700mA	700mA
Maximum Total Power	8W	

MECHANICAL SPECS

LIGHT EMITTING SURFACE	DIMENSIONS
6mm (OD)	13.25 x 13.25mm

