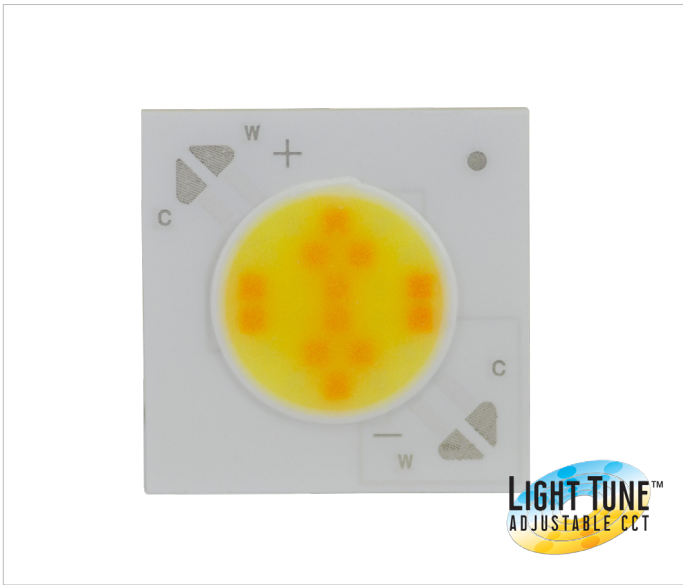


LTCOBI1616905727LT
16 x16 Color Tuneable COB



Dimensions	15.75 x 15.75mm
LES	9mm (OD)
CSP Array	1201
Chip Array	1201
Typical Voltage	36V
Typical Power	≈11W
Typical Efficacy	≈85lm/W
Channels	Dual Channel
Tunable CCT	2200K - 6600K
Typical CRI	90+



Color tunable QLUX Light Tune Series COB LEDs by LTF are based on Flip-Chip and Chip Scale Packaging technology with high reliability, flux density, and spatial color uniformity.

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

Use 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

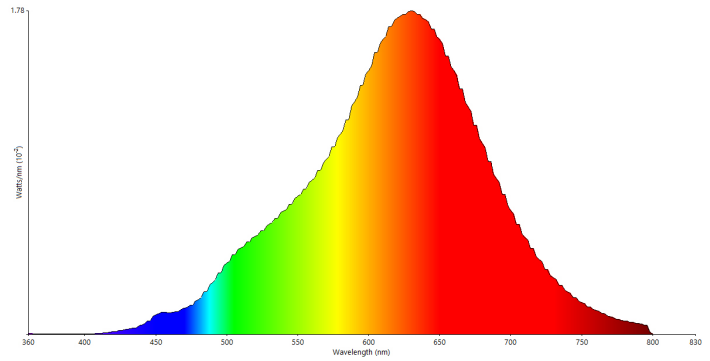
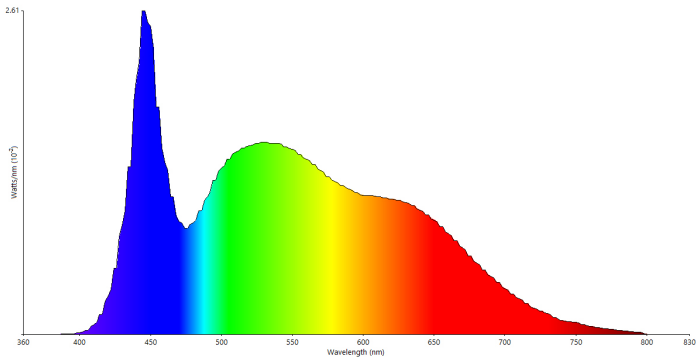
MODEL SPECIFICATIONS

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	10.6W	300mA	--	35.5V	--	746lm	92	56
Cool Channel Only - 6600K	12.2W	--	335mA	--	36.5V	1079lm	90	64
Both Channels - 3500K	11.5W	200mA	150mA	36V		1123lm	97	94

SPECTRORADIOMETRIC

6500K

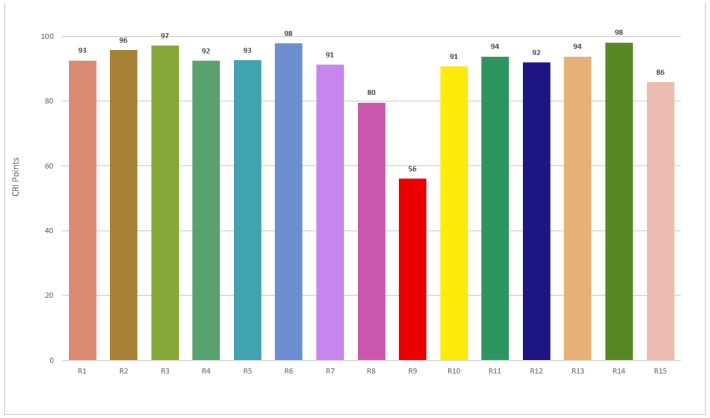
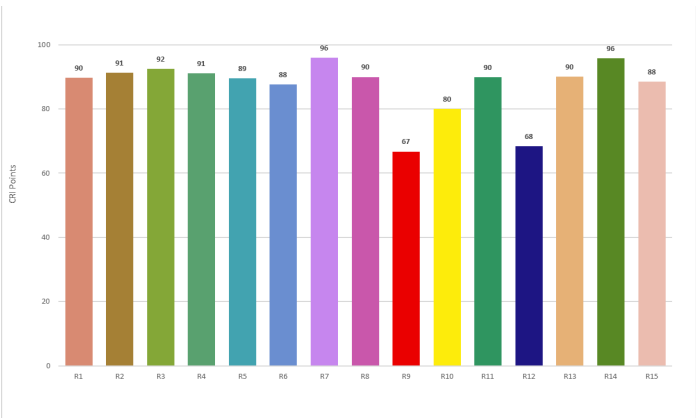
2200K



CRI CHART

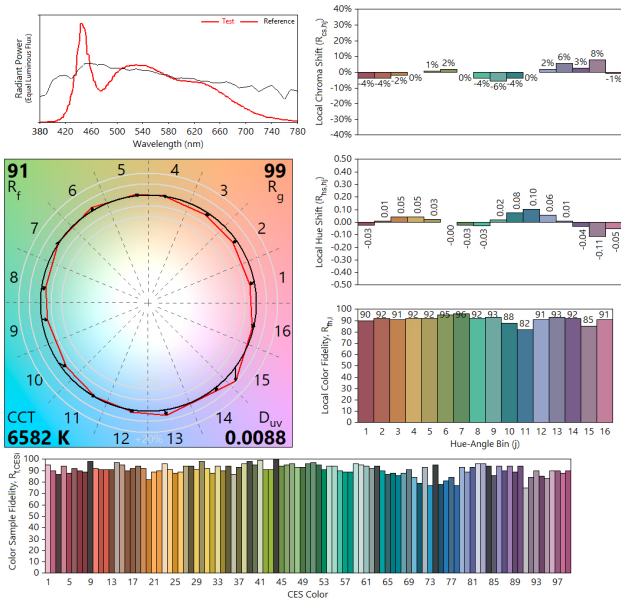
6500K

2200K

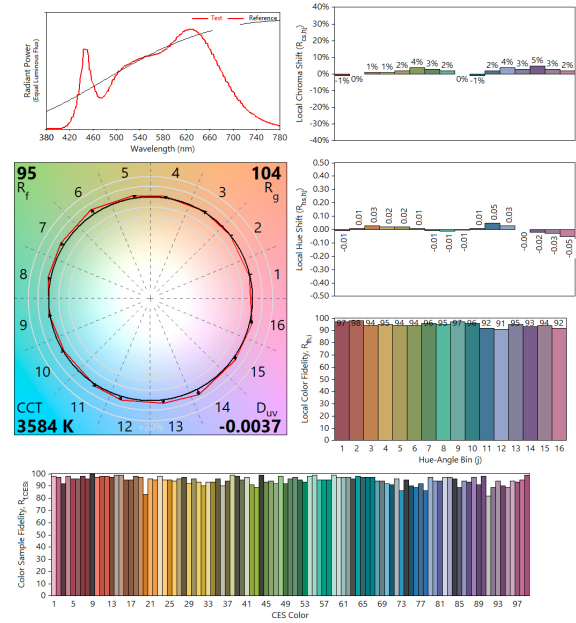


TM 30 CHART

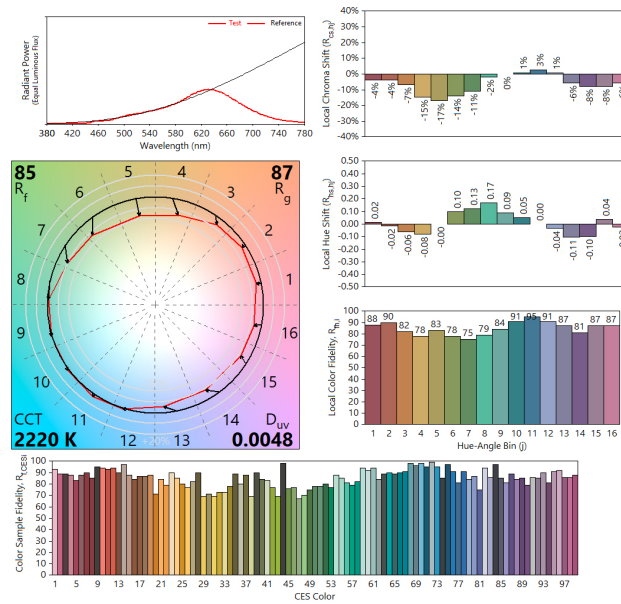
6500K



3500K

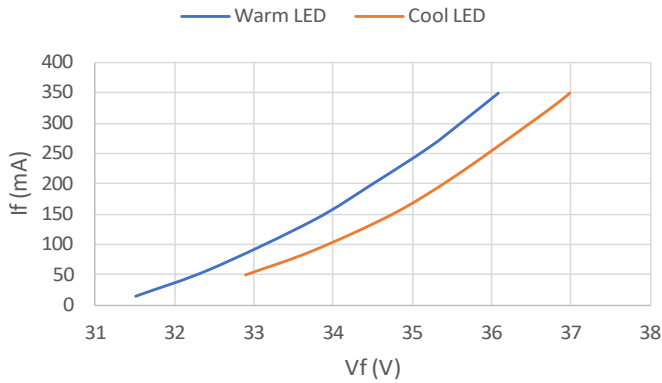


2200K

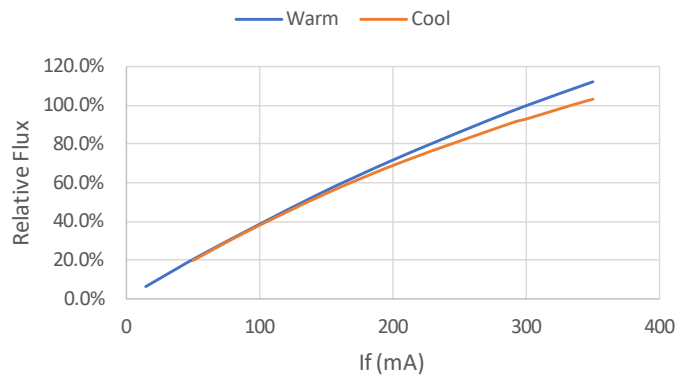


DIMMING CURVES

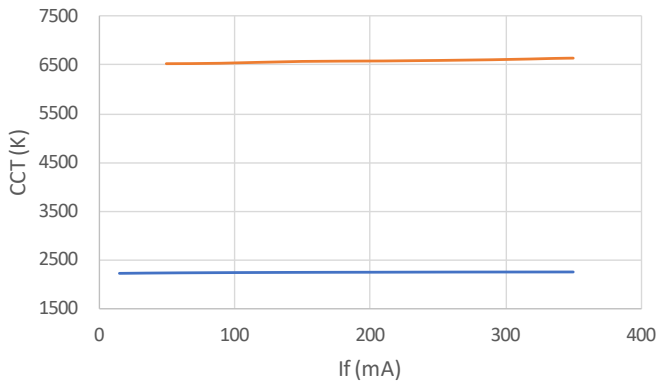
White LED



White LED Flux



CCT vs IF



ABSOLUTE MAXIMUM RATINGS

Parameter	Maximum Rating	
Allowable Reverse Current (I_R)	5mA	
ESD Withstand Voltage (HBM)	8kV	
LED Junction Temperature (T_J)	125°C	
Storage Temperature	-40°C to +105°C	
Operating Case Temperature (T_c)	105°C	
Soldering Temperature	300°C or lower, 6 seconds max.	
Maximum Total Drive Current	350 mA	
Maximum Drive Current Per Channel	Warm Channel	Cool Channel
	350 mA	350 mA
Maximum Total Power	12 W	

MECHANICAL SPECS

LIGHT EMITTING SURFACE	DIMENSIONS
9mm (OD)	15.75 x 15.75mm

