

QLUXCOBI181893220WD

18x18 Dim to Warm COB

QLUX COB



U.S. Patent
Protected

DIM to WARM
3200K to 2000K

Typical Lumens	2250lm
Typical Wattage	24W
CRI	95+
R9	75+
CCT Range	3200K - 2000K
Dimming	CCR (constant current reduction)



RoHS



QLUX COB mimics the color shift of an incandescent source during dimming by a single phase dimmer. Also available in line voltage models.

FEATURES

- Precise light output with no additional need for complicated control system or multiple optics
- Dim-to-Warm feature enables light to transform from vibrant 3200K CCT down to a warm, cozy 2000K as it is dimmed
- High color rendering index (CRI) Ra 95+, R9 75+, TLCI 2012 97
- LM-80 compliant LEDs, 9,000 hours completed
- Tight binning 3 step Mac Adam Ellipses
- Uniform and crisp light source intensity
- Low heat generation, easy thermal management
- Easy to fit in new design or retrofit applications
- Customizable CCT and dimming curve options

APPLICATIONS

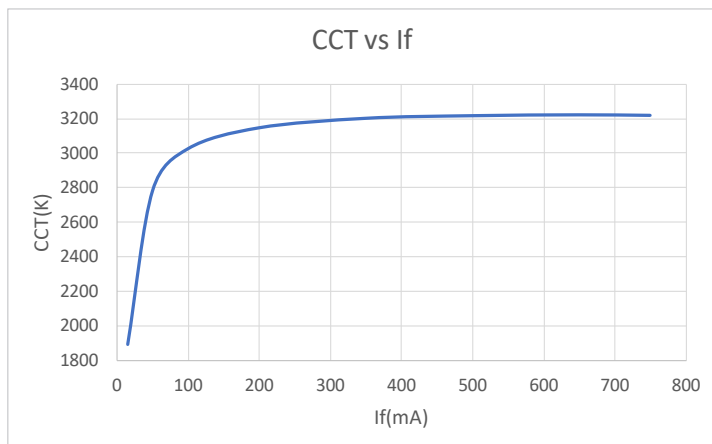
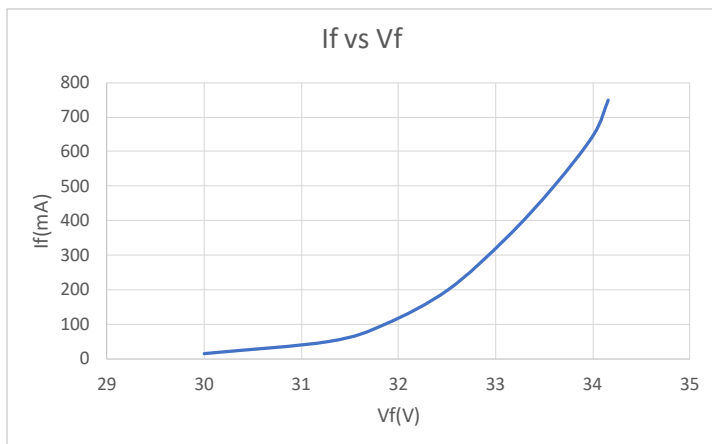
For architectural, residential, hospitality, retrofit, and general lighting fixtures.

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

MODEL SPECIFICATIONS

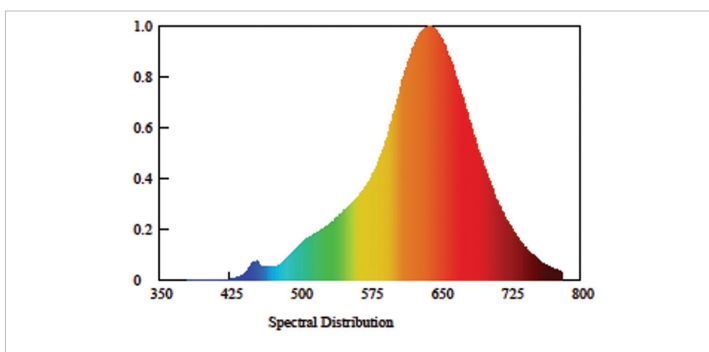
Model Number	Wattage	CCT (No Dim)	CCT (100% Dim)	CRI, R9	Luminous Flux
QLUXCOBI181893220WD	24W	3200K	2000K	95+, 75+	2250lm

DIMMING CURVES

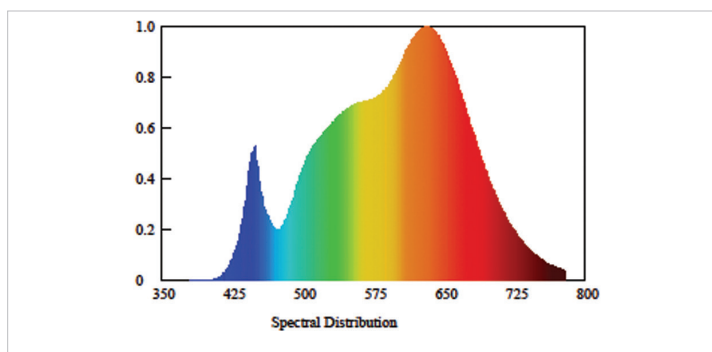


SPECTRORADIOMETRIC CHARACTERISTICS

2000K

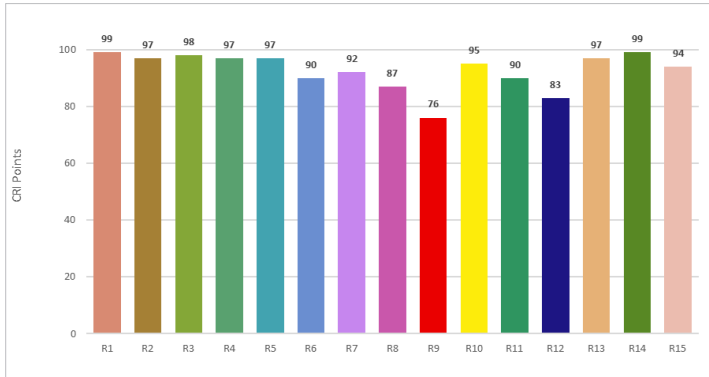


3200K

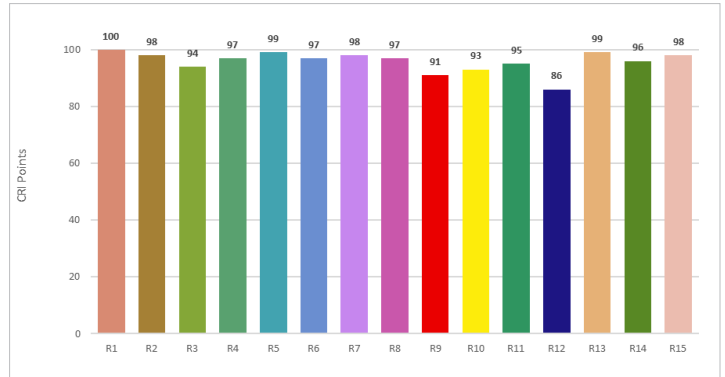


CRI TEST

2000K

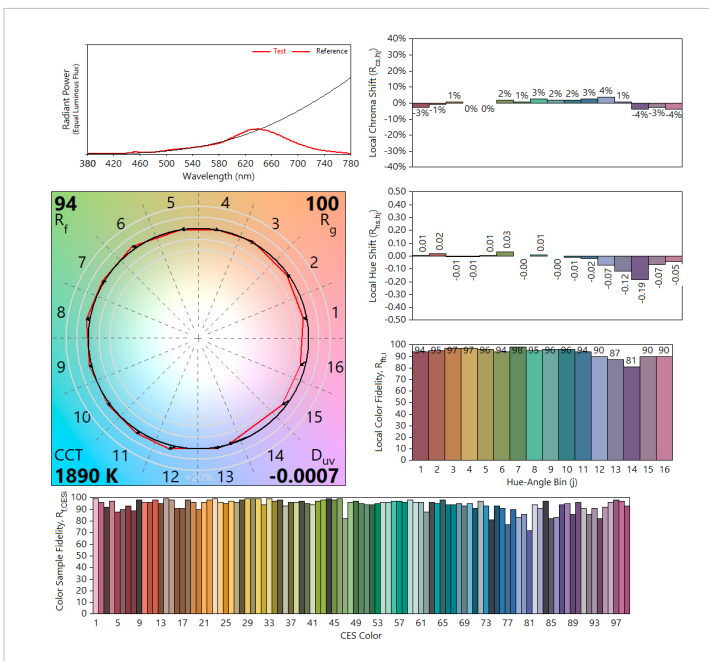


3200K

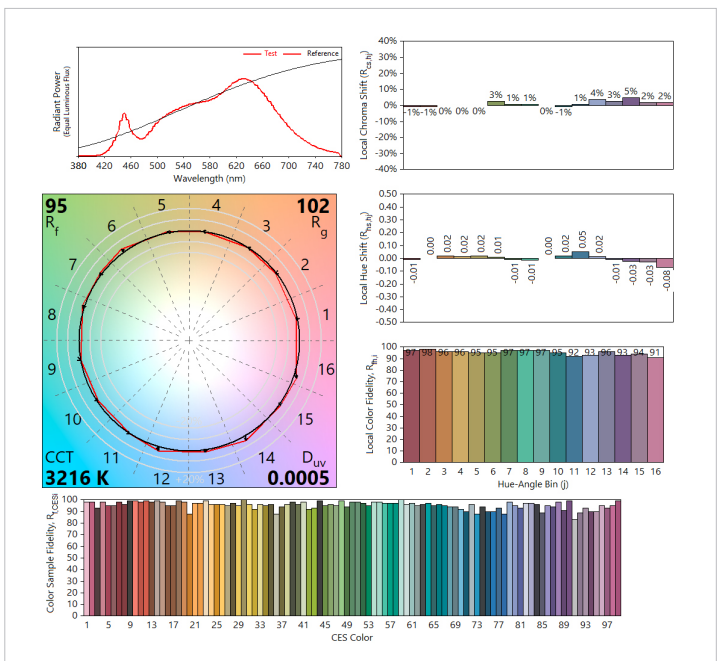


TM30 CHART

2000K



3200K



CHARACTERISTICS (85°C Tj)

CCT	Item	Symbol	Condition	Min.	Typ.	Max.	Unit
2000K	Forward Voltage	VF	15mA		30.0		V
	Luminous Flux	Φ			32		lm
	Chromaticity Coordinates	x			0.5367		--
		y			0.4081		--
	General Color Rendering Index	Ra			75+		--
3200K	Forward Voltage	VF	750mA		34.0		V
	Luminous Flux	Φ			2250		lm
	Chromaticity Coordinates	x			0.4232		--
		y			0.4009		--
	General Color Rendering Index	Ra			97+		--

COMPATIBLE LTF DRIVERS

Model Number	Input Voltage	Input Current	Output Voltage	Output Current	Dimming
DS35W700C3050LI2UD-0000	108-305V	0.35A	30-50V DC	700mA DC	ELV, 0-10V, CL
DA30W700C2542BT-3001	108-132V	0.30A	25-42V DC	700mA DC	ELV, CL

MECHANICAL SPECS

