

QLUXCOBI181893016KWD-PH
Single channel Dim to Warm COB

QLUX COB



Typical Lumens	2170lm
Typical Wattage	24W
CRI	98+
R9	91+
CCT Range	3000K dims to 1600K
Dimming	CCR (constant current reduction)



QLUX COB mimics the color shift of an incandescent source when dimmed 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 3000K CCT down to a warm, cozy 1600K as it is dimmed
- High color rendering index (CRI) Ra 97+, R9 91+, TLCI 2012 98
- 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

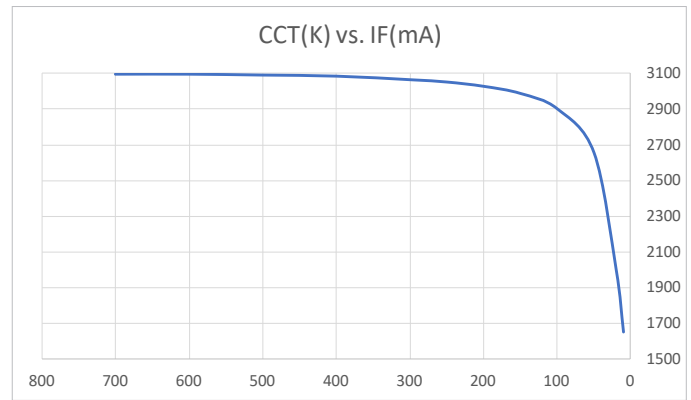
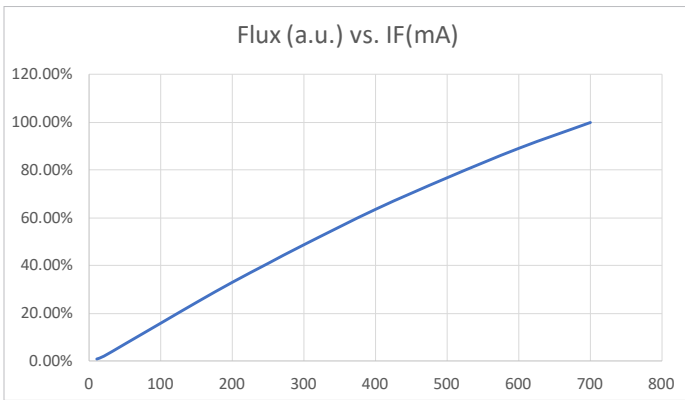
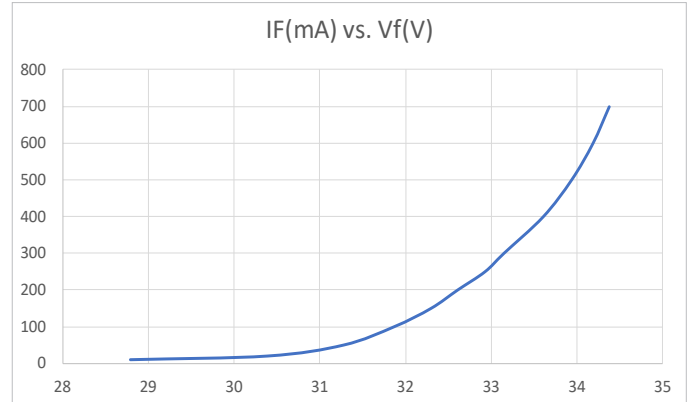
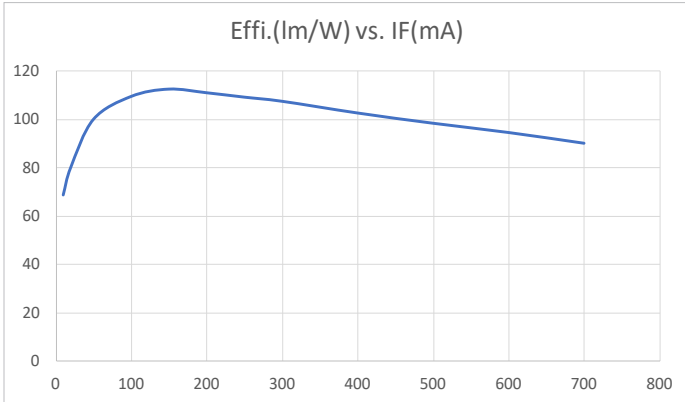
For architectural, residential, hospitality, retrofit, and general lighting fixtures.

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

MODEL SPECIFICATIONS

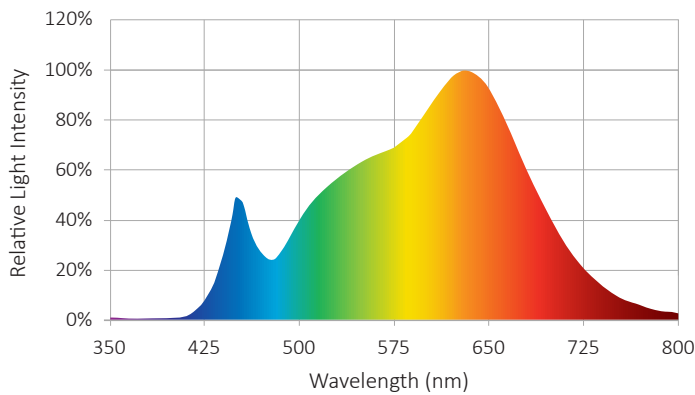
Model Number	Wattage	CCT (No Dim)	CCT (100% Dim)	CRI, R9	Luminous Flux
QLUXCOBI181893016KWD-PH	24W	3000K	1600K	98+, 91+	2170lm

DIMMING CURVES

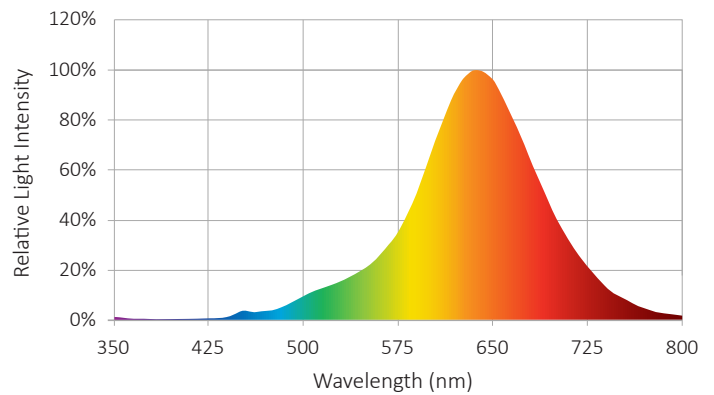


SPECTRORADIOMETRIC CHARACTERISTICS

3000K



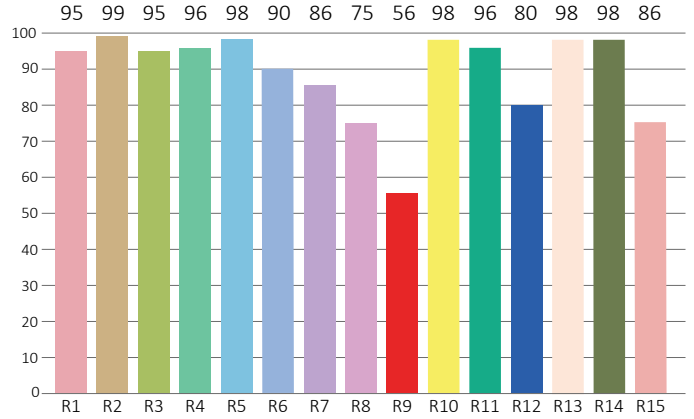
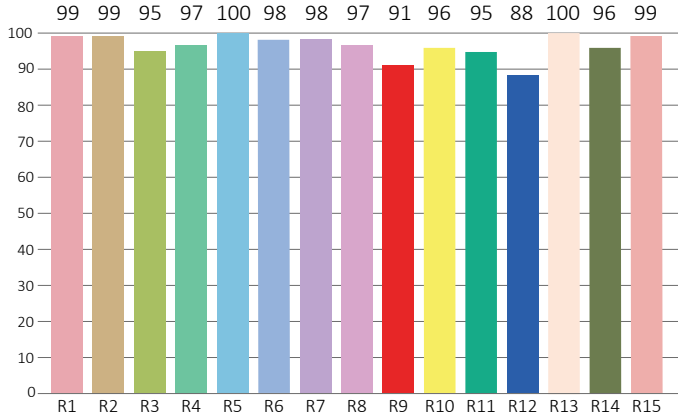
1600K



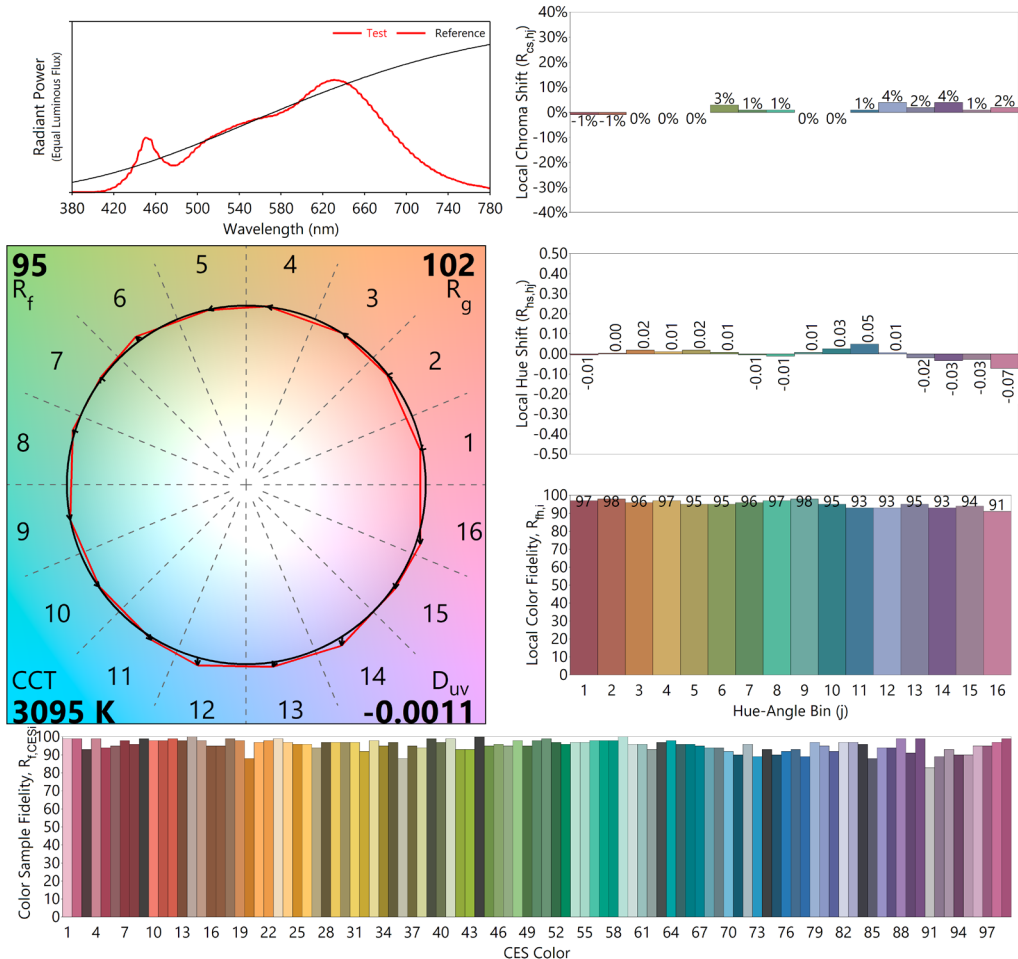
CRI CHARTS

3000K

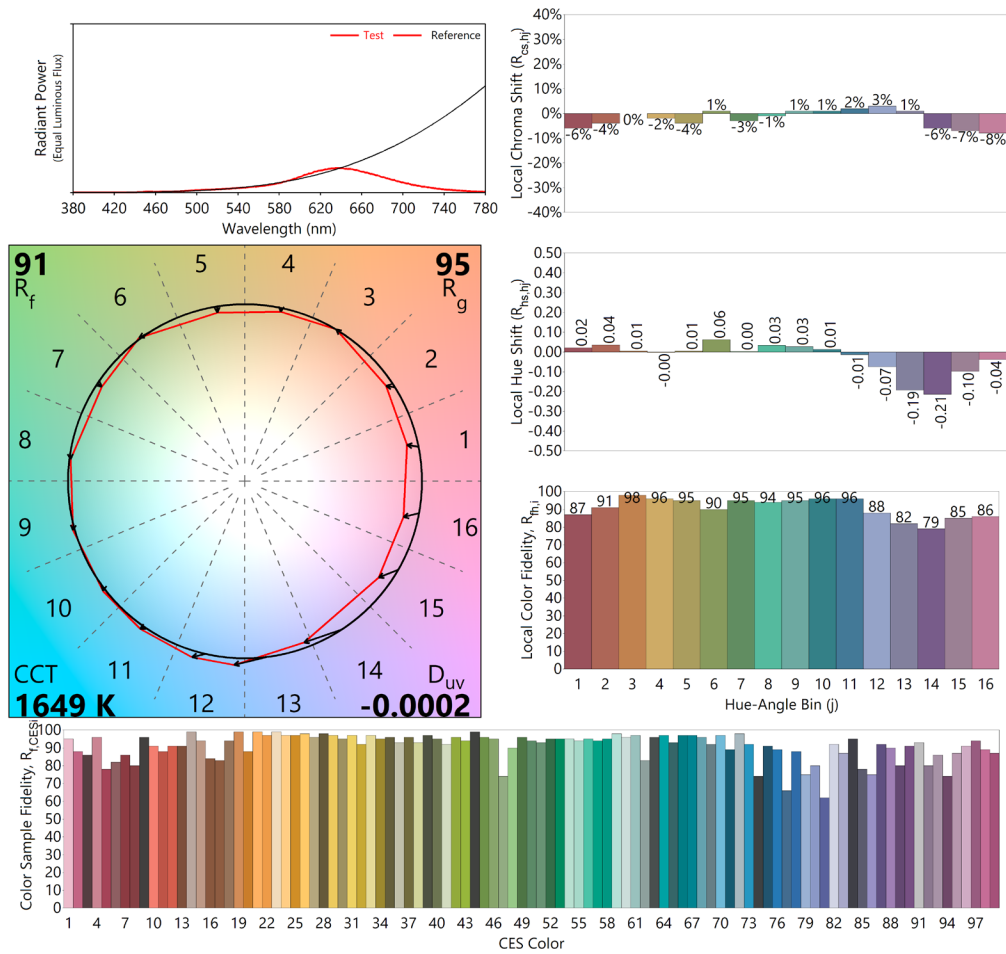
1600K



TM-30 CHART (3000K)



TM-30 CHART (1600K)



CHARACTERISTICS

CCT	Item	Symbol	Condition	Min.	Typ.	Max.	Unit
1600K	Forward Voltage	VF	15mA		30.0		V
	Luminous Flux	Φ			32		lm
	Chromacity Coordinates	x			0.5367		--
		y			0.4081		--
	General Color Rendering Index	Ra		75+		--	
3000K	Forward Voltage	VF	750mA		34.0		V
	Luminous Flux	Φ			2250		lm
	Chromacity 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	108V - 305V	0.35A	30V - 50V DC	700mA DC	ELV, 0-10V, CL
DA30W700C2542-3001	108V - 132V	0.30A	25V - 42V DC	700mA DC	ELV, CL
DS30W700C2042SM2UD	100V - 305V	0.30A	20V - 42V DC	700mA DC	ELV, CL, 0-10V

MECHANICAL SPECS

Board Dimensions	Light Emitting Surface
17.75 x 17.75mm	14mm (OD)

