

QLUXCOBI15129 SERIES
COBI 1512 12W Single CCT COB

QLUX COB



Typical Lumens	1200lm
Typical Wattage	12W
CRI	98
R9	89+
CCT Range	2700K, 3000K, 6000K
Dimming	CCR (constant current reduction)



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
- High color rendering index (CRI) Ra 98, R9 89+
- LM-80 compliant LEDs, 9,000 hours completed
- Tight binning 3 step Mac Adam Ellipses
- Uniform and crisp light source intensity
- Exceeds ENERGY STAR lumen maintenance requirements
- Extra thin low profile
- 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

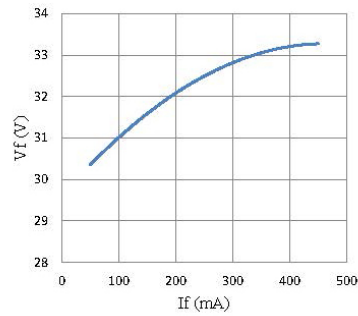
Model Number	Wattage	CCT	CRI, R9	Luminous Flux
QLUXCOBI15129027	12W	2700K	98/93	1271lm
QLUXCOBI15129030	12W	3000K	98/89	1245lm
QLUXCOBI15129060	12W	6000K	98/89	1245lm

COMPATIBLE LTF LED DRIVERS

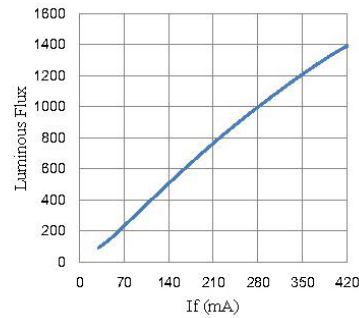
Model Number	Input Voltage	Input Current	Output Voltage	Output Current	Dimming
DA15W350C1042-3001	120V AC 50/60Hz	0.125 A	10-42V DC	350mA	Triac/ELV
DA15W350C1842D010	120V AC 50/60Hz	0.125 A	18-42V DC	350mA	Triac/ELV/0-10V
DE15W350C1842D010	277V AC 50/60Hz	0.054 A	18-42V DC	350mA	Triac/ELV/0-10V
DS15W350C1042UD	100-305V AC 50/60Hz	0.15A	10-42V DC	350mA	Triac/ELV/0-10V
DL115W350C	12V AC/DC 50/60 Hz	0.05 A	18-42V DC	350mA	ELV/Magnetic ELV
DL215W350C	24V AC/DC 50/60 Hz	0.05 A	18-42V DC	350mA	ELV/Magnetic ELV

DIMMING CURVES

Forward Current vs. Forward Voltage
(Tc=25°C)

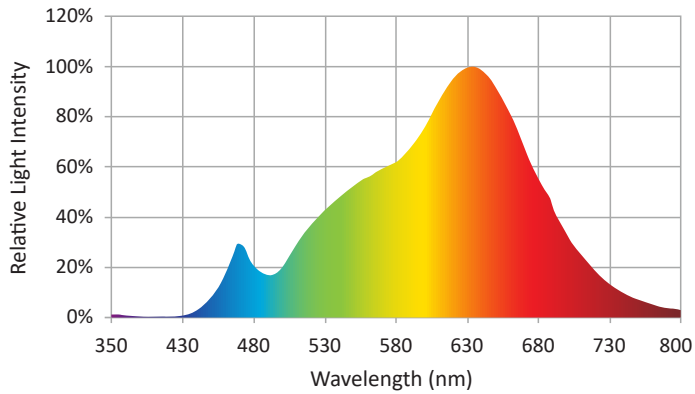


Forward Current vs. Relative Luminous Flux
(Tc=25°C)

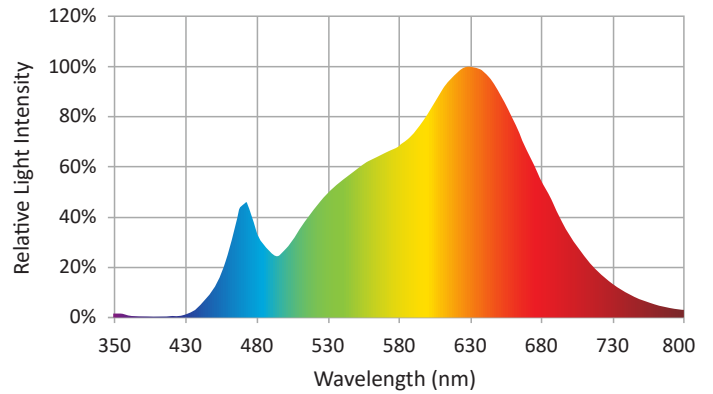


SPECTRORADIOMETRIC CHARACTERISTICS

2700K



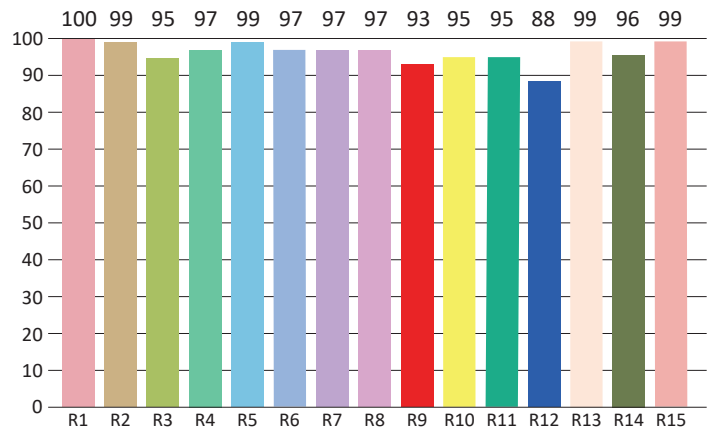
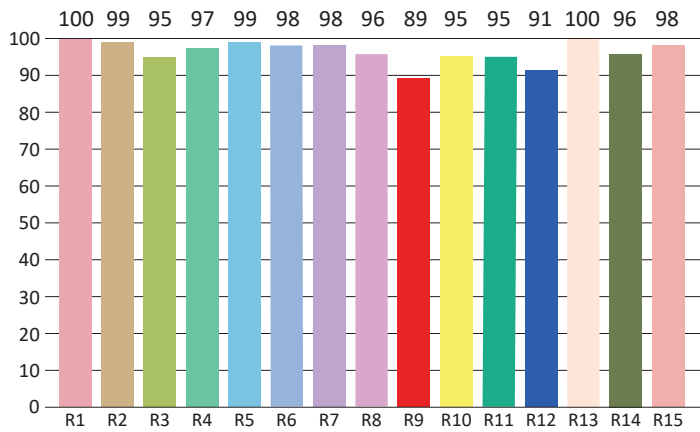
3000K



CRI TEST

2700K

3000K



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	420	mA
Peak Power	P	16.9	W
Reverse Voltage	vr	-15	V
Operating Temperature	TOPR	-30~+100	°C
Storage Temperature	Tstg	-40~100	°C
Hand Soldering Condition	Tsld	3.5sec@350°C	sec
Case Temperature	Tc	100	°C
LED Junction Temperature	Tj	125	°C
Temperature of Central Silicon Surface	Ts	125@IRDA Test	°C

MECHANICAL SPECS

