



# L.T.F. High CRI AC Line Voltage LED Board

## 15W California Title 24 Compliant QLUXDOBAR10042LED Series



General Information	
Wattage	15W
CRI	90+
CCT	2700K - 5000K
Custom CCT	Available
Dimension	100mm (OD)
Dimming	Phase Dimming (Triac and ELV)
Beam Angle	160°



### FEATURES

- Meets California Title 24 requirements
- Proprietary IC providing smooth and unified dimming
- High power factor PF > 0.95, THD < 20%
- Low flicker dimming
- Dimming range 5% - 100%
- Flicker index < 0.1
- Triac dimming to comply with NEMA SSL-7A, down to 10%
- High Color Renedering Index (90+ CRI) Ra max. 98
- Excellent R1-R15 color rednering index values
- High efficacy lumen output; Up to 110lm/W
- LM-80 compliant LEDs
- 3 Step Mac Adam Ellipses
- Uniform & Crisp Light Source Intensity
- Exceed ENERGY STAR lumen maintenance requirements
- Extra thin low profile
- Low heat generation, easy thermal management
- Easy to fit in new design or retrofit applications

### APPLICATIONS

Ideal for general and architectural illumination.

- Down light
- Ceiling light
- Wall sconces
- Table Lamps
- Pendants

### ELECTRO-OPTICAL CHARACTERISTICS (TA=25°C)

Model	Voltage	Wattage	CCT	Ra	Luminous Flux
QLUXDOBAR10042LED927-T24	120V AC	15W	2700K	CRI≥90	1290lm
QLUXDOBAR10042LED930-T24	120V AC	15W	3000K	CRI≥90	1350lm
QLUXDOBAR10042LED940-T24	120V AC	15W	4000K	CRI≥90	1530lm
QLUXDOBAR10042LED950-T24	120V AC	15W	5000K	CRI≥90	1620lm

Custom CCT available

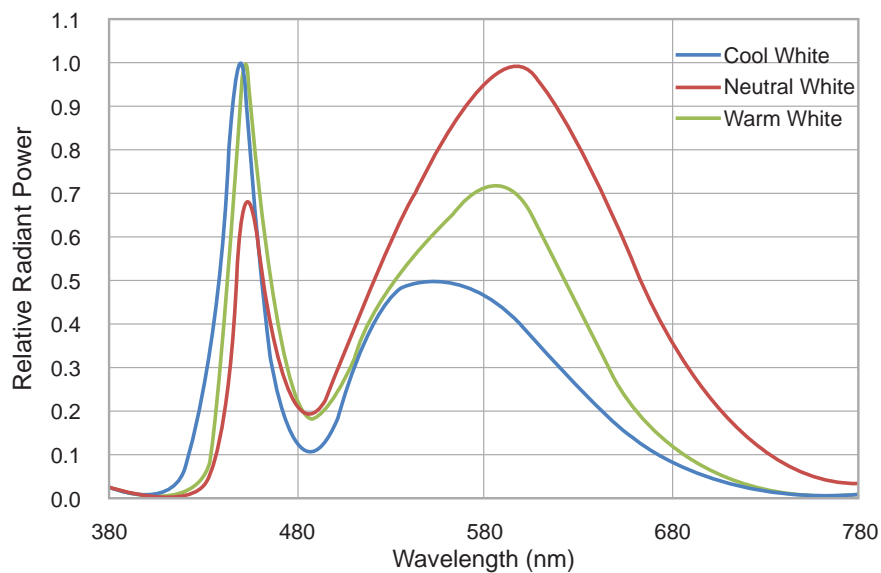
- [1] Luminous flux and efficacy are typical value, measured by an integrated phere at 25°C, tolerance: ± 10%;  
 [2] Ra/CRI is measured with tolerance: ± 2;  
 [3] All models are available in 2700K, 3000K, 3500K, 4000K;  
 [4] Tolerance of power: ± 1W.



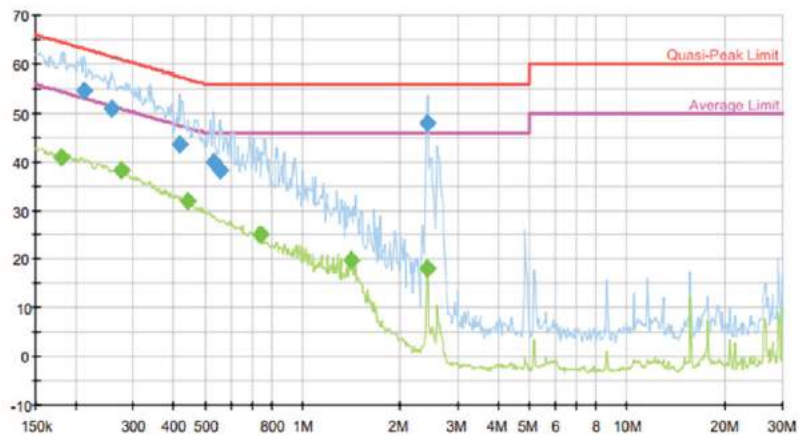
ABSOLUTE MAXIMUM RATINGS (TA=25°C)

Parameter	Symbol	Value	Unit
Voltage	V in	132	Vac
LED Solder Temperature	Ts	-20~+85	°C
Storage Temperature	Tstg	-40~+100	°C
ESD Sensitivity (HBM)	---	±4000	V
Surge	---	1000	Vac

RELATIVE SPECTRAL DISTRIBUTION VS. WAVELENGTH CHARACTERISITC

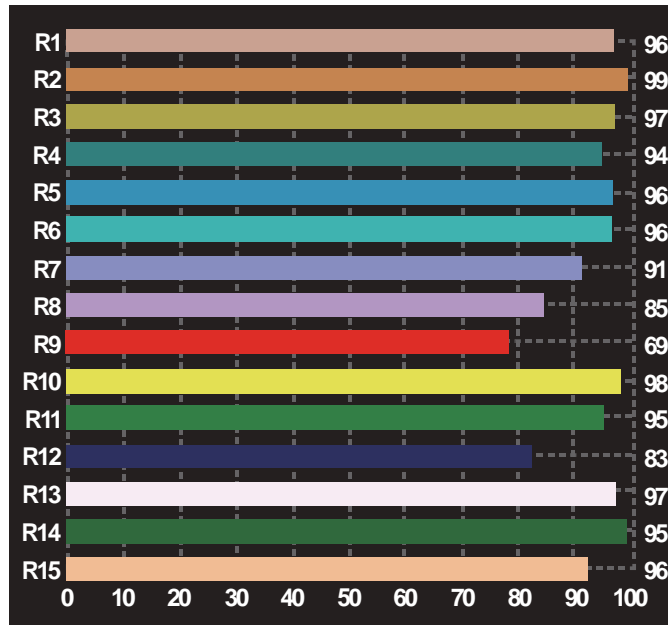


TYPICAL EMI TEST RESULT





COMPLETE R VALUES



R1 = 96	R2 = 99	R3 = 97	R4 = 94	R5 = 96	R6 = 96	R7 = 91	R8 = 85
R9 = 69	R10 = 98	R11 = 95	R12 = 83	R13 = 97	R14 = 95	R15 = 96	

PERCENT FLICKER WHEN TRIAC DIMMING AT 120VAC/60HZ

Dimmer		Percent Flicker		Flicker Index	
Brand	Model	@ 100% dim	@ 20% dim	@ 100% dim	@ 20% dim
Lutron	CT-600P	18.6%	20.9%	0.048	0.053
	CTCL-153P	17.9%	21.4%	0.049	0.054
	DVCL-153P	18.2%	22.5%	0.051	0.055
	MACL-153M	19.2%	23.6%	0.053	0.060
	S-600P	18.6%	26.0%	0.052	0.060
	S-603P	18.4%	21.2%	0.047	0.052
	SCL-153P	17.6%	21.1%	0.049	0.054
	TGCL-153P	19.3%	23.5%	0.050	0.057
Leviton	6631	18.4%	24.4%	0.048	0.057
	6674	17.2%	24.4%	0.046	0.053
	IPL06	18.5%	24.9%	0.050	0.056



MECHANICAL SPECIFICATIONS

