



L.T.F

AC Line Voltage LED DOBi Board

16W California Title 24 Compliant
QLUXDOBAR5716W1LED DOBi Series



General Information	
Wattage	16W
CRI	91+
CCT	2700-5000K
Custom CCT	Available
Size	57mm (OD)
Dimming	Triac & ELV
Beam Angle	160



RoHS



FEATURES

- High Lumen Output
- Meets California Title 24 requirements
- Proprietary IC providing smooth & unified dimming
- High power factor PF>0.90, THD<30%
- Flicker free dimming
- Dimming range <1% - 100%
- Triac & ELV Dimmable
- High color rendering index (91+ CRI)
- Excellent R1-R15 color rendering index values
- High efficacy lumen output; Up to 82 lm/W
- LM-80 compliant LEDs

- Extra thin low profile
- Low heat generation, easy thermal management
- Easy to fit in new design or retrofit applications
- 277V option available

APPLICATIONS

- New or retrofit OEM fixtures
- Indoor or outdoor
- Architectural and commercial
- Ceiling lights
- Wall sconces
- Signage lights

AVAILABLE CONFIGURATIONS

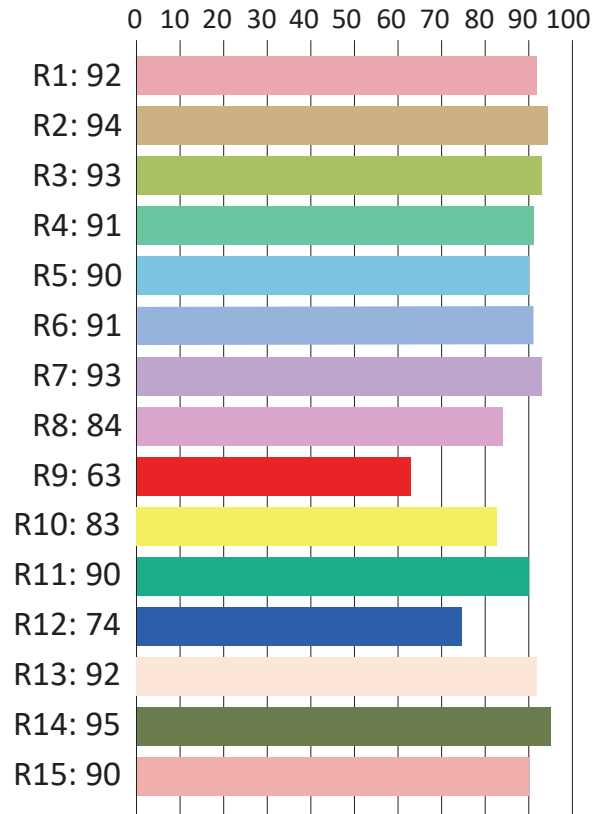
Model Number	Suffix	CRI	CCT	Luminous Flux
QLUXDOBAR5716WLED	- 927	91+	2700K	1270 lm
QLUXDOBAR5716WLED	- 930	91+	3000K	1300 lm
QLUXDOBAR5716WLED	- 935	91+	3500K	1300 lm
QLUXDOBAR5716WLED	- 940	91+	4000K	1320 lm
QLUXDOBAR5716WLED	- 950	91+	5000K	1400 lm



16W California Title 24 Compliant
QLUXDOBAR5716W1LED DOBi Series

CIE Colorimetric Parameters*	
Chromaticity Coordinates	x=0.4289 y=0.3979
CCT	3089K
Peak Wavelength	620 nm
Dominant Wavelength	581 nm
Rendering Index	91.0
Color Ratio	R=42.8%, G=49.7%, B=7.4%
Half Bandwidth	171.8 nm
Color Purity	0.4848

CRI TEST RESULTS

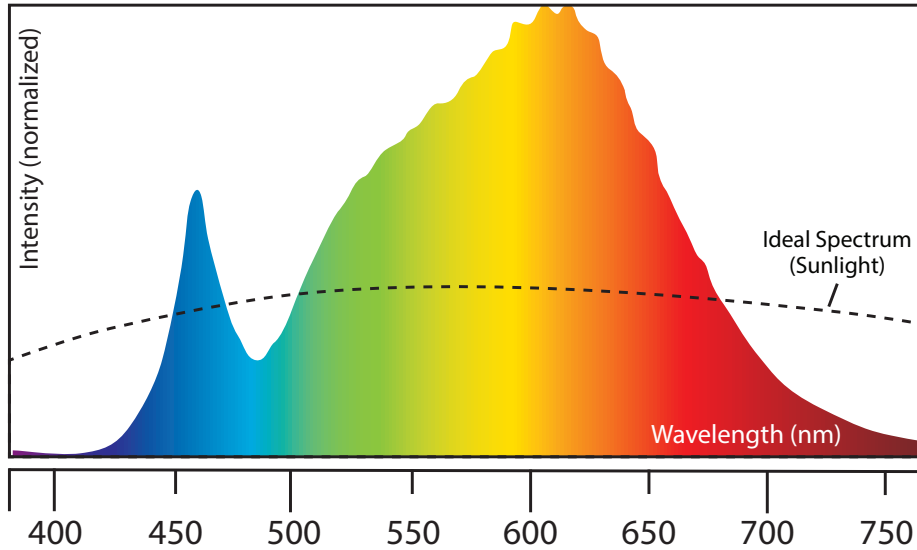


R1=92	R2=94	R3=93	R4=91	R5=90	R6=91	R7=93	R8=84
R9=63	R10=83	R11=90	R12=74	R13=92	R14=95	R15=90	

* Test result shown based on 3000 CCT, 91 CRI model



SPECTRORADIOMETRIC PARAMETERS



Photometric Parameters*	
Luminous Flux:	1301 lm
Radiant Power:	4852 mW
Efficacy:	≈ 82.1 lm/W

* Test result shown based on 3000 CCT, 91 CRI model

Electric Parameters	
Voltage	U=120V
Current	I= N/A
Power	P=16W
Power Factor	PF≈ 0.93

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



L.T.F

AC Line Voltage LED DOBi Board

16W California Title 24 Compliant
QLUXDOBAR5716W1LED DOBi Series



MECHANICAL SPECIFICATIONS

