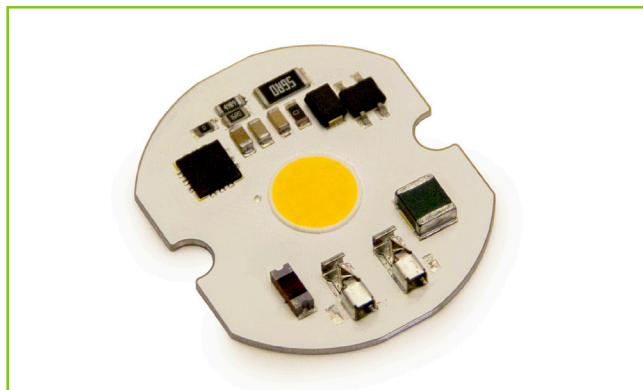




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AC Line Voltage LED DOBi Board

Zhaga Optics Compatible 10W Round LED Module
QLUXDOBAR4410W1LED DOBi Series



General Information	
Wattage	10W
CRI	91+
CCT	2700-5000K
Custom CCT	Available
Size	44mm (OD)
Dimming	Triac & ELV
Beam Angle	160



RoHS



FEATURES

- Zhaga Optics Compatible
- Proprietary IC providing smooth & unified dimming
- High power factor PF>0.90, THD<30%
- 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 91 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	Lumens
QLUXDOBAR4410WLED	- 927	91+	2700K	860 lm
QLUXDOBAR4410WLED	- 930	91+	3000K	870 lm
QLUXDOBAR4410WLED	- 935	91+	3500K	880 lm
QLUXDOBAR4410WLED	- 940	91+	4000K	900 lm
QLUXDOBAR4410WLED	- 950	91+	5000K	915 lm



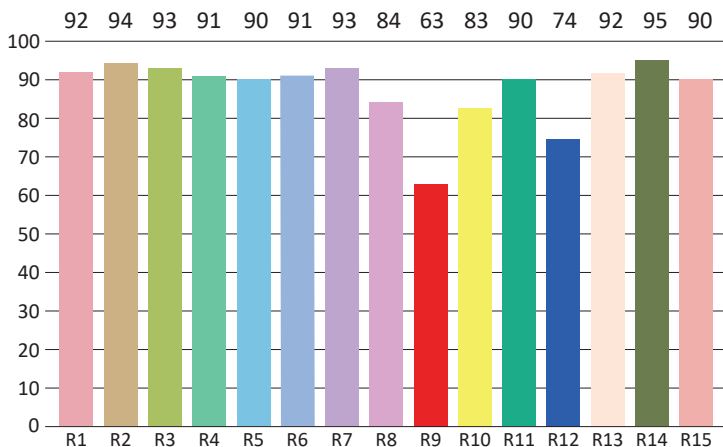
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CIE Colorimetric Parameters*	
Chromaticity Coordinates	x=0.4289 y=0.3979
CCT	3089K
Peak Wavelength	610 nm
Dominant Wavelength	581 nm
Rendering Index	91.0
Color Ratio	R=42.8%, G=49.7%, B=7.4%
Half Bandwidth	171.8 nm
Color Purity	0.4848

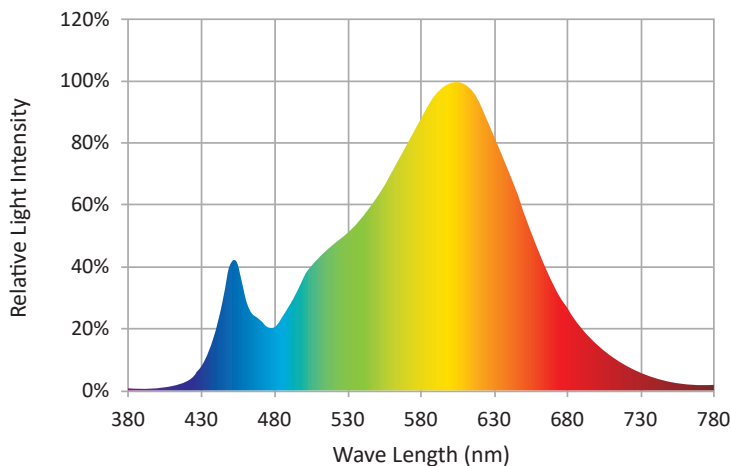
CRI TEST RESULTS



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





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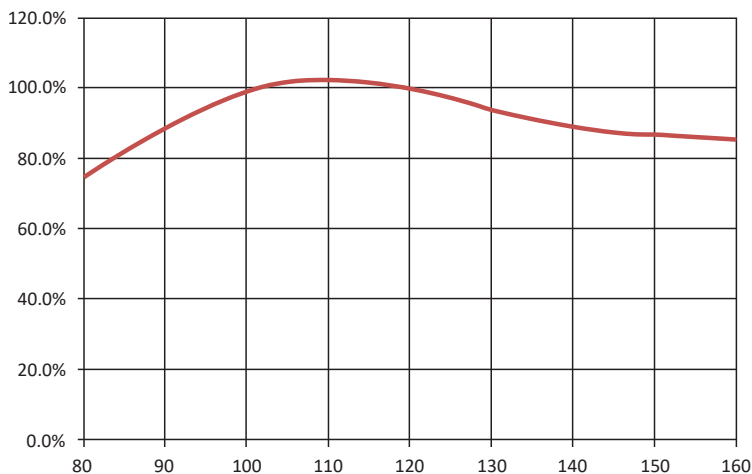


Photometric Parameters*	
Luminous Flux:	870 lm
Radiant Power:	≈ 3300 mW
Efficacy:	≈ 87 lm/W

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

Electric Parameters	
Voltage	U= 120V
Current	I= 0.1020A
Power	P= 10W
Power Factor	PF≈ 0.95

RELATIVE POWER DISTRIBUTION VS. VOLTAGE AT Ta=25°C



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Parameter	Symbol	Value	Unit
Voltage	V in	150	Vac
LED Solder Temperature	Ts	-20~+85	°C
Storage Temperature	Tstg	-40~+100	°C
ESD Sensitivity (HBM)	---	±4000	V
Surge	---	1000	Vac

AC Line Voltage LED Boards - QLUXDOBAR4410W1LED



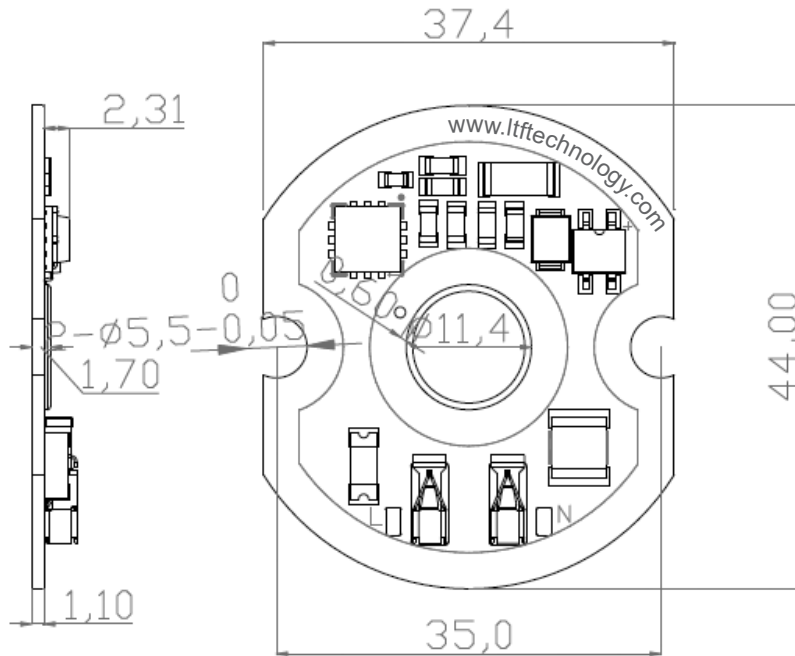
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AC Line Voltage LED DOBi Board

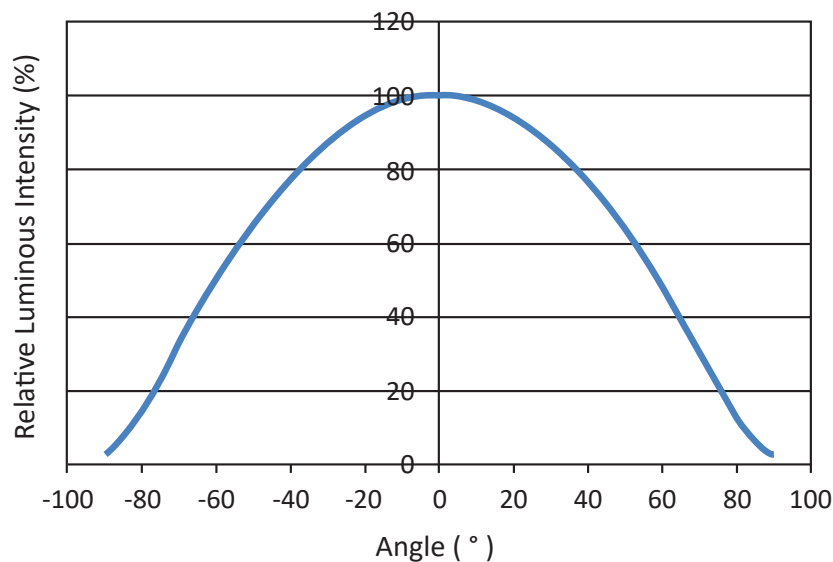
Zhaga Optics Compatible 10W Round LED Module
QLUXDOBAR4410W1LED DOBi Series



MECHANICAL SPECIFICATIONS



RADIATION PATTERN



AC Line Voltage LED Boards - QLUXDOBAR4410W1LED