

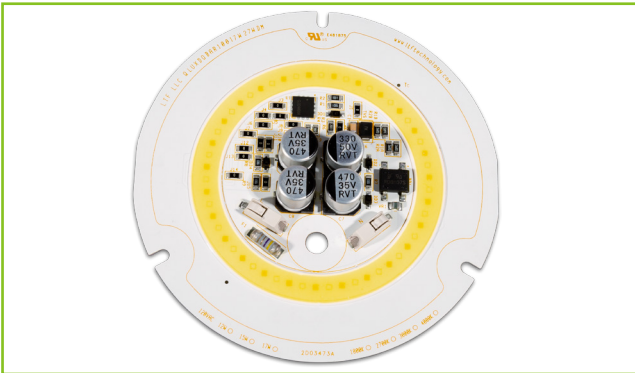


L.T.F AC Line Voltage LED Module



DOBi

Dim-to-Warm Ceiling Fan DOB LED Module QLUXDOBAR10017W27LED-WDM Series



Wattage	17W
CRI	90+
CCT	3000K dims to 1800K
Custom CCT	Available
Dimensions	100mm (OD)
Dimming	ELV, Triac
Optional Dimming	0-10V
Beam Angle	120°



RoHS



FEATURES

- Exceeds California Title 24 requirements
- Flicker free dimming with ELV & Triac dimmers
- Optional 0-10V dimming
- High Color Rendering Index (CRI) Ra max. 98
- Dim-to-Warm feature; 3000K changes to a warm, cozy 1800K when dimmed
- No external drivers or transformers required
- 220-240V, 277V AC input with optional voltage converter
- LM-80 compliant LEDs
- Tight Binning 3 Step Mac Adam Ellipses
- Low heat generation, easy thermal management

APPLICATIONS

- Ceiling fan and ceiling light fixtures
- New designs or retrofit applications
- Flush mount and recessed fixtures
- Residential and hospitality lighting
- Architectural and commercial applications

ELECTRICAL SPECIFICATIONS

Dim-to-Warm Ceiling Fan LED Module						
Model #	Wattage	Input	CCT (No Dim)	CCT (100% Dim)	Ra	Luminous Flux
QLUXDOBAR10017W27LED930KWDM	17W	120V AC*	3000K	1800K	CRI >90	1307lm

*220-240V AC, 277V AC Input Available with Optional Voltage Converter Module

- [1] Luminous flux and efficacy are typical value, measured by an integrated sphere 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.

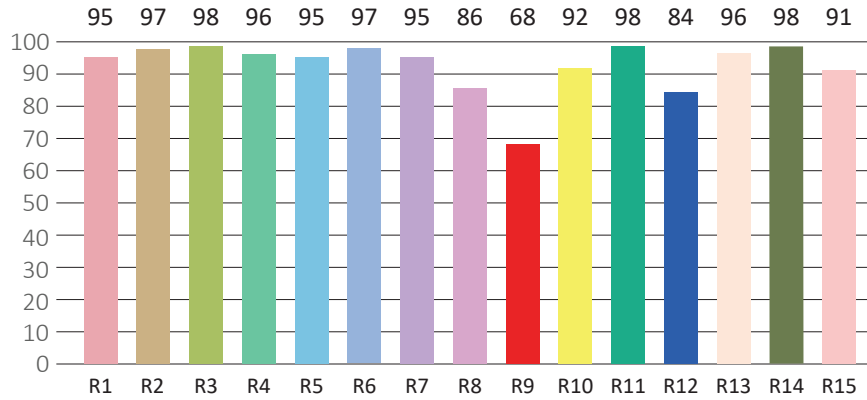
Absolute Maximum Ratings (TA=25°C)			
Parameter	Symbol	Value	Unit
Voltage	V opt	140	Vac
LED Solder Temperature	Ts	-20~+85	°C
Storage Temperature	Tstg	-40~+100	°C
ESD Sensitivity (HBM)	---	±4000	V

DOBi AC Line Voltage LED Module

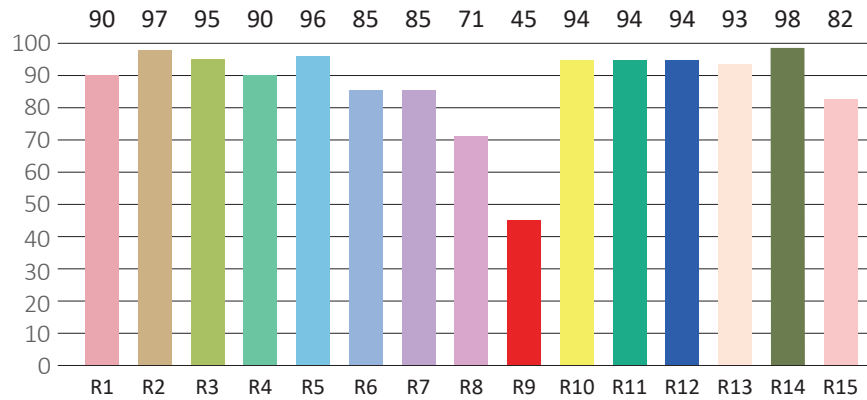


Dim-to-Warm Ceiling Fan LED Module
QLUXDOBAR10017W27LED-WDM Series

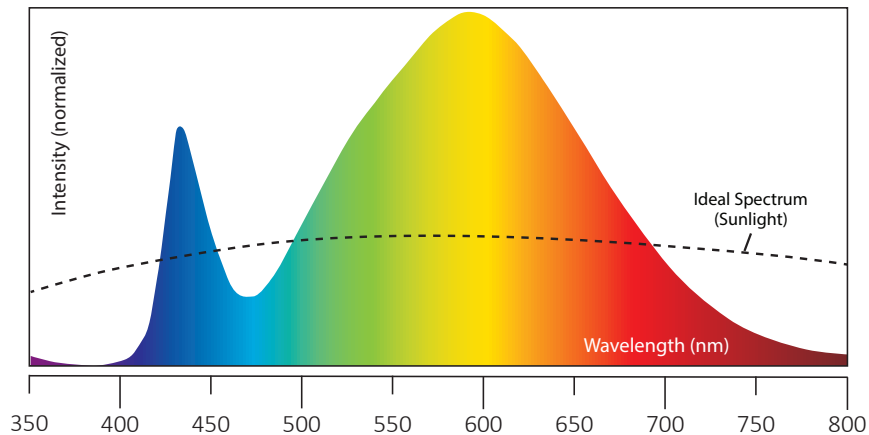
CRI TEST RESULTS - 3000K



CRI TEST RESULTS - 1800K



SPECTRORADIOMETRIC CHARACTERISTICS - 3000K

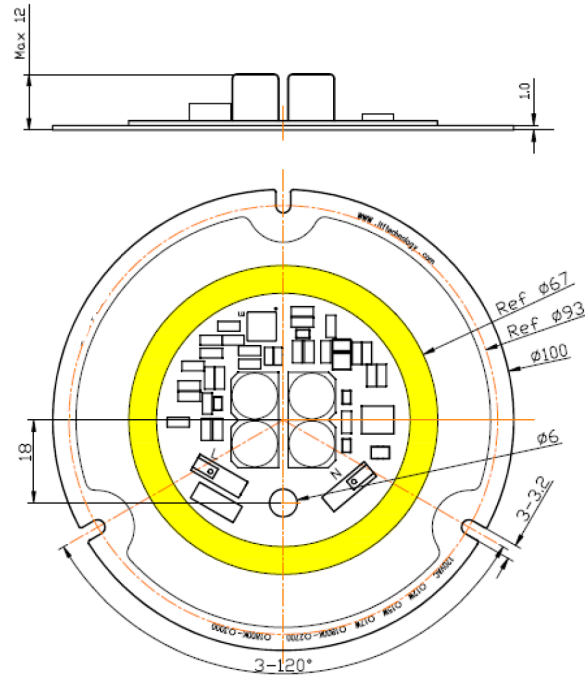




Dim-to-Warm Ceiling Fan LED Module

QLUXDOBAR10017W27LED-WDM Series

MECHANICAL SPECIFICATIONS



Precautions for use:

(1) Storage

To avoid the moisture penetration, we recommend store in a dry box with a desiccant . The recommended storage temperature range is 5C to 50C and a maximum humidity of RH50%.

(2) Use Precaution after Opening the Packaging as separation of the lens may affect the light output efficiency.

Pay attention to the following:

a. Recommend conditions after opening the package

- Sealing

- Temperature : 5 ~ 40° Humidity : less than RH30%

(3) Do not apply mechanical force or excess vibration during the cooling process to normal temperature after soldering.

(4) Radioactive exposure is not considered for the products listed here in.

(5) Gallium arsenide is used in some of the products listed in this publication. These products are dangerous if they are burned or shredded in the process of disposal. It is also dangerous to drink the liquid or inhale the gas generated by such products when chemically disposed of.

(6) This device should not be used in any type of fluid such as water, oil, organic solvent and etc. When washing is required, IPA (Isopropyl Alcohol) should be used.

(7) When the LEDs are in operation the maximum current should be decided after measuring the package temperature.

(8) LEDs must be stored properly to maintain the device. If the LEDs are stored for 3 months or more after being shipped from LTF, a sealed container with a nitrogen atmosphere should be used for storage.

(9) The appearance and specifications of the product may be modified for improvement without notice.

(10) Long time exposure of sunlight or occasional UV exposure will cause lens discoloration.

(11) VOCs (Volatile organic compounds) emitted from materials used in the construction of fixtures can penetrate silicone encapsulants of LEDs and discolor when exposed to heat and photonic energy. The result can be a significant loss of light output from the fixture.

Knowledge of the properties of the materials selected to be used in the construction of fixtures can help prevent these issues.

CAUTION!

- Turn the power off before installing LED to the proper constant current LED driver.
- Avoid short circuit, or drilling / cutting the LED board! It will damage its electrical circuit!