

Linear LED Module LED1100/xx



Introduction

This specification describes the general parameters and performance for Ultrasave LED1100 LED Module series. The module consists of a high thermal conductivity PCB with 22 middle power LEDs. Modules can be connected to each other by LED line cables, available in different lengths.

Lighting Applications

LED1100 is ideally used to replace conventional fluorescent lamps such as T5 and T8. Typical applications include:

- High Bay Luminaire
- Vapor Tight Luminaire
- Troffer Luminaire
- Gymnasium Luminaire
- ST Wraparound Luminaire
- ...and more



Basic Parameters

Parameter	LED1100/30	LED1100/35	LED1100/40
CCT (K)	3,000K	3,500K	4,000K
Luminous Flux (lm)	998 lm	1,050 lm	1,100 lm
Input Power, I = 263mA	9.1W	9.1W	9.1W
Efficacy (lm/W)	109 lm/W	115 lm/W	120 lm/W
Color Deviation (SDCM)	6		
Color Rendering (Ra)	80		
Operating Current (typical)	263 mA		
Operating Current (maximum)	285 mA		
Operating Current (minimum)	130 mA		
Input Voltage (maximum)	36V		
Input Voltage (minimum)	30V		

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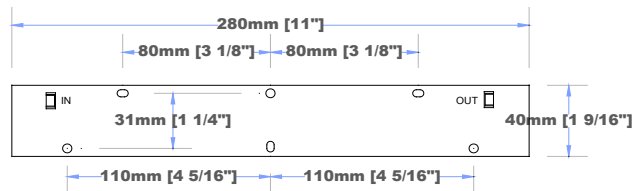
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TECHNICAL INQUIRY, PLEASE CALL 905.940.0888 OR 1.866.733.9217

Data published here are based on the result of testing under controlled environmental conditions. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. C2614USL

Physical Parameters

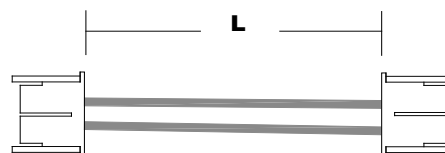
Parameter	Specification
Dimension (mm)	280(L) x 40(W) x 5.95(H)
Weight (g)	70 g
Rated Lifetime (Ta @ 60°C)	>50,000 hrs



Assembly

LED line cable is available to connect LED1100 modules. Connectors utilize Molex 503473 standard for easy replacement.

LED Line Cable (LED Module "OUT" to LED Module "IN")		
LED-50B2B	L = 50 mm	Standard
LED-120B2B	L = 120 mm	Optional (For custom order)
LED-190B2B	L = 190 mm	



Order Information

Model # (Standard Line Cable)	Quantity/Box (pcs)	Box Quantity/Carton (pcs)	Carton Dimensions (L"x W"x H")	G. Weight (lb)
LED1100/30/35/40 C/W 6 LED-50B2B Cables	8	25	12.50 X 9.25 X 10.00	19.13

Safety Notes

- The LED module incorporates minimum protection against short circuits, overload or overheating. Therefore, it is absolutely necessary to operate the module with electronically stabilized power supply.

Ultrasave LED Drivers are specifically designed with protection features for safety operation.

- Please ensure that the LED driver is of adequate power to operate the total load. Ultrasave LED Module Driver, LED80, can drive a maximum of 8 modules; LED40 can drive up to 4. Constant current LED driver, LED124, can drive 3 and LED112 can support 2 LED modules.
- LED module itself cannot be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Pay attention to standard ESD precautions when installing the module.

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