

Linear LED Module

LED550/xx



Introduction

This specification describes the general parameters and performance for Ultrasave LED550 LED Module series. The module consists of a high thermal conductivity PCB with 11 middle power LEDs. Modules can be connected to each other by LED line cables, available in different lengths.

Lighting Applications

LED550 is ideally used in wall washing and other interior lighting. Typical applications include:

- Wall Wash Luminaire
- Cove Lighting
- Under Cabinet Luminaire
- Task Lighting
- ...and more



Basic Parameters

Parameter	LED550/30	LED550/35	LED550/40
CCT (K)	3,000K	3,500K	4,000K
Luminous Flux (lm)	500 lm	520 lm	550 lm
Input Power, I = 263mA	4.55W	4.55W	4.55W
Efficacy (lm/W)	109 lm/W	114 lm/W	120 lm/W
Color Deviation (SDCM)	6		
Color Rendering (Ra)	80		
Operating Current (typical)	130 mA		
Operating Current (maximum)	145 mA		
Operating Current (minimum)	65 mA		
Input Voltage (maximum)	36V		
Input Voltage (minimum)	30V		

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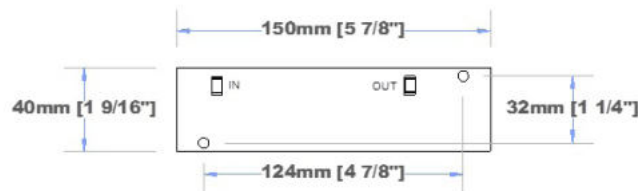
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TECHNICAL INQUIRY, PLEASE CALL 905.940.0888 OR 1.866.733.9217

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

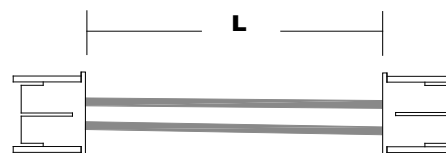
Parameter	Specification
Dimension (mm)	150(L) x 40(W) x 5.95(H)
Weight (g)	70 g
Rated Lifetime (Ta @ 60°C)	>50,000 hrs



Assembly

LED line cable is available to connect LED550 modules. Connectors utilize Molex 503473 standard for easy replacement.

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



Order Information

Model # (Standard Line Cable)	Quantity/Box (pcs)	Box Quantity/Carton (pcs)	Carton Dimensions (L"x W"x H")	G. Weight (lb)
LED550/30/35/40 C/W 4 LED-190B2B Cables	8	25	7.00 X 9.25 X 10.00	10

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 17 modules; LED54 is ideal to drive 11 and LED40 can drive up to 8. 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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