

Compact Dimming

- Wireless DMX Capability*
- LED Digital Display
- 4 Channels / 1200 Watts per Channel
- DMX-512, Architectural and RS-485 Control
- Individual Softpatch, Curve and Limiting
- Local Control and Stand Alone Chaser Modes

*Wireless DMX is an Option to the XC Series

XC-42 Compact Dimmer



SPECIFICATIONS

Channels:	4	Preheat Voltage:	Soft Start Control
Channel Capacity:	1200 Watts per Channel	Response Curve:	Incandescent Bulbs, LED, Fluorescent, Relay Mode
Total Power:	4800 Watts	Filter Rise Time:	350 Microseconds
Control Protocol:	DMX-512, RS-485, Architectural, Optional Wireless DMX	Filter Max. Rate of Rise:	105 Milliamps / Microsecond
Control Connections:	Dual 5 Pin XLR	Full Load Voltage Drop:	3 Volts
Power Requirements:	120VAC, Two 20 Amp Circuits	Efficiency:	97%
Power Input:	Two Edison Plugs	Size:	11"L x 7"W x 2 5/8"D
Frequency:	50 or 60Hz	Weight:	6.7 Pounds
Fusing:	10 Amp each Channel		

Architect & Engineer's Specifications

The dimming system shall have 4 circuits with a load capacity of 1200 Watts per circuit. Each circuit is protected by a 10 Amp fast acting fuse. An allowance of 200% overhead capacity is employed in the triac circuit design, 25 Amps per circuit, and an overhead of up to 400 Volts per circuit. The dimming system shall have a rise time of not less than 350 microseconds. A user may set dimmer attributes of Dim or Relay, unit address, and stand alone chase functions via menus. The dimming system shall use the USITT standard DMX-512 protocol, on a 5 pin XLR type connector for direct control of the dimming circuits. The microcontroller directly applies pulse width modulation to channel output drive opto-couplers without the need for any analog circuitry. The opto-couplers provide 5000 Volt isolation between the high voltage and all other circuitry.

Power requirements of the dimming system shall be two 120VAC circuits, capacity shall be 20 Amps per circuit. The microprocessor autosenses line frequency and will operate 50Hz or 60Hz. Load output connectors shall be Edison style connectors. Input electrical connections are made through 2 pigtailed with connectors determined when purchased. The dimming system is to be mounted using standard lighting equipment clamps. All components and sub-systems of the dimming system shall be UL recognized when specified by the user and conform to the standards set forth. The dimming system is covered by a 5 year warranty.

The dimming system shall be a Lightronics XC-42.

5 YEAR WARRANTY

The 5 year warranty is valid if the Warranty Registration card is returned to Lightronics, Inc. within 30 DAYS of the purchase date.

