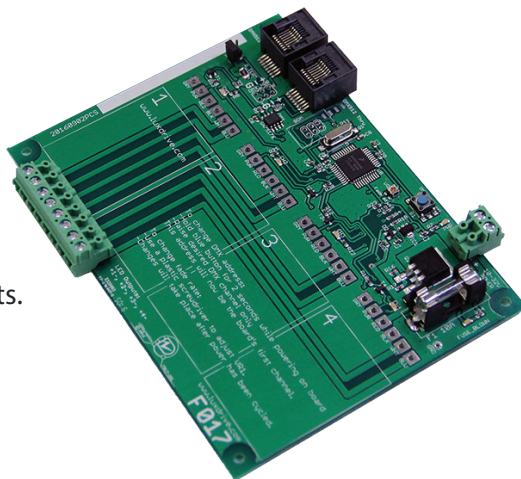


### Product Overview

The QuadBlock is a DMX-512 interface for high current LED drivers. It is compatible with all modern DMX-512 control systems, as well as older revisions (ie USITT/ANSI/ESTA DMX512-A). The unit has four channels for attaching LED drivers supplying constant current to LED loads at 2100mA, 1400mA, or 1000mA per channel. The board is meant for use with the BuckBlock from LEDdynamics' LUXdrive line of products.



The F017 QuadBlock LED Driver Interface

### Features

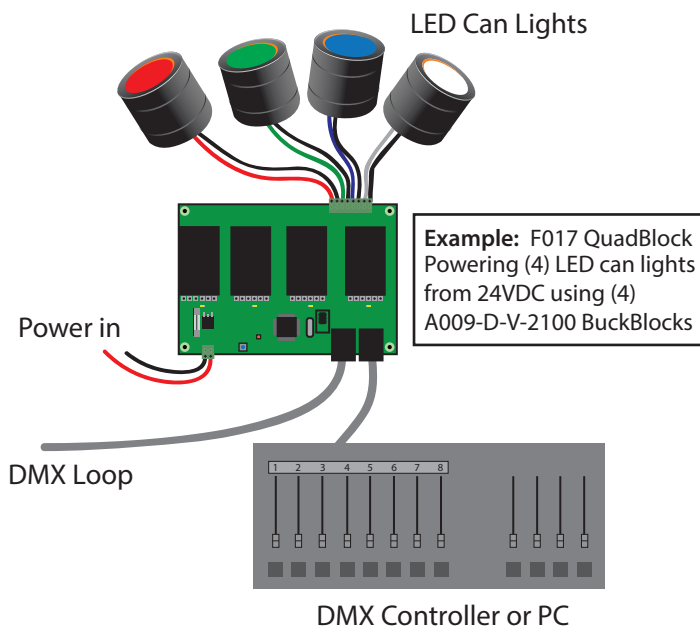
- Simple one button DMX addressing
- One to four control channel capability
- BuckBlock capability
- Channel activity indicators (LED)
- USITT DMX-512/1990 Compatible
- Simple RJ45 connections for DMX
- Removable terminal blocks for power & outputs
- Small size (4.23" x 5.65" x .5")
- "IncanSim" dimmer adjustment

### Typical Applications

- Powering & controlling Luxeon LED arrays
- Area lighting & control systems
- Architectural lighting systems
- Theatrical & production lighting systems
- RGBW fixtures & systems
- Computer control interface
- Accent lighting control
- Landscape lighting control

### Specifications

Input Voltage. ....12-24VDC  
 Input Current (Power). .... 8A Max  
 Max Output Current (per CH.) ..... 2100 mA  
 LED Count (Max.) ..... 72 Luxeon I LEDs\*  
 Communication. ....DMX-512 RS-485@250kbps



## Specifications

### Electrical Specifications

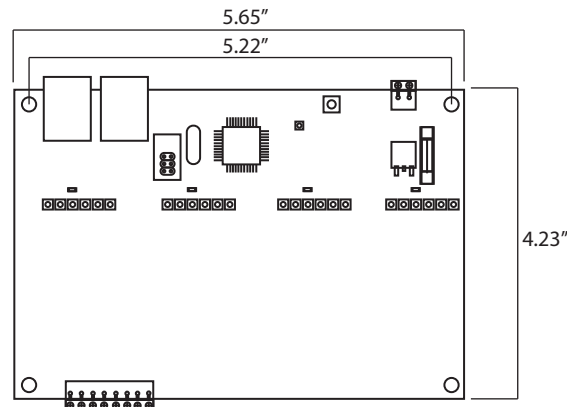
Input Voltage .....	10-30 VDC	
Quiescent Current (control section).....	50 mA	
Input Current (power section) .....	Up to 8A	
Output Current (perch.) .....	1000-2100mA	
Max. LED Count (total).....	72Luxeon™ ILEDs*	
Dimmer Type.....	PWM	
Dimmer Steps .....	256	
PWM Frequency.....	200Hz	} No data on this
PWM Jitter.....	<100ns	
PWM Step Size .....	6.4µs	
Data Termination .....	120 Ω , Jumper Selectable	

### Mechanical Specifications

Size .....	5.65"x4.25"x0.675"
Mounting .....	(4)0.10" diameter holes
Weight .....	3.0oz(86gm)

### Communications

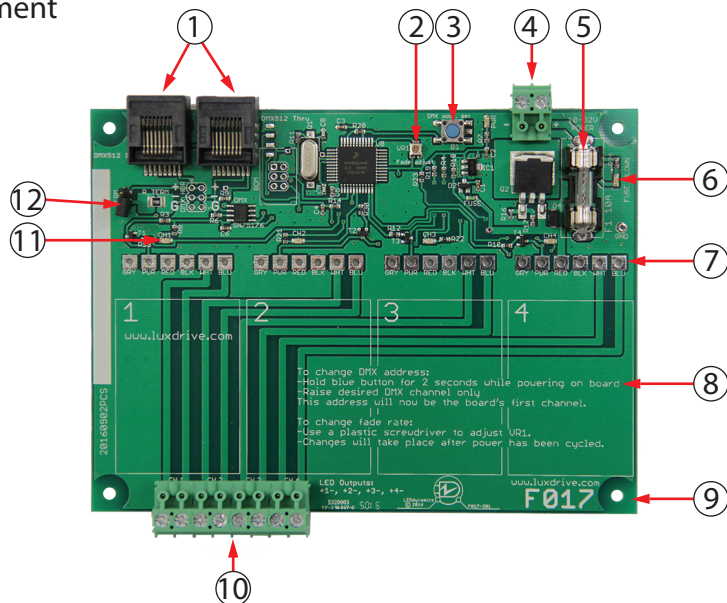
DMX-512 .....	RS-485@250kbps
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1. DMX input/through
2. Fade control adjustment

### Connections

1.	DMX input/through
2.	Fade control adjustment
3.	DMX address set button
4.	DC power input
5.	10 Amp fuse
6.	Dead fuse indicator
7.	Driver connections
8.	Driver mounting locations
9.	Mounting holes (4)
10.	LED output terminals
11.	Channel intensity indicators
12.	DMX termination jumper



**Connections** (continued...)

Desig	Type	Name	Pin(s)	Name
DMX in/thru	RJ45	DMX-512 signal	1	DMX+
			2	DMX-
			6,7,8	Ground
DMX HDR	Header	DMX-512 signal	1	DMX+
			2	DMX-
			3	Ground
TB1, TB2,	Term. Block	Power, Ground	1	Ground
			2	Power
TB3, TB4, TB5, TB6,	Term. Block	LED output	1	LED+
			2	LED-

**Jumpers**

Desig	Name
TERM	Terminator DMX-512