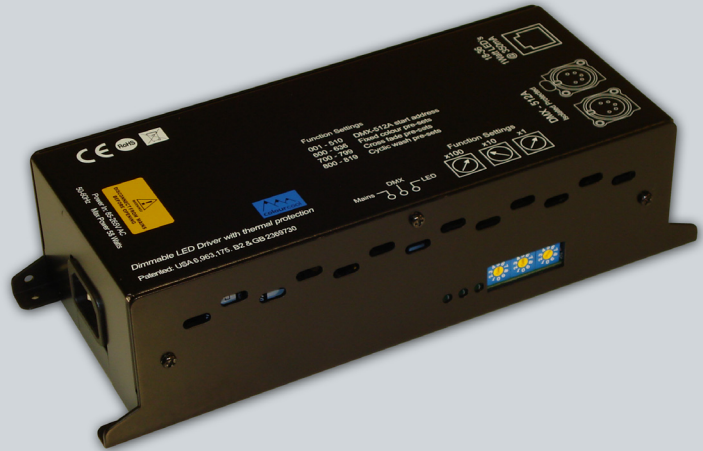


# LC-IDRIVE

## Colour Changing DMX LED Driver

### Key Features

- CE, UL, cUL approved
- 3 channel, 350mA outputs
- Hundreds of in-built program options
- Patented Pulse Amplitude Modulation and Variable Voltage technologies
- High efficiency >85%

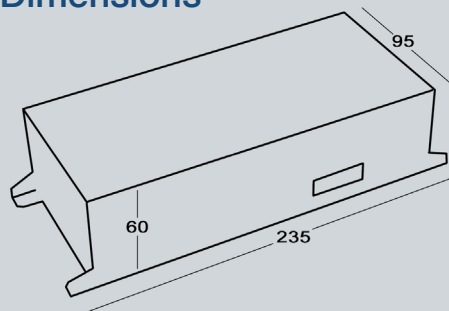


The patented iDrive UL is one of the first high powered LED drivers which can drive 3 channels of LEDs at 350mA and up to 48V DC that is approved to UL and cUL specifications. In addition, the iDrive UL is approved to CE 61347-2-13 which all LED drivers must meet come July 1st 2009. It has also been designed to make installation simple and to save time by using standard power and DMX connectors with a unique user interface to control all iDrive UL functions.

The patented thermal control of attached LED boards, using the unique ColourCool technology, optimises your LED installation for any environment. The iDrive UL can be controlled by DMX512, or use the hundreds of pre-programmed settings to provide independent scenes, colour combinations and effects.

Integrated System Technologies Ltd has globally patented the technique of Pulse Amplitude Modulation (PAM) with a closed loop temperature feedback control in all lighting applications. IST does not use Pulse Width Modulation to change the intensity of the LEDs in any of their LED driver solutions.

### Dimensions



### Weight

- 0.25kg

# LC-IDRIVE

## Colour Changing DMX LED Driver

### Electrical Specifications

#### Input

Input Voltage Range: 100 – 240V AC

Input Frequency: 50 – 60 Hz

Consumption: 6 – 58 Watts

Power Factor: 0.88

Efficiency: 85%

Connection: Standard IEC

Insulation Class 1

Peak In-rush: Highest peak +3A and -8.1A

#### Output

Output Power: 16.8 Watts per channel

Output Current: 350mA per channel

Voltage: 14 – 48V DC per channel

LED Connection: 8 – Pin terminal connector

#### Control Input

Dimming control: DMX-512A

Connection: 5 – Pin XLR

Dimming Range: 0 – 100%

DMX Address Range: 001 – 510 via BCD

Programs: See user manual for all pre-sets

#### Mechanical

Mounting: Four 4.5mm holes for fixing

Construction: Aluminium casing for improved thermal dissipation

#### Environmental

Operating Ambient Temperature: -20°C to 50°C

Storage Ambient Temperature: -20°C to + 70°C

Case Temperature: +65°C

Relative Humidity: 80%

Lifetime (failure after 50,000 hours): 5%

Lifetime (failures after 50,000 hours): 5%

### Recommended for:

DMX control of all Cogent RGB fittings except FS3, FS4, DL10, DL11 & LE1

### Ordering Code

060-500

idrive UL

#### Cogent Lighting,

20 Greenhill Crescent, Watford Business Park,  
Watford, Herts, WD18 8JA, UK.

T: +44 (0)1923 698090 F: +44 (0)1923 698081

E: [info@cogentlighting.com](mailto:info@cogentlighting.com) [www.cogentlighting.com](http://www.cogentlighting.com)