

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



Product Overview

The market leading iDrive® LED driver range now offers the iDrive® UL. The iDrive® range is optimised for use with all good quality high powered LED products such as Luxeon, Cree, Seoul, Nichia and Osram.

The patented iDrive® UL is an established high powered LED driver which can drive 3 channels of LEDs at 350mA and up to 48V DC and is approved to UL standards specifications. In addition, the iDrive® UL is approved to CE 61347-2-13 which all LED drivers have to meet as of 1st July, 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 IST's unique ColourCool™ technology, optimises your LED installation for any environment. The iDrive® UL can be controlled by DMX512 or use one of 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.

UL Reference: E335742



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: Aluminum 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%

Dimensions:

210 x 95 x 60 mm

Weight:

600 grams