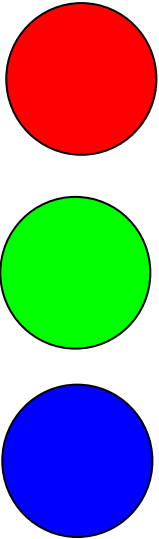


IDS-1 Intelligent Drive System



(Front panel close-up)

The IDS-1 Intelligent Drive System is a compact stand alone LED Driver, capable of running up to 36 1W LEDs at 350mA or 12 K2 LEDs at 700mA.

The system is based on Pulsed Amplitude Modulation with closed loop thermal feedback, which is patented under the colourcool™ technology in Europe, USA, Japan and Australia. This technology enables excellent colour matching and perfectly smooth dimming, as well as optimising the life expectancy of the fixtures connected to the Driver.

The universal voltage input with CE certification (UL to follow shortly) guarantees a simple installation anywhere in the world, with no complicated dipswitches.

The IDS-1 offers a wealth of pre-built functions such as individual scenes, colour combinations and effects. If a wider selection of programs is required, the unit can also be controlled by DMX.

Main features:

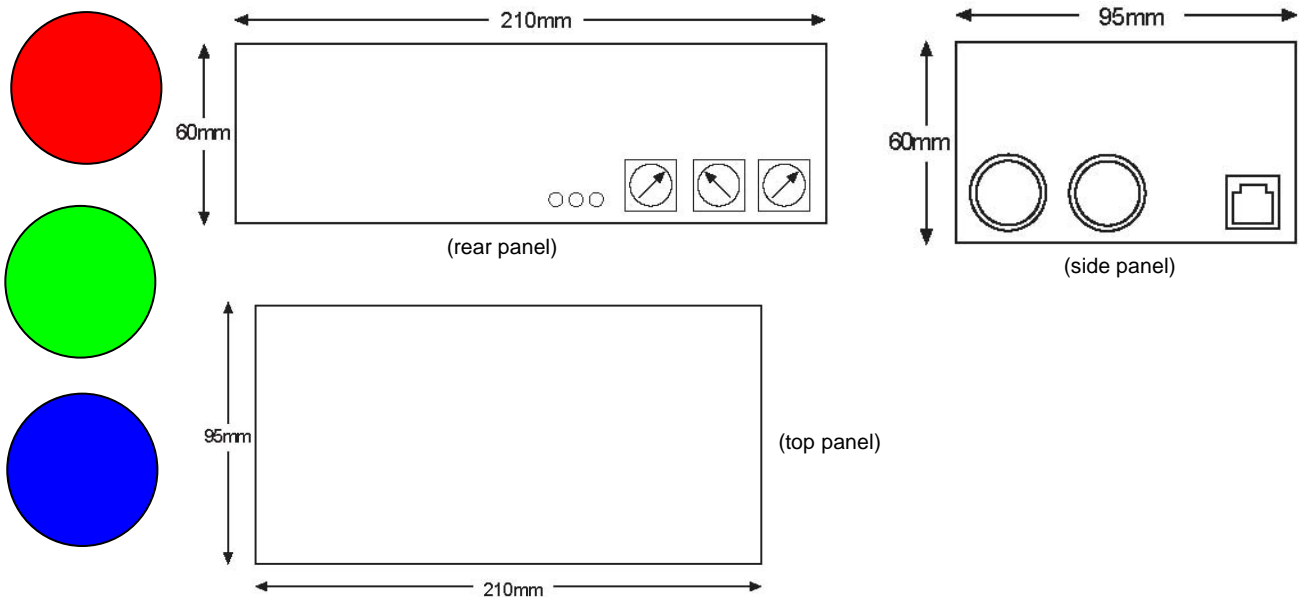
- Compact size and rugged construction with standard 5-pin XLR DMX in/out connectors
- Universal voltage input with standard IEC connector
- Short and open circuit protection
- Safety approvals include CE (UL to follow shortly)
- LED fixture connection with 8 pin RJ45 connector
- Smooth dimming control 0-100%
- Self test functions
- Patented colour mixing 3 channel system
- Stand alone mode with several static and dynamic functions
- Simple 3 rotary switch interface sets DMX address and controls all additional pre-set functions



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As part of our continuous product development we reserve the right to amend these specifications without prior notice.

IDS-1 Intelligent Drive System



Electrical specifications:

- Input Voltage Range: 85-265Vac 50-60Hz
- Power Consumption: 6-55 watts
- Power Factor: 0.95 @ 230VAC
- Connection: IEC connector
- Insulation Class: One
- Power Output Range: 4.8-14.6W per channel
- Maximum Output Current: 350mA @ 100%
- Output Voltage: 14-52Vdc
- Connection: RJ45 (8 pin) connector

Control Input:

- Dimming Control: DMX512
- Connection: 5-pin XLR
- Dimming Range: 0-100%
- DMX Address Range: 1-510 via 3 rotary BCD switches

Mechanical specifications:

- Mounting: four 3mm holes for wall fixing
- Construction: Anodised Aluminium casing for improved thermal performance

Operating ambient temperature: -20°C to +50°C

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

Case Temperature: +65°C

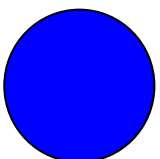
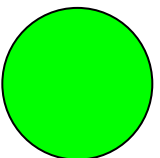
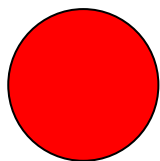
Relative Humidity: 80%

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



0.615Kg

IDS-1 Intelligent Drive System



RJ45 Output Wiring

1 =	Red +
2 =	Red -
3 =	Green +
4 =	Green -
5 =	Blue +
6 =	Blue -
7 =	Temperature
8 =	Temperature

Warning!

Accidental connection to non LED equipment likely to be encountered (e.g. an Ethernet Hub) may result in damage to equipment.

DMX and pre-set program settings:

Switch Settings

001-510

600-636

700-799

800-819

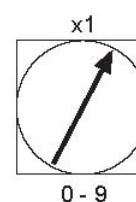
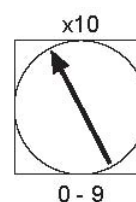
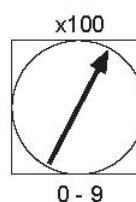
Functions

DMX512 start address

Fixed colour pre-set

Cross fade pre-set

Cyclic wash pre-set



The IDS1 conforms to the following PSU specifications:

EMC

EN 55022/55015

EN 61000-6-3

EN 61000-6-4

EN 61547

Harmonic & Flicker

EN 61000-3-2

EN 61000-4-2 to EN 61000-4-11

Safety

EN 60595-1

EN 61558-1

Part number

TD-IDS1-36

Description

IDS-1 Intelligent Drive System

Tryka L.E.D. Ltd is a Certified Member of the Luxeon Lighting Network™

