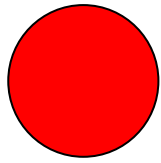
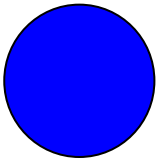
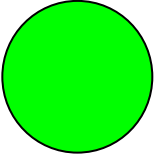


IDS-12 Intelligent Drive System



Ground-breaking Technology!



The Intelligent Drive System IDS-12 is a ground-breaking stand alone and DMX Driver able to drive and control up to 144 1W LEDs.

A minimum of 6 and a maximum of 12 LEDs can be controlled from each one of the 12 outputs, using the 7 different Modes available. Furthermore every Mode allows for the selection of several pre-sets.

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.

The IDS-12 promises to revolutionise the way LED luminaires are driven, combining a driver and controller into one unit.

When remote control of the Driver(s) is required, an IDS Wall Control can be used to recall all the functions offered on the Driver. A DMX version is also available, with the added advantage of being able to dim individual colours, as well as having a master Dimmer, which can also be found on the basic IDS Wall Control.

Main features:

- LCD programme with 7 Modes: Static Colour, Cross Fade, Criss-Cross Fade, Cyclic Wash, Solid Chase, Fade Chase, DMX
- Several pre-sets available for each Mode
- Speed control for each Mode
- Store setting in any Mode
- Default scroll setting at start-up for ease of operation
- 12 RJ45 outputs able to drive 6-12 1W LEDs each
- Thermal feedback control for optimised LED life
- Compact 19" x 2U rack mount size
- Easy Plug & Play set-up
- Full DMX address mapping
- DMX parameters can be set by the operator to use between 3 and 37 channels
- Master DMX dimming channel for accurate dimming of specific colour mixes



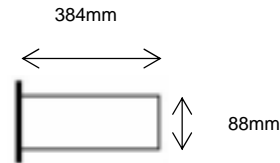
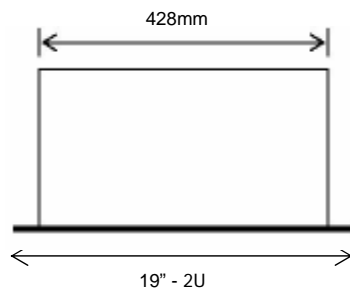
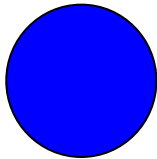
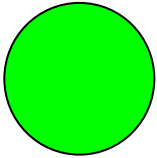
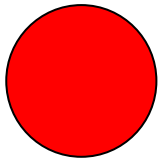
(section of back panel)



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

IDS-12 Intelligent Drive System



Electrical specifications:

- Input Voltage Range: 88-264Vac 50-60Hz
- Power Consumption: 54-320 watts
- Power Factor: 0.95 @ 230VAC
- Connection: IEC connector
- Insulation Class: One
- Power Output Range: 2-5W per channel
- Maximum Output Current: 350mA @ 100%
- Maximum Output Voltage: 24Vdc
- Connection: RJ45 connector

Control Input:

- Dimming Control: DMX512
- Connection: 5-pin XLR
- Dimming Range: 0-100%
- Address Range: 1-512 via LCD selection

Mechanical specifications:

- Mounting: 19" rack
- Construction: powder coated steel 1.2mm to IP20

Operating ambient temperature: -10°C to +40°C

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

Case Temperature: +65°C

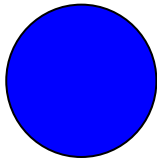
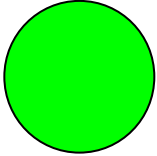
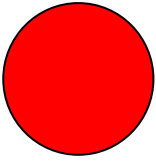
Relative Humidity: 80%

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



7Kg

IDS-12 Intelligent Drive System



Warning!

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

RJ45 to Molex Wiring Connections

Molex Connector Pin Number	Molex Cable Colour	RJ45 Connector Pin Number	RJ45 Cable Colour	Purpose	LED
1	Black	1	White + Orange	Ch 1 Common (+)	Red
2	Yellow	3	White + Green	Ch 2 Common (+)	Grn
3	White	5	White + Blue	Ch 3 Common (+)	Blu
4	Brown	8	Brown	Temp Feedback	tb
5	Red	2	Orange	Ch 1 (-)	Red
6	Green	4	Blue	Ch 2 (-)	Grn
7	Blue	6	Green	Ch 3 (-)	Blu
8	Purple	7	White + Brown	Temp Feedback	tb

For test and set up procedure please refer to the Operating Instructions.

Part number
TD-IDS12-144-RACK

Description
IDS-12 Intelligent Drive System rack mount

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