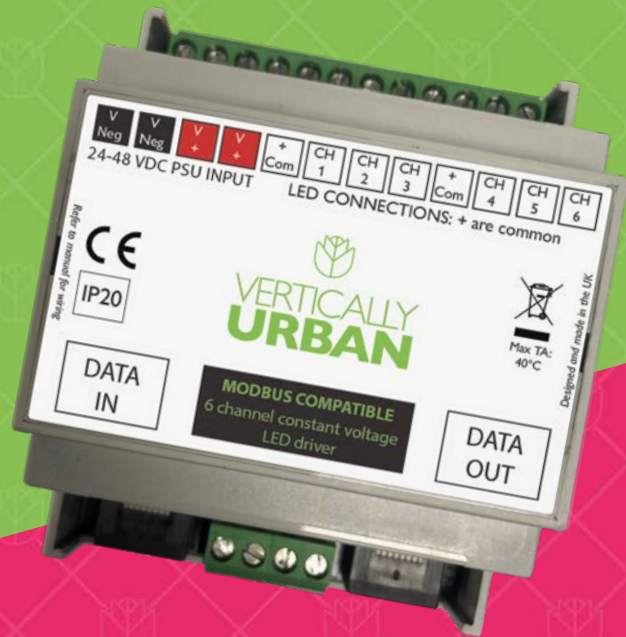# SPECTRA DRIVE

VERTICALLY URBAN
LIGHTING THE FARMS OF THE FUTURE

A VERSATILE LED DRIVER WITH UP TO 6 CHANNELS OF PWM OUTPUT

For Use With Tunable Spectrum Products Only

+44 (0)113 322 6459   hello@verticallyurban.com   verticallyurban.com

VERTICALLY URBAN | Typhoon House, Moxon Way, Leeds, West Yorkshire, LS25 6FB, United Kingdom

MADE IN BRITAIN

SPECTRA DRIVE

Our SPECTRA DRIVE is a versatile driver for use only with our tunable spectrum luminaires.

Compatible with the Modbus RTU & DMX signalling protocols for ease of control the SPECTRA DRIVE provides 6 channels of PWM output from an input voltage of 48 VDC.

Set up is both quick and easy, with DMX configured via a standard DMX RDM tool and Modbus control achieved via a unique web-based interface.

Please refer to instruction manual for more detailed information.

KEY FEATURES:

- 6 channels of pulse-width modulated output

- 0-100% dimming range

- Constant voltage output

- Modbus RTU & DMX compatible

- Easy web-based configuration

- Optimised thermal management

CONTROL

Control Input	Modbus RTU or DMX
Control Output	PWM 48VDC on 6 channels
Setup	Web Interface (Modbus) RDM (DMX)

ELECTRICAL

No. of PWM Outputs	6
Input Voltage	48VDC
Connection Type	Screw terminal (0.5Nm torque)
Data Connection	RJ45
Max Rated Wattage	576W

PHYSICAL & ENVIRONMENTAL

Finish	ABS DIN case
Mounting Method	35mm DIN Rail
Storage Temp	-30°C to 85°C (non-condensing)
Operating Temp	-10°C to 35°C
IP Rating	IP20 (Indoor only)
Screw Terminal Pitch	5mm
Dimensions	See drawing
Weight	0.2 Kg

SPECTRA DRIVE

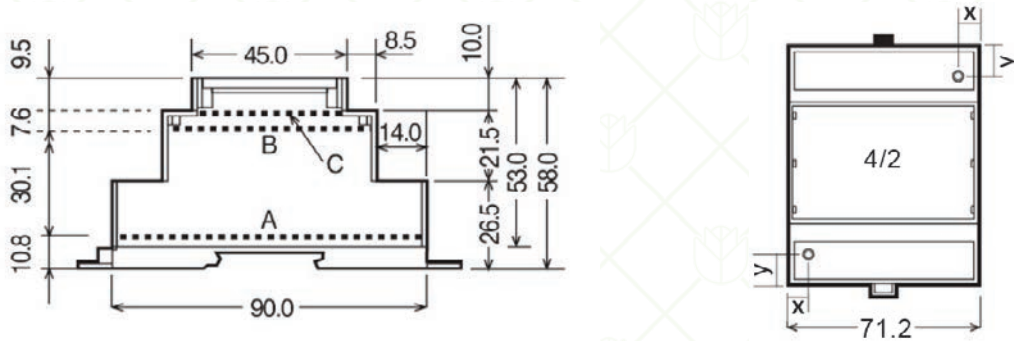## MAX LOADING & LOAD DISTRIBUTION PER CHANNEL

Please refer to the table below for the maximum amperage loading per channel for each operation mode.

OPERATION MODE	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	TOTAL
1 Channel	6A	-	-	-	-	-	6A
2 Channel	6A	6A	-	-	-	-	12A
3 Channel	4A	4A	4A	-	-	-	12A
4 Channel	3A	3A	3A	3A	-	-	12A
6 Channel	2A	2A	2A	2A	2A	2A	12A

⚠ WARNING: The above values should not be exceeded under any circumstances.

DIMENSIONS

CONNECTOR INFORMATION

0.2 to 4.0 mm (30-12 AWG) solid cable
0.2 - 2.5 mm (30-12 AWG) stranded cable
Screw torque 0.5Nm

For installation in a dry environment with an operating temperature range of -10°C to + 35°C and a non-condensing humidity not exceeding 85%. Please see installation instructions for more data.

PART CODE: VU-SPECTRA-DRIVE-DMX
PART NO.: 012252

PART CODE: VU-SPECTRA-DRIVE-MODBUS
PART NO.: 015138

For use with 48VDC tuneable spectrum products only.

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CONTACT DETAILS

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