TDE-lighttech
illuminating creativity

The IZI-Drive 4ch constant voltage led driver can be used for 12 and 24Volt DC led fixtures.

A total of 120W at 24VDC can be divided over one output or combined over the four outputs. Which makes this driver suitable for a wide range of LED fixtures, from RGBW to single colour led fixtures.

The LED driver allows control via an on-board IZI-Link interface and an optional DMX interface.

Features

Output voltage selection
12 or 24VDC

Multiple outputs
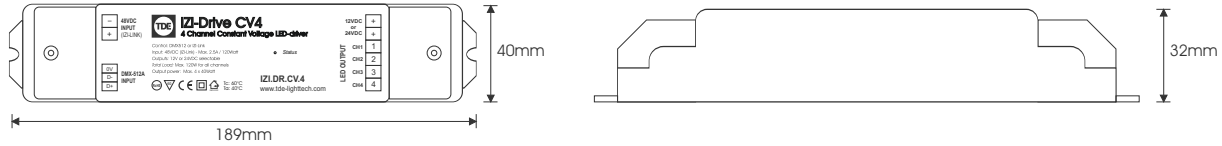Four outputs

Smooth dimming
16bit resolution

Remote configuration
With IZI-Manager software

Technical specifications

Power		
	Input voltage:	48VDC
	Output voltage:	12 or 24VDC
	Output power:	120W @ 24VDC / 60W @ 12VDC
	Channels:	4

Control		
	Control input:	IZI-Link / DMX-512 - 1990 Galvanically isolated

Miscellaneous		
	Housing:	Desktop ABS plastic
	Input connector:	Print connector
	Screw terminal input power:	Max 2,5mm²
	Terminal block control:	Max 1,5mm²
	Terminal block led output:	Max 1,5mm²

Dimensions

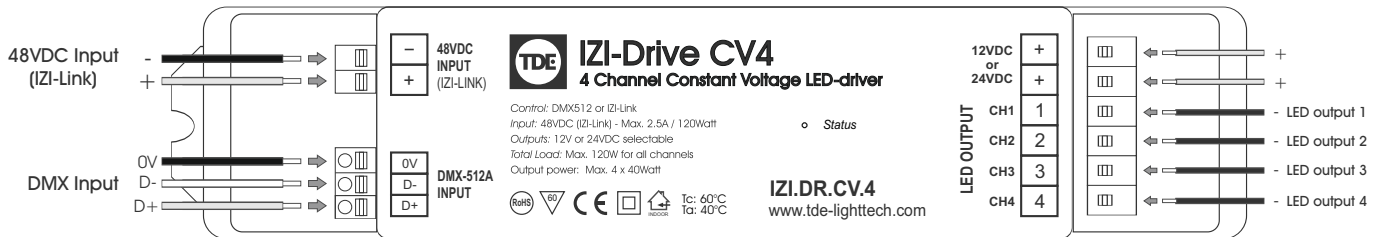

189mm · 40mm · 32mm

Order Code

IZI.DR.CV.4 - IZI-Drive CV4; four channel constant voltage LED driver;

Wiring diagram

LED indication

Identify mode
The Identify mode on the IZI-manager allows identification of each individual fixture/interface.

Firmware update
A firmware update can be done through the IZI-manager

Status	LED	Behaviour
Power ok, Data reception	Green	Blink
Power ok, No data	Red	On
Over temperature	Red	Blink
Low voltage	Red	Blink
Firmware update (IZI-manager)	Red	Blink
Identify	Red / Green	Toggle

Configuration

Th IZI-Drive CV4 can be configured with the IZI-manager Software tool and the IZI-Link programmer cable.
The following parameters can be adjusted:

Parameters:	Value options	Default value
DMX-address:	1~512 (dependant on Device Mode)	1
Device-modes:	M1~M10	M1
PWM Voltage:	12 / 24VDC	12VDC
PWM frequency:	100/250/500/750/1000 /1500 /2000/2500/3000/4000Hz	750Hz
DMX fail start:	Off / Max / Wave	Max
DMX fail operation:	Off / Max / Wave / Hold	Off

Next to the configuration of the driver with the IZI-manager, parameters such as internal temperature led driver, Supply voltage, PWM voltage and Software version can be monitored.

User modes

M1 - **Single Channel Mode:**
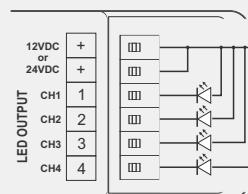DMX1 -> Ch1
DMX1 -> Ch2
DMX1 -> Ch3
DMX1 -> Ch4

M2 - **4 Channel + Master Mode**
DMX1 -> Master
DMX2 -> Ch1
DMX3 -> Ch2
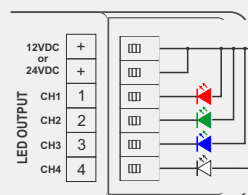DMX4 -> Ch3
DMX5 -> Ch4

M3 - **4 Channel Mode**
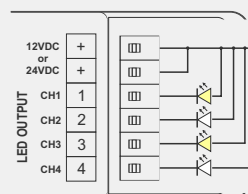DMX1 -> Ch1
DMX2 -> Ch2
DMX3 -> Ch3
DMX4 -> Ch4

Connection options
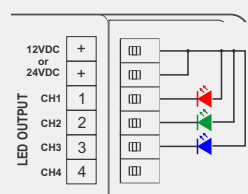

Single colour
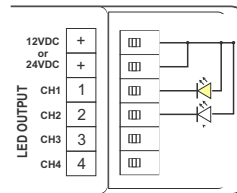

RGBW

Dual tunable white
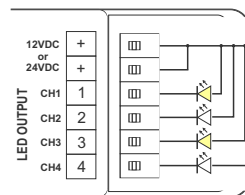

RGB

User modes (Continued)

M4 -   **Tunable white single control**
       DMX1 -> Ch1, Ch3 - Intensity
       DMX2 -> Ch2, Ch4 - Colour

M5 -   **Warm dimming single control**
       DMX1 -> Intensity/Color, Halogen curve Ch1/2
       DMX2 -> Intensity/Color, Halogen curve Ch3/4

M6 -   **Tunable white dual control**
       DMX1 -> Ch1 - Intensity
       DMX2 -> Ch2 - Colour
       DMX3 -> Ch3 - Intensity
       DMX4 -> Ch4 - Colour

M7 -   **Warm dimming dual control**
       DMX1 -> Intensity/Color, Halogen curve Ch1- 4

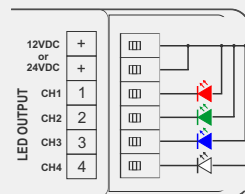## Connection options (Continued)

Single tunable white

Dual tunable white

The following user modes are specially calibrated for use with the RGBW4260 LED module. Offering RGBW functionality as well as a tunable white option.

M8 -   **Tunable white (RGBW)**
       DMX1 -> Intensity
       DMX2 -> Colour

M10-   **RGBW/WD/TW**
       DMX1 -> Red
       DMX2 -> Green
       DMX3 -> Blue
       DMX4 -> White
       DMX5 -> WD or TW
       DMX6 -> RGBW or WD/TW

RGBW4260 LED module

PWM Voltage (V)

12VDC
24VDC

PWM Frequency (Hz)

100Hz
250Hz
500Hz
750Hz
1000Hz
1500Hz
2000Hz
2500Hz
3000Hz
4000Hz

User mode

The IZI-Drive CV4 offers different user modes for different configuration. See below a quick reference for the modes and their respective products.

Usermode	Single Colour	RGB	RGBW	TW	WD
M1	X				X
M2	X	X	X	X	X
M3	X	X	X	X	X
M4				X	
M5				X	
M6				X	
M7				X	
M8			X		
M10			X		

For more information about configuring with the IZI-manager, see manual of the IZI-manager