Driver LED
4x350mA/48V

Product description

The PX714 current driver has been designed for LED control

The built-in DMX receiver allows for controlling 4 channels (e.g. R, G, B, W) using the DMX protocol directly. The wide range of power supply voltage (12 - 48 V DC) and high current-carrying capacity (350 mA max) enable controlling high numbers of LEDs.

The PX714 can be controlled the DMX signal and it can work on its own. In this case, the user has a fully programmable scene and 18 pre-programmed sequences for which the playback speed and smoothness of step changing can be freely set.

The driver has a built-in flicker free frequency control system, which makes it especially suitable for use in the television industry.

As the RGBW series LEDs often differ quite considerably in parameters, the driver has been equipped with the ability to limit the maximum output power of individual output channels.

What is more, the driver has been equipped with an output for the temperature sensor and RDM protocol support. The support of the sensor allows for power reduction depending on temperature.
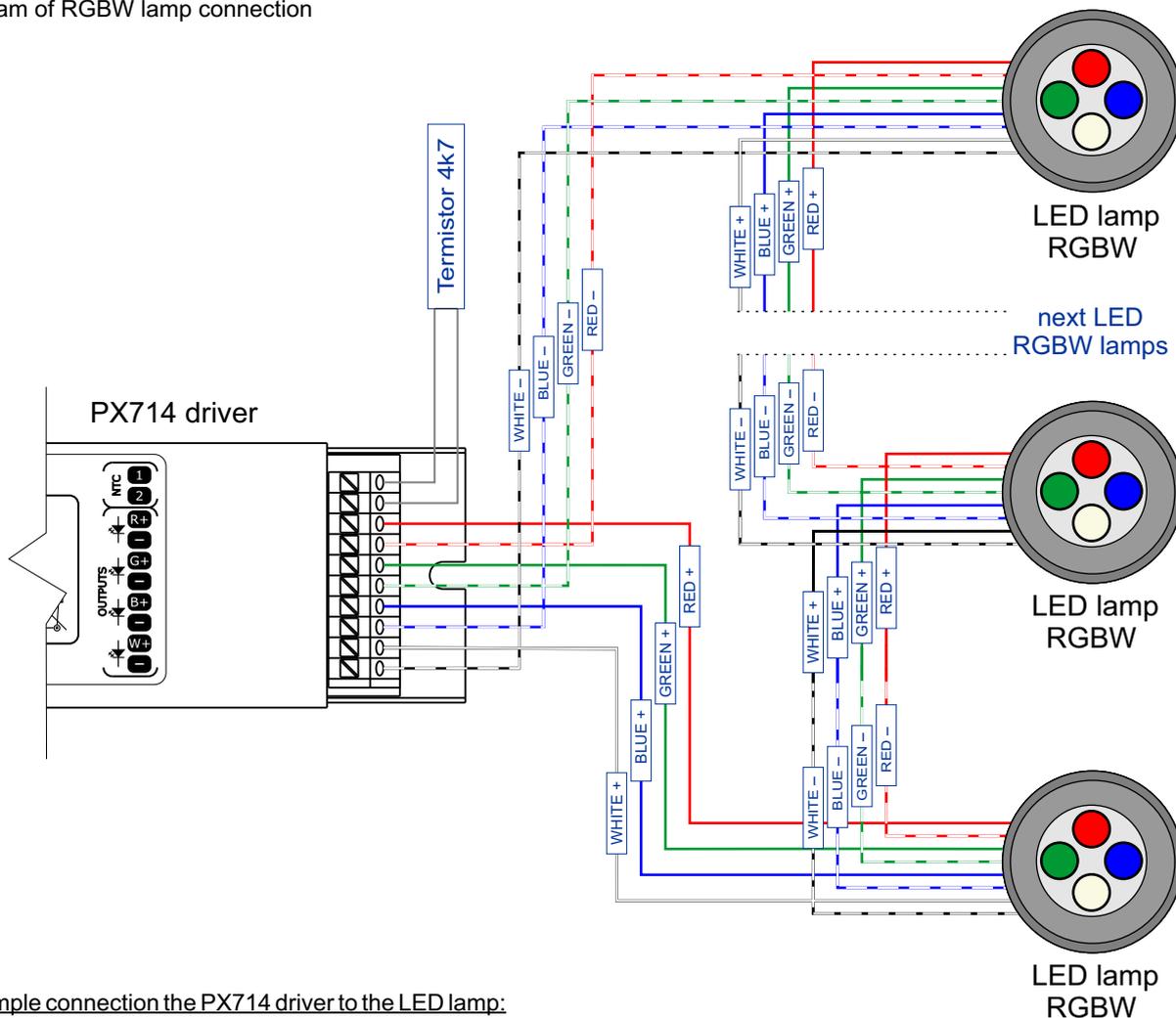
Technical data

Type:	PX714
DMX channels:	512
Power supply:	12 - 48 V DC
Current consumption:	Max. 1,4 A
No-load power consumption:	1 W
Output channels number:	4
Control accuracy:	16 bit
Programmable scenes:	1
Built-in programs:	18
Outputs load capacity:	350 mA / channel $^{+2\%}_{-5\%}$
Output sockets:	PCB terminal block; Push-button; max.1.5 mm²
Tryb Master:	yes
DMX channels Output:	24 - 512 (4 controlled)
Weight:	0,15 kg
Dimensions:	Width: 192 mm Heigh: 44,8 mm Depth: 20,6 mm

LED Driver	Power supply	Number of diodes of one color
PX714	12 V	1 ÷ 3
	24 V	4 ÷ 6
	48 V	7 ÷ 12

Connection diagram

Diagram of RGBW lamp connection

Example connection the PX714 driver to the LED lamp:

- the cables should be connected with the correct order of colors,
- LEDs should be connected only in series,
- controlled LEDs can be connected using two conductors only, i.e. two per channel,
- the number of serially connected LEDs depends on the driver and supply voltage.

Dimensions - technical drawing