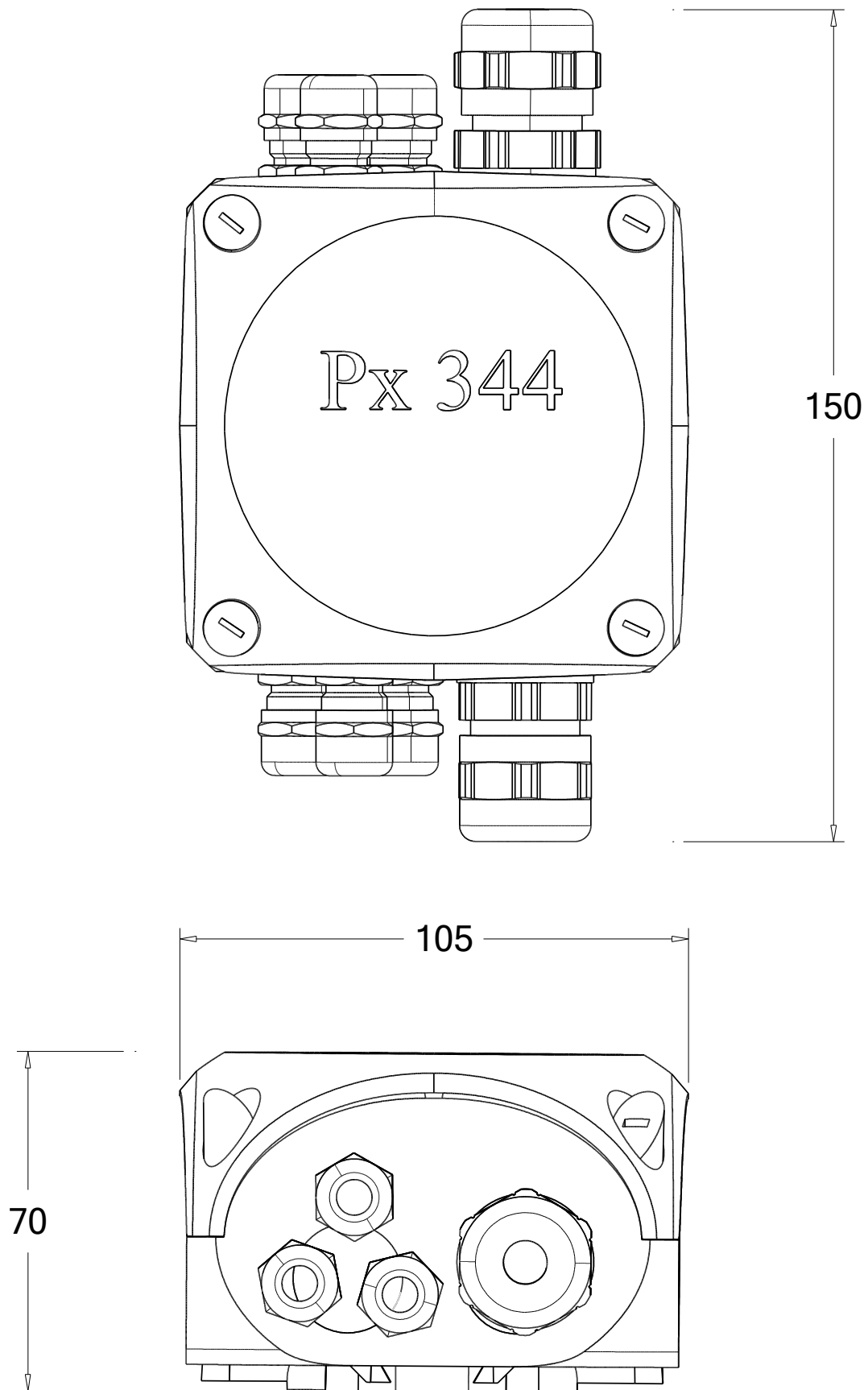## Device description

Driver PX344 is designed for voltage control of LED diodes. Built-in DMX receiver allows control of 1 – 4 channels.

The device is housed in a housing that provides IP65 protection class, and its programming is done exclusively via the RDM protocol.
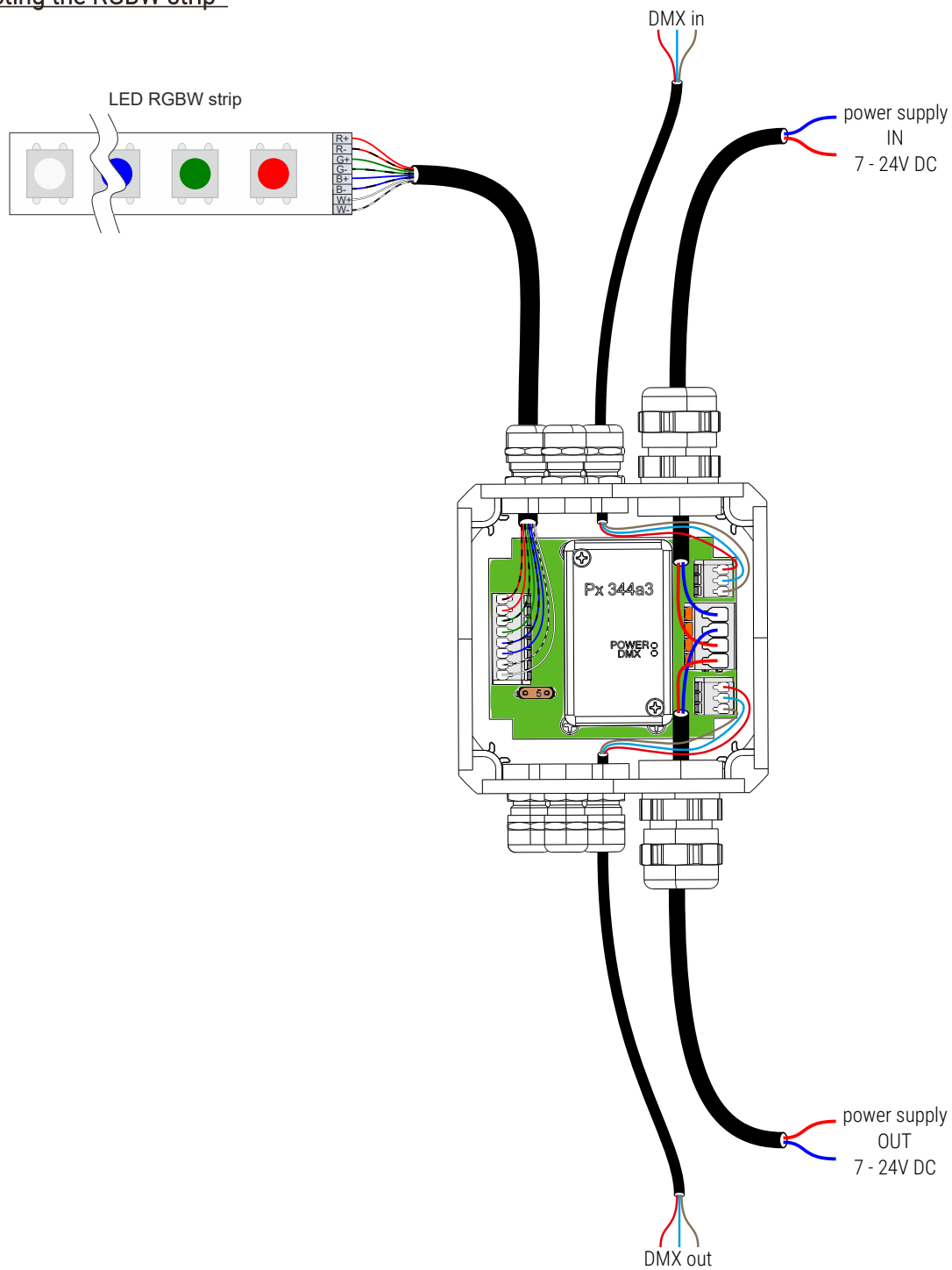
PX344 can be controlled by DMX signal or operate independently. In this case, the user has a fully programmable scene and factory-programmed sequence. Thanks to the use of 16-bit resolution at PWM frequency 1.5 – 24kHz, the control of the parameters of individual channels is completely smooth.

The driver has a built-in control signal frequency tuning system (*flicker free* technology), which makes it particularly suitable for use in the television industry.
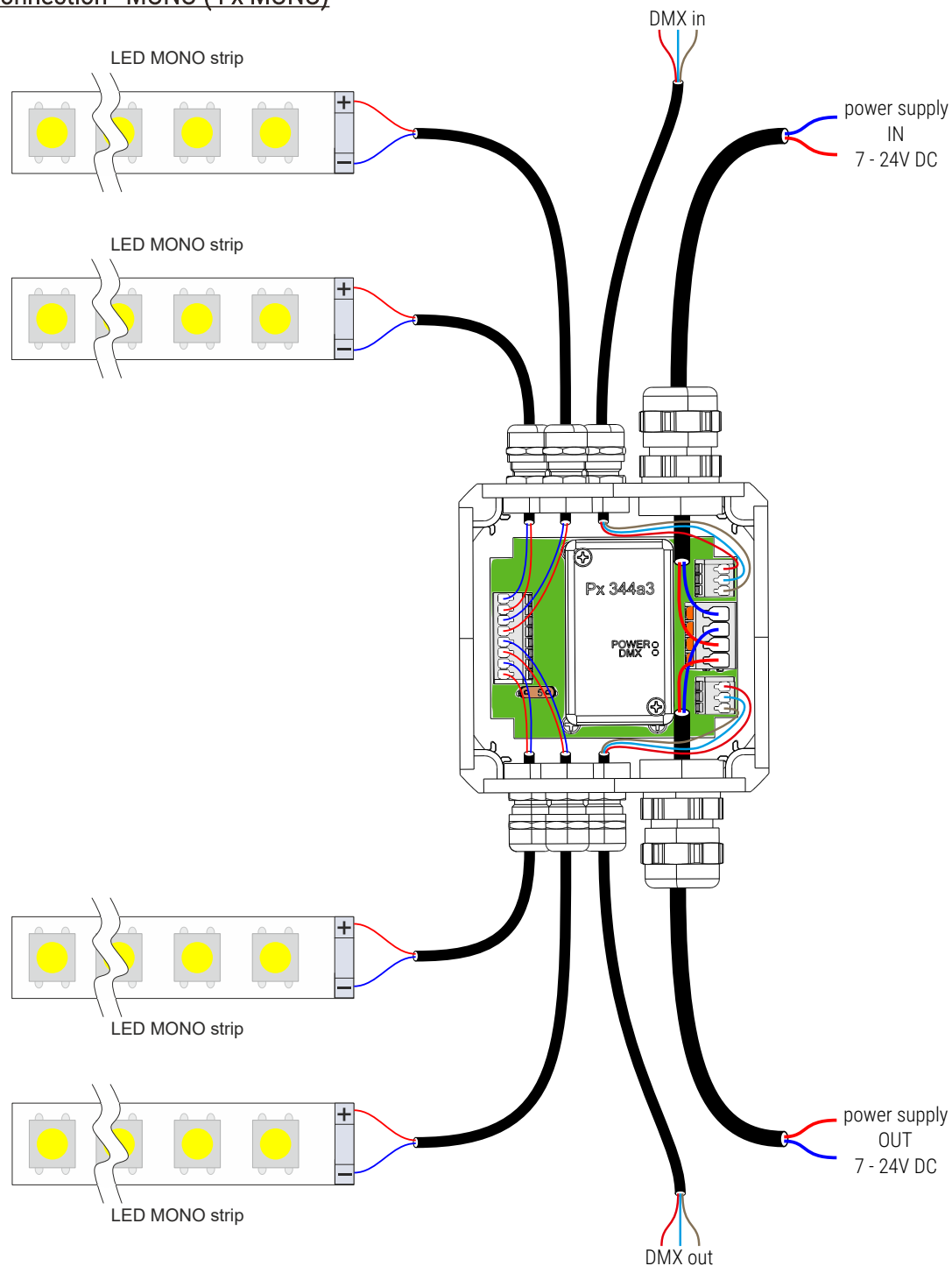
Since RGB/RGBW series LEDs often differ significantly in parameters, this can cause problems in obtaining white color (control of all channels at 100%). Therefore, PX344 has been equipped with an extremely useful function, the so-called white balance. Thanks to it, you can select for each set of LEDs such corrected control of individual colors by the module, so that at full control white color is achieved. What's more, this function also allows you to correct the color temperature of white color.
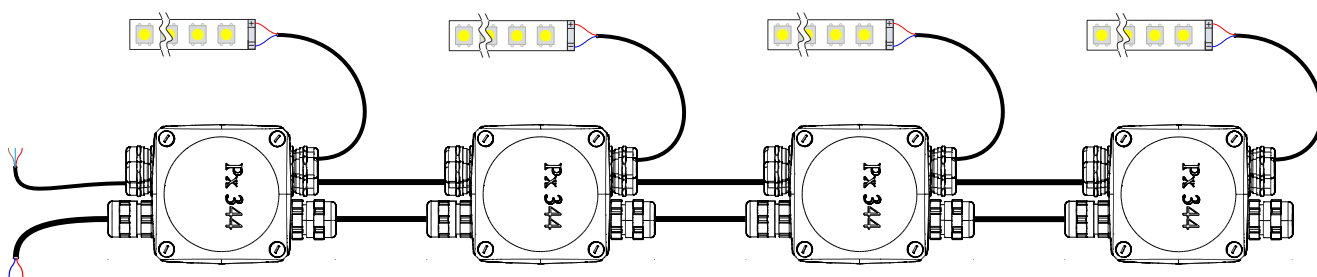
Px 344

150

105

70

Connecting the RGBW strip*

LED RGBW strip

DMX in

power supply
IN
7 - 24V DC

Px 344a3

POWER
DMX

power supply
OUT
7 - 24V DC

DMX out

Strap connection* MONO (4 x MONO)

LED MONO strip

LED MONO strip

LED MONO strip

LED MONO strip

DMX in

power supply
IN
7 - 24V DC

power supply
OUT
7 - 24V DC

DMX out

Px 344a3

POWER
DMX

* typical LED strips are powered by 24V DC − then a 24V DC power supply with appropriate power should also be connected to the PX344, in the case of using LED strips powered by a different voltage, a power supply with the same voltage and power adapted to the length of the strip should be connected to the PX344.

The device can be connected to each other

NOTE! In the example connection above, there can be up to four devices.

NOTE! A cylindrical plug should be placed in unused bushings and then the bushing should be closed to maintain the tightness of the housing.

Technical data

type	PX344
tightness class	IP65
DMX channels	512
RDM protocol support	yes
number of output channels	1 – 4
interpolated output control resolution	16 bit
PWM frequency	1.5 – 24kHz
programmable scenes	1
built-in programs	1
programming	only RDM
output load capacity	total max. 4A
Master / Slave mode	yes
power consumption	max. 4A
no-load power consumption	max. 2W
housing	plastic – ASA
power supply	7 – 24V DC
weight	0.3kg
dimensions	height: 150mm width: 105mm depth: 70mm