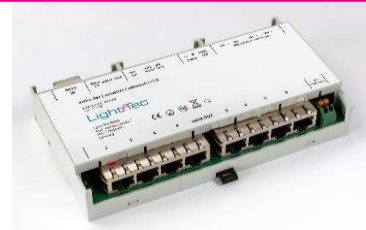## ledTec.flex | converter | advanced | v1.0

This converter provides plug-and-play content control for up to 32 segments (or ~10m²) of "ledTec.flex wallpaper P32 or P16". It receives video input via Artnet protocol and provides differential LED control signals. It provides advanced features for enhancement of image quality, including global white point control and gamma correction.

CE

Data Interfaces

Data input interface connector	RJ45 (Ethernet)
Data input protocol	Artnet V4
Input data rate	10MBit/s or 100MBit/s
Data output protocols	LPIX2, LPIX3
Number of RGB pixels	max 2.720 per output connector --> max 21.760 per Artnet converter
Output data rate	LPIX2: 8kBit/s; LPIX3: 0.5...4MBit/s

Configuration options (via web interface)

	LED brightness, protocol , test mode, Artnet settings, network settings
Brightness	min. 0%, max 100%
LED protocol	LPIX2, LPIX3
Test mode	for testing LED foils without artnet signal present
Artnet s	number of Artnet universes, address of first universe
Network	IP settings

Power supply

Power supply options	DC power input connector. Wire cross section min. 0.5mm2 / max. 1.5mm2, cable length max. 10m
Operating voltage	9...48 V DC
Power Consumption (normal operation)	typ. 4W, max. 7W
Startup time	typically 3 sec (depending on system configuration)

Mechanical

Dimensions LxWxH	160mm x 90mm x 32.2mm
Mounting	top-hat rail (upon request: bare PCBA via 4x M3.5 screw)
Weight	215g

Environmental

Operating Temperature	0°C up to 50°C
Storage Temperature	-20°C up to 70°C
Humidity	0-90%, non-condensing
Environment	IP20, indoor
Standards and regulations	CE, RoHS, Reach