LEDTEC

LED CONVERTER

Transform mains voltage elegantly

LEDTEC CONVERTER

Whether indoors, in damp environments or outdoors – with LEDTEC, you rely on LED converters that are tailored precisely to your project. On request, we configure your converters with the appropriate plug-in system and the exact cable length you need – ready to plug in and quickly integrate into your application.

For demanding environments, we also offer LED converters with IP protection ratings – ideal for damp rooms or continuous outdoor use. Combined with our IP-protected LED modules, this creates a reliable complete solution for robust lighting installations.

LEDTEC also equips you for international requirements: from UL-certified LED converters for the North American market to special solutions for constant current applications – we supply the right components, reliably and cost-effectively.

Choose from a wide range of converters with different power ratings and output voltages – always matched to your requirements. This saves you valuable installation time and ensures maximum operational safety.

CORRECT DIMENSIONING

To ensure your LED strips function reliably, more than just a quality light source is required. The right power supply is just as crucial: LED converters transform the 230V mains voltage into the necessary operating voltage of 12V or 24V – precisely matched to your LED application. In everyday language, these are often referred to as LED transformers.

LED converters are available in a wide range of power ratings – from compact 15 watts up to powerful 200 watts and more. But beware: bigger isn't always better. An oversized converter can cause just as many issues as one that's too weak.

To choose the right converter, it's essential to first calculate the actual power requirements of your LED installation. This is the only way to ensure that the LED converter is properly matched to the connected load – for smooth operation, maximum service life, and optimal energy efficiency.

CALCULATE POWER SUPPLY UNIT

LED strips are typically sold by the meter or as 5-meter rolls. Power consumption is therefore usually specified in watts per meter (W/m), e.g., 9.6 W/m.

To determine the required power rating of the LED converter, this value can be multiplied by the desired length of the LED strip:

- Example: Two meters of LED strip with a power rating of 9.6 W/m
- 9.6 W/m × 2 m = 19.2 watts

To ensure the longest possible service life of the LED converter, it should not be operated at its maximum capacity. Therefore, a 20% power reserve should always be factored in:

- 19.2 watts × 1.2 = 23.04 watts
- For this application, an LED converter with 30 watts should be used.

If you're unsure about selecting the right size for your LED converters, feel free to contact us. We're happy to help!

Um eine möglichst lange Lebensdauer des LED-

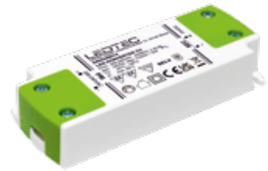
LED CONVERTER

For adequate power input

QUALITY FEATURES OF LEDTEC CONVERTERS

- **High Reliability**
  Ensures long-lasting and trouble-free operation – even under continuous load.
- **High Efficiency**
  Maximum energy efficiency for cost-effective LED applications.
- **Compact Design**
  Space-saving integration – ideal for furniture and interior installations.
- **Comprehensive Protection Mechanisms**
  Built-in protection against short circuits, overload, overvoltage, and overheating.
- **SELV/SELV-Equivalent**
  Safe low-voltage outputs compliant with current standards.
- **Flexibilität bei der Konfektionierung**
  Delivered plug-and-play on request – with matching connectors and exact cable lengths.
- **IP-Rated Versions Available**
  Suitable for damp locations, outdoor areas, and demanding environments.
- **International Compatibility**
  Also available as UL-certified versions for global projects.

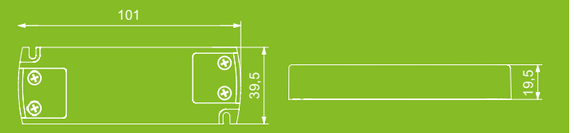
LED-CONVERTER 15 W 12 V



SPECIFICATIONS

- Article number: 0444240013 (12 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 12 V DC
- Performance: max. 15 W
- Max. Load: 1,251 A @ 12 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

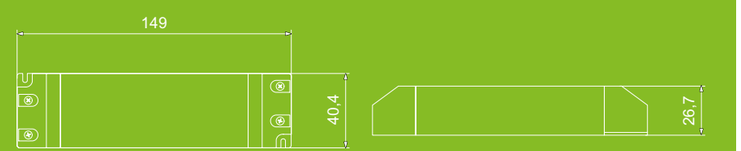


LED-CONVERTER 30 W 12 V

SPECIFICATIONS

- Article number: 0444240312 (12 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 12 V DC
- Performance: max. 30 W
- Max. Load: 2,5 A @ 12 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

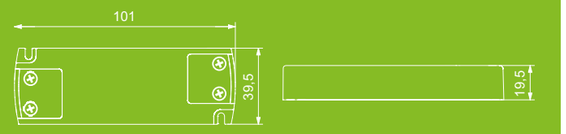


LED-CONVERTER 15 W 24 V

SPECIFICATIONS

- Article number: 0444240014 (24 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 24 V DC
- Performance: max. 15 W
- Max. Load: 0,625 A @ 24 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

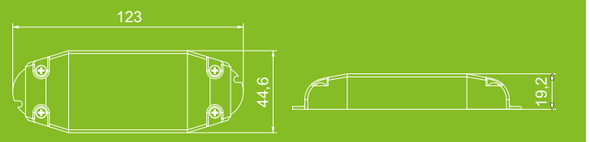


LED-CONVERTER 30 W 24 V

SPECIFICATIONS

- Article number: 0444240324 (24 V DC)
- Input voltage: 220 - 240 V AC, 50 Hz
- Output voltage: 12 V / 24 V DC
- Performance: max. 30 W
- Max. Load: 1,25 A @ 24 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

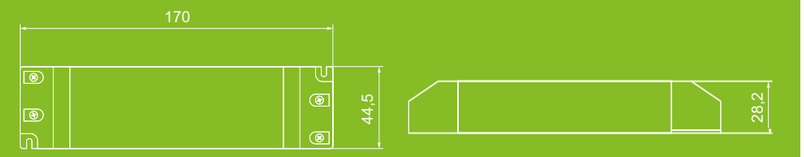


LED-CONVERTER 60 W 24 V

SPECIFICATIONS

- Article number: 0444240624 (24 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 24 V
- Performance: max. 60 W
- Max. Load: 2,5 A @ 24 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

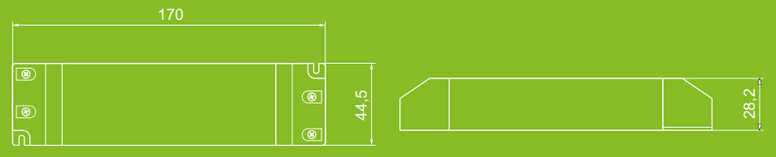


LED-CONVERTER 75 W 24 V

SPECIFICATIONS

- Article number: 0444240724 (24 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 24 V DC
- Performance: max. 75 W (@24V)
- Max. Load: 3,1 A @ 24 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

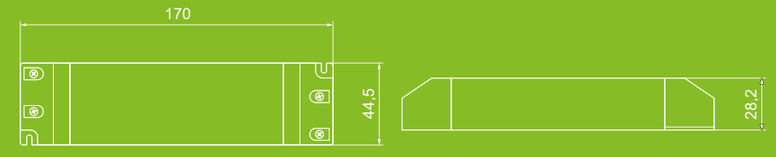


LED-CONVERTER 100 W 24 V

SPECIFICATIONS

- Article number: 0444241024 (24 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 24 V DC
- Performance: max. 100 W
- Max. Load: 4,1 A @ 24 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

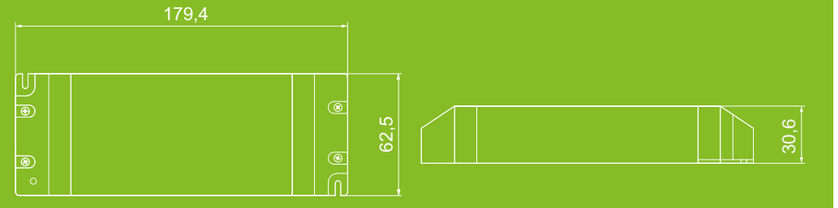


LED-CONVERTER 150 W 24 V

SPECIFICATIONS

- Article number: 0444241524 (24 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 24 V DC
- Performance: max. 150 W
- Max. Load: 6,25 A @ 24 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

TECHNICAL ILLUSTRATION

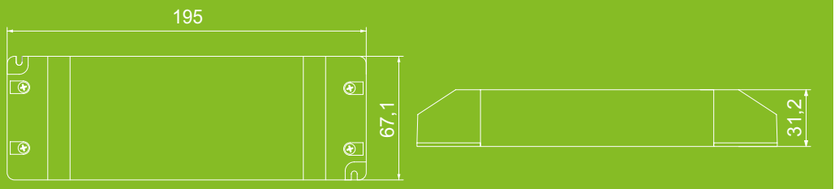


LED-CONVERTER 200 W 24 V

SPECIFICATIONS

- Article number: 0440240043 (24 V DC)
- Input voltage: 200 - 240 V AC, 50 Hz
- Output voltage: 24 V DC
- Performance: max. 200 W
- Max. Load: 8,8 A @ 24 V
- Connection input: Screw terminals (strain relief)
- Connection output: Screw terminals (strain relief)

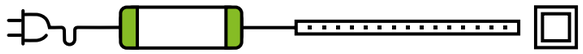
TECHNICAL ILLUSTRATION



CONVERTERS & COMPONENTS

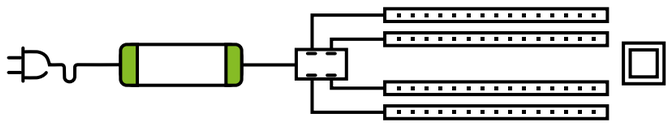
Installation options

Installation without controller/dimmer



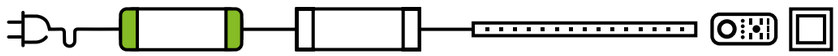
Mains plug - Converter - LED module/light - Wall switch

Mains plug - Converter - Several LED modules/lights in series - Wall switch



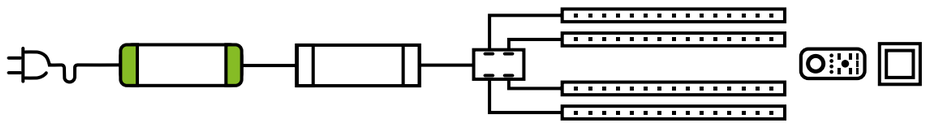
Mains plug - Converter - Distributor - Several LED modules/lights in parallel - Wall switch

Installation with controller/dimmer

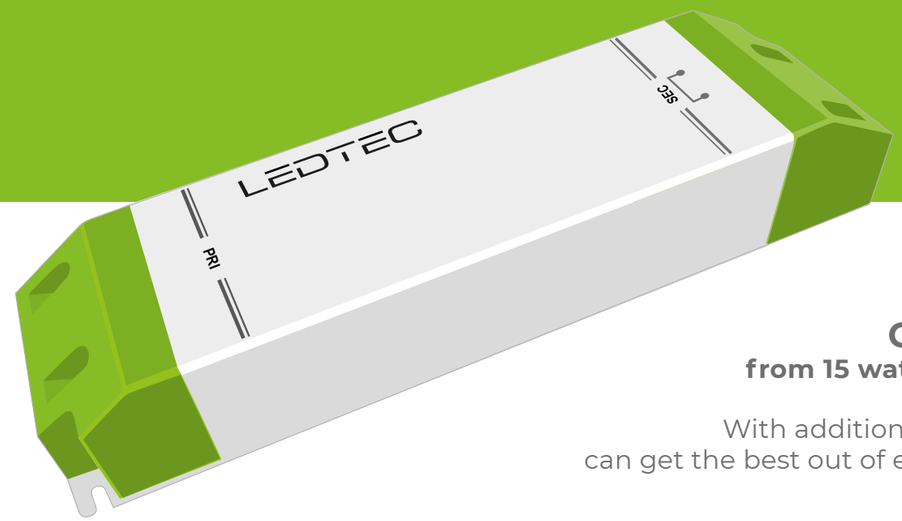


Mains plug - Converter - Control unit - LED module/light - Remote control/Wall switch

Mains plug - Converter - control unit - Several LED modules/lights in series - Remote control/Wall switch



Mains plug - Converter - Control unit -Distributor - Several LED modules/lights in parallel - Remote control/Wall switch



CONVERTER
from 15 watts to 200 watts

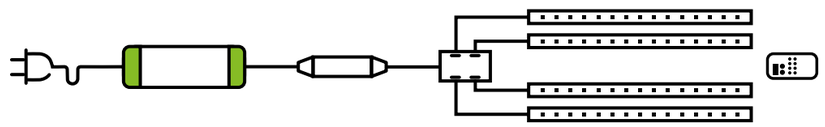
With additional components*,
can get the best out of every application

* Our components are available in various versions: distributors from two to ten-way, dimmers for light/dark, colour temperature RGB/RGBW and DALI, remote controls for dimming function and colour control.

Installation with mini controller

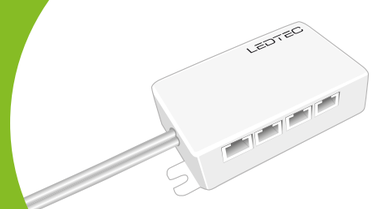
Mains plug - Converter - Control unit - Remote control

Mains plug - Converter - Control unit - Several LED modules/lights in series - Remote control



Mains plug - Converter - Control unit - Distributor -Several LED modules/lights in parallel - Remote control

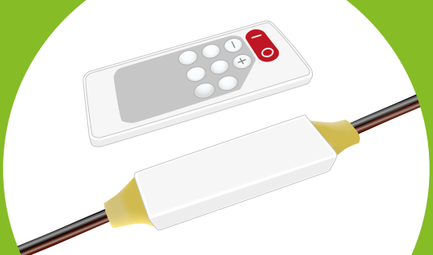
MAINS PLUG



*DISTRIBUTOR

*CONTROLLER
DIMMER

*REMOTE CONTROL



*MINI CONTROLLER
DIMMER-SET

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