



# LED Driver: LT20



## Markets & Applications



## Technical Data

### Output Data

Model	Voltage	Current	Article No.
LT20-28	5-28 VDC	350-700 mA	4105-LT20
LT20-40	10-40 VDC	200-500 mA	4104-LT20
LT20-48	15-48 VDC	100-350 mA	4103-LT20

## Features

- High Quality: LED Drivers Made in Germany
- Current & Voltage Regulation within one Device
- Optional Connection with DIMMBox – LEDs dimmable with DALI, SwitchDIM and 1-10 V
- Easy Installation: Fastening by Screws, Rivets, Cable Straps or Clips
- Variably adjustable Strain Relief by Cable Strap: Suitable for different Lead Diameters
- Applicable in smallest Profiles thanks to very compact Design (only 21x30 mm in Cross Section)
- Excellent Ability for Furniture Applications thanks to optionally available Protective Caps
- 220-240 V Input: Optimized for 230 V Applications
- Minimal Output Tolerances via Laser Trimming
- Customer-specific Outputs on Demand
- High Efficiency: 87% at maximum Load
- Low Standby Losses
- Safe Operation:
  - Over Temperature Protection
  - Continuously Short Circuit Proof
  - Overload Protection
  - No-Load Protection
- Ready-to-Install Devices: Zero Failure Deliveries thanks to 100% Functional & 3,75 kV High Voltage Tests

## Approvals

### Energy Conservation



**EuP2**

### Environmental



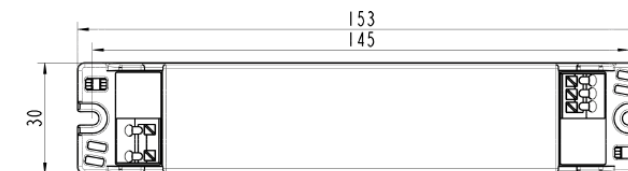
### Safety



### Compliance

- EN61347-1
- EN61347-2-13

## Engineering Drawing





# LED Driver: LT40



## Markets & Applications



## Technical Data

Model	Output Data		Article No.
	Voltage	Current	
LT40-24	10-24 VDC	700-1400 mA	4109-LT40
LT40-36	15-36 VDC	500-1050 mA	4108-LT40
LT40-48	22-48 VDC	350- 700 mA	4107-LT40

## Features

- High Quality: LED Drivers Made in Germany
- Current & Voltage Regulation within one Device
- Optional Connection with DIMMBox – LEDs dimmable with DALI, SwitchDIM and 1-10 V
- Easy Installation: Fastening by Screws, Rivets, Cable Straps or Clips
- Variably adjustable Strain Relief by Cable Strap: Suitable for different Lead Diameters
- Applicable in smallest Profiles thanks to very compact Design (only 21x30 mm in Cross Section)
- Excellent Ability for Furniture Applications thanks to optionally available Protective Caps
- 220-240 V Input: Optimized for 230 V Applications
- Minimal Output Tolerances via Laser Trimming
- Customer-specific Outputs on Demand
- High Efficiency: 87% at maximum Load
- Low Standby Losses
- Environmentally friendly with an active PFC
- Safe Operation:
  - Over Temperature Protection
  - Continuously Short Circuit Proof
  - Overload Protection
  - No-Load Protection
- Ready-to-Install Devices: Zero Failure Deliveries thanks to 100% Functional & 3,75 kV High Voltage Tests

## Approvals

### Energy Conservation



### Environmental



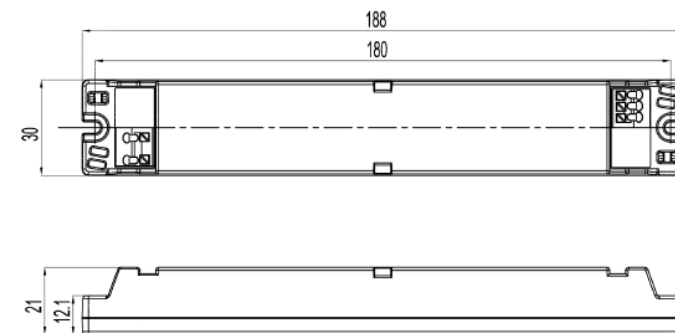
### Safety



### Compliance

- EN61347-1
- EN61347-2-13

## Engineering Drawing





# LED Driver: LT40 IP 67



## Markets & Applications



## Technical Data

### Output Data

Model	Voltage	Current	Article No.
LT40-24	10-24 VDC	700-1400 mA	4127-LT40
LT40-36	15-36 VDC	500-1050 mA	4111-LT40
LT40-48	22-48 VDC	350- 700 mA	4110-LT40

## Features

- High Quality: LED Drivers Made in Germany
- Current & Voltage Regulation within one Device
- Applicable in dusty and damp Environment (IP 67)
- Easy Installation: Fastening by Screws, Rivets, Cable Straps or Clips
- Variably adjustable Strain Relief by Cable Strap: Suitable for different Lead Diameters
- Applicable in smallest Profiles thanks to very compact Design (only 21x30 mm in Cross Section)
- Excellent Ability for Furniture Applications thanks to optionally available Protective Caps
- 220-240 V Input: Optimized for 230 V Applications
- Minimal Output Tolerances via Laser Trimming
- Customer-specific Outputs on Demand
- High Efficiency: 87% at maximum Load
- Low Standby Losses
- Environmentally friendly with an active PFC
- Safe Operation:
  - Over Temperature Protection
  - Continuously Short Circuit Proof
  - Overload Protection
  - No-Load Protection
- Ready-to-Install Devices: Zero Failure Deliveries thanks to 100% Functional & 3,75 kV High Voltage Tests

## Approvals

### Energy Conservation



EuP2

### Environmental



### Safety

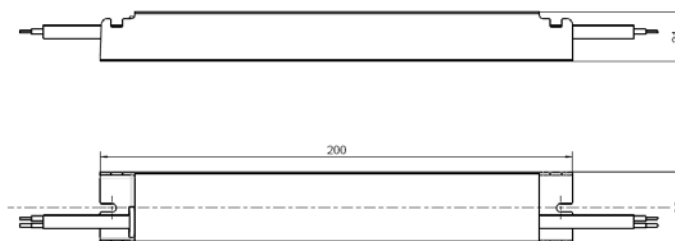


IP67

### Compliance

- EN61347-1
- EN61347-2-13

## Engineering Drawing





# LED Driver: DIMMbox



## Markets & Applications



## Technical Data

- Input: 15 - 48 VDC / 0 - 5 A
- Output: 15 - 48 VDC / 0 - 5 A  
PWM 600 Hz modulated
- DALI: According to DALI-Protocol
- SwitchDim: 230 VAC
- Analog: 1 - 10 V
- Article Number: 4133-Dimmbox-LTXX

## Features

- High Quality: LED Drivers „Made in Germany“
- Suitable for connection to **all** FRIWO driver of the LT series with CTRL input
- Output dimmable with:
  - DALI
  - SwitchDim
  - 1 - 10 V
- Easy Installation: Fastening by Screws, Rivets, Cable Straps or Clips
- Variably adjustable Strain Relief by Cable Strap: Suitable for different Lead Diameters
- Applicable in smallest Profiles thanks to very compact Design (only 21x30 mm in Cross Section)
- Excellent Ability for Furniture Applications thanks to optionally available Protective Caps
- Ready-to-Install Devices: Zero Failure Deliveries thanks to 100% Functional & 3,75 kV High Voltage Tests

## Approvals

### Safety



### Environmental



### Compliance

• EN61347-1

• EN61347-2-13

## Engineering Drawing

