

PRODUCT DATASHEET

LVED VAL 20/220-240/500

Constant current LED drivers | Constant current LED drivers



Areas of application

- Hotels, shops, hospitality, residential interiors
- Suitable for indoor SELV installations
- Suitable for luminaires of protection class II

Product benefits

- Suitable for space-critical installation thanks to compact functional design
- Both independent and build-in design for wide application
- Easy to install and use

Product features

- Available in 10 W, 12 W, 14 W, 20 W, 24 W, 28 W, 36 W, 42 W
- Lifetime: up to 50,000 h (at max. tc temperature)
- Reversible overload, short-circuit and open-circuit protection
- Protection class II
- Type of protection: IP20
- Safety according to IEC 61347-1, IEC 61347-2-13
- EMC immunity according to CISPR15/EN 55015, IEC/ EN 61547, IEC/EN61000-3-2
- Performance according to IEC 62384

TECHNICAL DATA

Electrical data

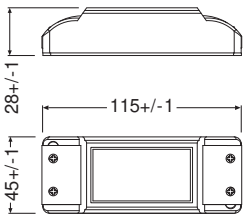
| | |
|---------------------------|---------------------------|
| Nominal wattage | 20.00 W |
| Nominal output power | 11.9...21.0 W |
| Nominal voltage | 220...240 V |
| Nominal output voltage | 25...40 V |
| Input voltage AC | 198...264 V ¹⁾ |
| Nominal output current | 500 mA |
| Inrush current | < 10 A |
| Output current tolerance | ±5 % |
| Mains frequency | 50...60 Hz |
| Total harmonic distortion | < 10 % |
| Power factor λ | ≥0.90 ²⁾ |
| ECG efficiency | ≥84 % ³⁾ |
| Galvanic isolation | SELV |

1) Permitted voltage range

2) Full load at 230 V

3) At full load, 230 V, 50 Hz

Dimensions & Weight



| | |
|----------------|-----------|
| Length | 115.00 mm |
| Width | 45.00 mm |
| Height | 28.00 mm |
| Product weight | 60.00 g |

Colors & materials

| | |
|---------------|---------|
| Product color | White |
| Body material | Plastic |

Temperatures & operating conditions

| | |
|--|--------------|
| Ambient temperature range | -20...+45 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range in operation | -20...+45 °C |
| Permitted rel. humidity during operation | 5...85 % |

Lifespan

| | |
|--------------|-----------------------|
| ECG lifetime | 50000 h ¹⁾ |
|--------------|-----------------------|

¹⁾ At T_a = 45°C / T_c = 80°C / 10% failure rate

Capabilities

| | |
|--------------------------------------|----------------------|
| Dimmable | No |
| Overheating protection | No |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible |
| Max. cable length to lamp/LED module | 2,0 m |
| Suitable for emergency lighting | No |

Certificates & Standards

| | |
|---------------------------|-----------|
| Approval marks – approval | CB / RoHS |
| Protection class | II |
| Type of protection | IP20 |

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -25...+85 °C |
|------------------------------|--------------|

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075463639 | Unpacked 1 | | | |
| 4058075463646 | Shipping box 100 | 465 mm x 160 mm x 250 mm | 10200.00 g | 18.60 dm ³ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.