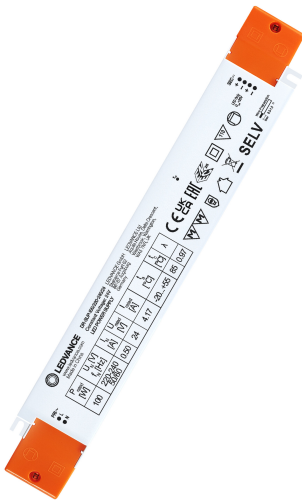


PRODUCT DATASHEET

DR-SUP -100/220-240/24

LED DRIVER SUP | Constant voltage longlife LED driver



Areas of application

- Cove lighting, even in tight spaces
- Wallwasher effect lighting in living rooms, dining rooms, bedrooms, entrances
- Offices, shopping centers, hospitals, restaurants, hotels
- For indoor SELV installations

Product benefits

- Perfectly matched to 24 V LED flexible strips
- Long reliable life at maximum permitted temperatures
- 5 years guarantee
- Maintenance-free operation and minimal installation costs
- Quick and simple installation
- High efficiency and reliability

Product features

- Available in 30 W, 60 W, 100 W and 200 W
- Integrated cable clamp for independent installation
- Lifetime: up to 60,000 h (at max. tc temperature)
- Type of protection: IP20
- Low ripple current < 5%
- Supply voltage: 220...240 V
- Operating frequency: 50/60 Hz
- Operated with less than 60 V: Safety extra-low voltage (SELV)
- Reversible overtemperature, overload, short-circuit and open-circuit protection

TECHNICAL DATA

Electrical data

| | |
|--|---------------------------|
| Nominal wattage | 100.00 W |
| Nominal output power | 100 W ¹⁾ |
| Nominal voltage | 220...240 V |
| Nominal output voltage | 24 V ²⁾ |
| Input voltage AC | 198...264 V ³⁾ |
| U-OUT (working voltage) | 25 V |
| Type of current | DC |
| Nominal current | 500 mA |
| Nominal output current | 4170 mA |
| Inrush current | 50 A |
| Output ripple current (100 Hz) | 1.5 % |
| Mains frequency | 50...60 Hz |
| Total harmonic distortion | < 10 % ⁴⁾ |
| Power factor λ | 0.97 ⁴⁾ |
| ECG efficiency | 90 % ⁵⁾ |
| Device power loss | 13 W ⁶⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 13 |
| Max. ECG no. on circuit breaker 16 A (B) | 20 |
| Max. ECG no. on circuit breaker 25 A (B) | 31 |
| Surge capability (L-N) | 1 kV |
| Galvanic isolation | SELV |

1) From 1 to 100 W

2) Maximum 24 V

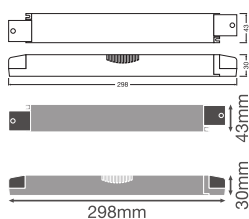
3) Permitted voltage range

4) At full load

5) At full load and 230 V

6) At maximum LED load of 100 W

Dimensions & Weight



| | |
|--------------------------------------|---------------------------|
| Length | 298.00 mm |
| Mounting hole spacing, length | 240,0 mm |
| Width | 43.00 mm |
| Height | 30.00 mm |
| Cable cross-section, input side | 0.5...1.5 mm ² |
| Cable cross-section, output side | 0.5...1.5 mm ² |
| Prewired | No |
| Wire preparation length, input side | 8,0 mm |
| Wire preparation length, output side | 8,0 mm |
| Product weight | 220.00 g |

Colors & materials

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

Temperatures & operating conditions

| | |
|--|--------------|
| Ambient temperature range | -20...+55 °C |
| Maximum temperature at tc test point | 85 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range in operation | -20...+55 °C |
| Permitted rel. humidity during operation | 5...85 % |

Lifespan

| | |
|--------------|-----------------------|
| ECG lifetime | 60000 h ¹⁾ |
|--------------|-----------------------|

¹⁾ At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate

Additional product data

| | |
|--------------|----|
| Encapsulated | No |
|--------------|----|

Capabilities

| | |
|--|--------------|
| Dimmable | No |
| Dimming interface | Not dimmable |
| Overheating protection | Yes |
| Overload protection | Yes |
| Short-circuit protection | Yes |
| Max. cable length to lamp/LED module | 2,0 m |
| Suitable for fixtures with prot. class | II |
| Suitable for emergency lighting | No |

| | |
|---------------------------------|-----------------------------|
| Type of connection, output side | Fixed connection (terminal) |
|---------------------------------|-----------------------------|



Certificates & Standards

| | |
|---------------------------|---|
| Approval marks – approval | CE / CB / ENEC |
| Standards | Acc. To IEC/EN61347-1 / Acc. to IEC 61347-2-13 / Acc. to GB 19510.1 / Acc. to GB 19510.14 / Acc. to EN 55015 / Acc. to IEC 61000-3-2 / Acc. to IEC 61000-3-3 / Acc. to IEC 61000-4-2, 3, 4, 5, 6, 8, 11 / Acc. to IEC 61547 / Acc. to IEC 62384 |
| Protection class | II |
| Type of protection | IP20 |

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -40...+85 °C |
|------------------------------|--------------|

DOWNLOAD DATA

| Documents and certificates | |
|--|-------------------------------|
|  | User instruction |
|  | Declarations Of Conformity CE |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075437821 | Folding box 1 | 300 mm x 44 mm x 34 mm | 242.00 g | 0.45 dm ³ |
| 4058075437838 | Shipping box 10 | 315 mm x 182 mm x 110 mm | 2573.00 g | 6.31 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.