

PRODUCT DATASHEET

DR-SUP -100/220-240/24

LED DRIVER SUPERIOR | 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

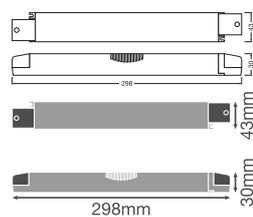
3) Permitted voltage range

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

Additional product data

Encapsulated	No
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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
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DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	DR-SUP 220-240 24
 Declarations of conformity	DR SUP LL

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.