

PRODUCT DATASHEET

DR DALI-SUP -80/220-240/24

LED DRIVER DALI SUPERIOR | Constant voltage LED driver with DALI dimming interface



SUPERIOR
CLASS

Areas of application

- Cove lighting, even in tight spaces
- Hotels, shops, hospitality, residential interiors
- Museums, art galleries
- Strip lighting in single and open-plan offices
- Suitable for use in emergency lighting systems (DC capable)

Product benefits

- Quick and comfortable installation thanks to tool-less cable clamp concept
- 5 years guarantee
- Low flickering enables high light quality as well as good visual comfort
- Push DIM application for easy control
- Optimized matched to 24 V LED flexible strips

Product features

- 1 channel DALI-2 certified LED driver
- Cable clamp housing for independent mounting
- Operated with Safety extra-low voltage (SELV): < 60 V
- Type of protection: IP20

TECHNICAL DATA

Electrical data

Nominal wattage	80.00 W
Nominal output power	80 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	462 mA
Nominal output current	3330 mA ⁴⁾
Inrush current	50 A
Output ripple current (100 Hz)	+/- 3.5 %
Mains frequency	50...60 Hz
Total harmonic distortion	< 10 % ⁵⁾
Power factor λ	> 0.90 ⁶⁾
ECG efficiency	88 % ⁷⁾
Device power loss	12 W ⁸⁾
Max. ECG no. on circuit breaker 10 A (B)	4
Max. ECG no. on circuit breaker 16 A (B)	6
Max. ECG no. on circuit breaker 25 A (B)	9
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Power loss in stand-by mode	< 0.5 W

1) From 0 to 80 W

2) Maximum 24 V

3) Permitted voltage range

4) $\pm 5\%$

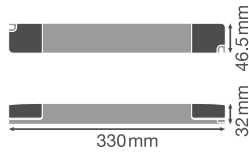
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 92 W

Dimensions & Weight



Length	330.00 mm
Mounting hole spacing, length	318 mm
Width	47.00 mm
Height	32.00 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	6...7 mm
Wire preparation length, output side	6...7 mm
Product weight	320.00 g

Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Temperature range in operation	-25...+45 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At maximum T_c / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming interface	DALI-2
Dimming range	1...100 %
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	I / II
Suitable for emergency lighting	No
Type of connection, output side	Push terminal





Certificates & Standards

Approval marks – approval	CE / CB / ENEC
Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 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	LED DR DALI SUP CV
 Declarations of conformity	DECLARATION OF CONFORMITY LED DR DALI PFM_LED DR SUP
 Declarations of conformity	DECLARATION OF CONFORMITY LED DR DALI PFM_LED DR SUP
 Certificates	CERTIFICATE_LED DR DALI PFM_LED DR SUP

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075421844	Folding box 1	336 mm x 55 mm x 38 mm	359.00 g	0.70 dm ³
4058075421851	Shipping box 10	387 mm x 324 mm x 116 mm	4139.00 g	14.55 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.

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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