PRODUCT DATASHEET
DR-VAL -30/220-240/700

LED DRIVER VALUE | Constant current LED driver with dedicated current

AREAS OF APPLICATION

– Suitable for LED luminaires and LED modules
– Applicable for luminaires of protection classes I and II
– For indoor SELV installations
– Offices, shopping centers, hospitals, restaurants, hotels

PRODUCT BENEFITS

– Suitable for operation with many discrete LED and COB LED
– Excellent price/performance ratio
– 3 years guarantee
– Quick and simple installation
– High efficiency and reliability

PRODUCT FEATURES

– Available in 15 W, 20 W, 30 W, 45 W and 60 W
– Integrated cable clamp for independent installation
– Lifetime: up to 35,000 h (at max. tc temperature)
– Type of protection: IP20
– Dedicated, constant output current
– 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)
– Short-circuit and overlaod protection

TECHNICAL DATA

Electrical data

Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V [1]
Total harmonic distortion	16 % [2]
Power factor λ	0.90 [3]
ECG efficiency	88 % [4]
Device power loss	3.6 W [5]
Protective conductor current	0.4 mA
Inrush current	7 A [6]
Max. ECG no. on circuit breaker 10 A (B)	25
Max. ECG no. on circuit breaker 16 A (B)	40
Max. ECG no. on circuit breaker 25 A (B)	63
Surge capability (L-N)	1 kV
Nominal output voltage	26...43 V [7]
U-OUT (working voltage)	60 V
Nominal output current	700 mA [8]
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	30 W [9]
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3.75 kV

[1] Permitted voltage range

[2] At full load, 220...240 V, 50 Hz

[3] Full load at 230 V

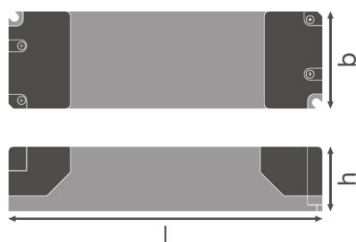[4] At full load and 230 V

[5] At maximum LED load of 31 W

[6] t_{width} = 250 µs (measured at 50 % I_{peak})

[7] Maximum 60 V

[8] ±10%

[9] Partial load 18...30 W

Dimensions & weight

Length	140.0 mm
Width	45.0 mm
Height	28.0 mm
Mounting hole spacing, length	126.0 mm
Mounting hole spacing, width	33.6 mm
Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Product weight	103.00 g
Wire preparation length, input side	5…6 mm
Wire preparation length, output side	5…6 mm
Prewired	No

Colors & materials

Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-10…+50 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	95 °C
Permitted rel. humidity during operation	10…90 % [1]

[1] Maximum 56 days/year at 90%

Lifespan

ECG lifetime	35000 h [1]

[1] At maximum T_c = 85°C / 10% failure rate

Additional product data

Encapsulated	No

Capabilities

Dimmable	No
Overheating protection	No
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
Type of connection, output side	Screw terminal
Suitable for no-load mode operation	Yes

Certificates & standards

Approval marks – approval	CE
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	-20...+75 °C

DOWNLOAD DATA

	File
	User instruction LED DRIVER CONSTANT CURRENT VAL

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075240247	Shipping carton box 10	264 mm x 163 mm x 102 mm	1314.00 g	4.39 dm³

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

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