PRODUCT DATASHEET
DR-VAL -20/220-240/500

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

VALUE CLASS

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 wattage	20.00 W
Nominal output power	20 W [1]
Nominal voltage	220…240 V
Nominal output voltage	28.5…48 V [2]
Input voltage AC	198…264 V [3]
U-OUT (working voltage)	60 V
Type of current	DC
Nominal current	190 mA
Nominal output current	500 mA [4]
Inrush current	10 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50…60 Hz
Total harmonic distortion	14 % [5]
Power factor λ	0.90 [6]
ECG efficiency	88 % [7]
Device power loss	2,9 W [8]
Max. ECG no. on circuit breaker 10 A (B)	38
Max. ECG no. on circuit breaker 16 A (B)	60
Max. ECG no. on circuit breaker 25 A (B)	93
Surge capability (L-N)	0.5 kV
Galvanic isolation	SELV

[1] Partial load 14…24 W

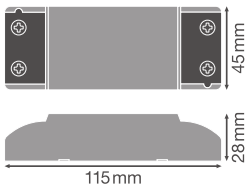[2] Maximum 60 V

[3] Permitted voltage range

[4] ±10%

[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 24 W

Dimensions & Weight

Length	115.00 mm
Mounting hole spacing, length	102,0 mm
Width	45.00 mm
Height	28.00 mm
Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Prewired	No
Wire preparation length, input side	5…6 mm
Wire preparation length, output side	5…6 mm
Product weight	93.00 g

Colors & materials

Product color	White
Casing material	Plastic
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
Temperature range in operation	-10…+50 °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
Dimming interface	Not dimmable
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
Suitable for emergency lighting	No
Type of connection, output side	Screw terminal

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

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LED DRIVER VALUE CC INDOOR
PDF	Declarations of conformity	EU Declaration of Conformity 3581723

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075240216	Folding box 1	49 mm x 31 mm x 121 mm	104.00 g	0.18 dm^3
4058075240223	Shipping box 10	264 mm x 138 mm x 102 mm	1179.00 g	3.72 dm^3
4058075254176	Shipping box 60	436 mm x 283 mm x 240 mm	7616.00 g	29.61 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.