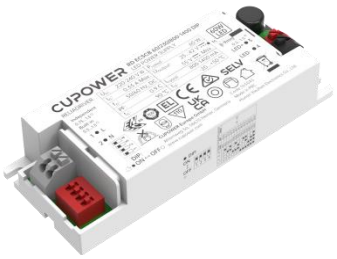
RD ECSCB 60/230/800-1400 DIP

Art. 163045

Product features

- Isolated adjustable power LED driver
- Output current 800…1400 mA by DIP Switch adjust
- Max. output power 58.8 W
- DC emergency
- Current output default value 100%
- For luminaries of protection class I, II
- 5-year warranty



Product specifications

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Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor	Dimension LxWxH (mm)
800…1400 mA	220…240 Vac 220…240 Vdc	25…42 Vdc	92%	± 5%	0.9C	109x43x21

Electrical specifications

Mains voltage supply	
Rated input voltage range	220…240 Vac
Max. input voltage range	198...264 Vac
Rated frequency range	0/50/60 Hz
Max. input current	0.3 A @ 230 Vac

Battery operation	
DC voltage range	220...240 Vdc
Max. DC voltage range	176…276 Vdc

Protection against voltage peaks	
Withstand voltage	I/p-O/p: 3.75 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV
Total harmonic distortion (THD)	
At rated input voltage range @ full load	10%

Output data	
Output current tolerance	± 5% at rated input voltage range
No load output voltage	55 Vdc

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Ripple output current	5% （ripple = peak/average total 100 Hz）
Output PstLM	≤ 1 at full load @ rated input voltage
Output SVM	≤ 0.4 at full load @ rated input voltage

Protection functions output side

Overvoltage protection	The output voltage is less than or equal to 55 V
Overpower protection	-

Dimming operation and interface

Standby power consumption	-

Connection terminals

Connection terminal type	45° Push in terminal
Wire cross section	Input wire: 0.5…1.5 mm² @ Built-in, 0.75…1.5 mm² @ Independent Output wire: 0.2…1.5 mm²
Wire stripping length	8…9 mm

Degree of protection

Protection rating	IP20

Operating data

Output current range	Output current 800…1400 mA by DIP Switch adjust
Default current	800 mA
Output voltage range	25…42 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current Ipeak: 17.2 A			Inrush current Twidth: 362 μs	
	MCB type	B10	C10	B16	C16
	Units	10	16	16	26

Supplementary instructions

- The luminaire manufacturer is responsible for measuring and verifying the EMI compliance of the complete luminaire, as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.

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Environmental specifications

Operating temperature	-20…+50°C
Storage temperature	-25…+85°C
Working humidity	10%…90%
Store humidity	5%…95%
Lifetime	at Tc 90°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	85°C

Safety & EMC compliance

ENEC+CE

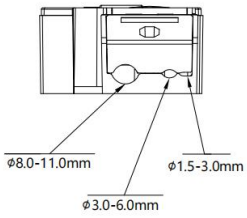
CCC

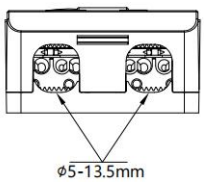
SAA

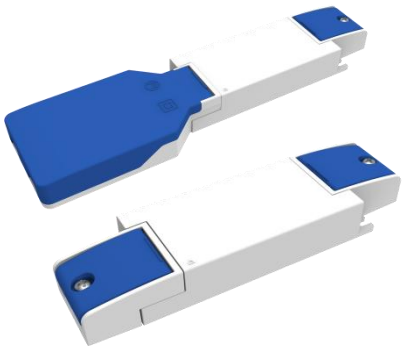
Accessories (optional)

Art. 160037 XZ-ID-A

Art. 160679 XZ-ID-LOOP-A







Dimensions	Length (mm)	Width (mm)	Height (mm)	
XZ-ID-A	38	34	30	
XZ-ID-LOOP-A	107	57	30	
Driver incl. 2 x XZ-ID-A	143	43	30	
Driver incl. XZ-ID-A + XZ-ID-LOOP-A	212	57	30	

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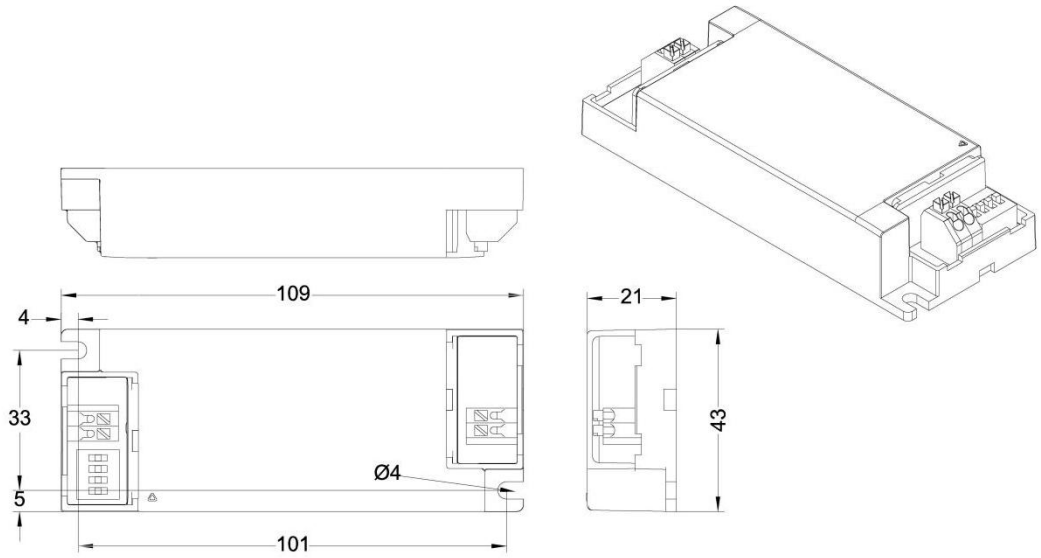
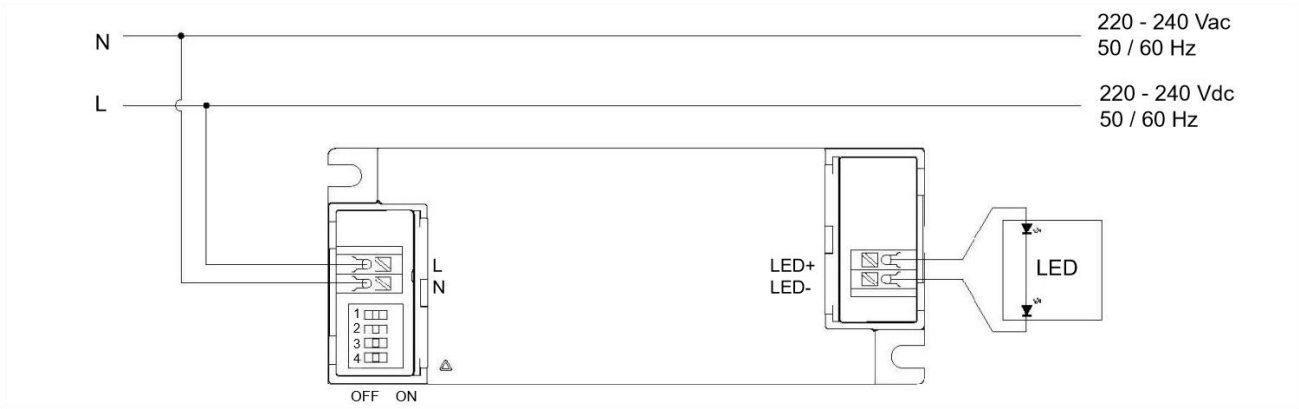
Dimensions

Housing dimensions	
Length (L)	109 mm
Width (W)	43 mm
Height (H)	21 mm
Weight	0.140 kg

Packaging details	
Packing units	60 pcs
Carton size	271 x 230 x 140 mm
Weight	9.0 kg



Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5…10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

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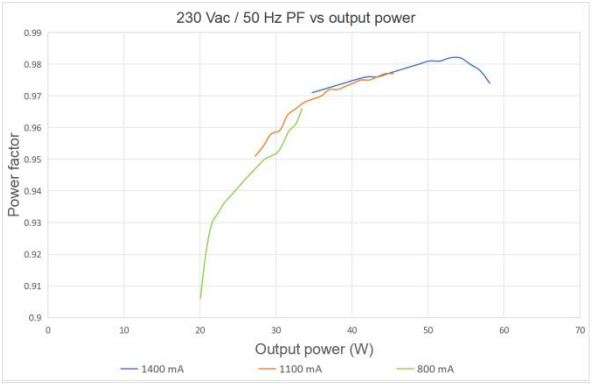
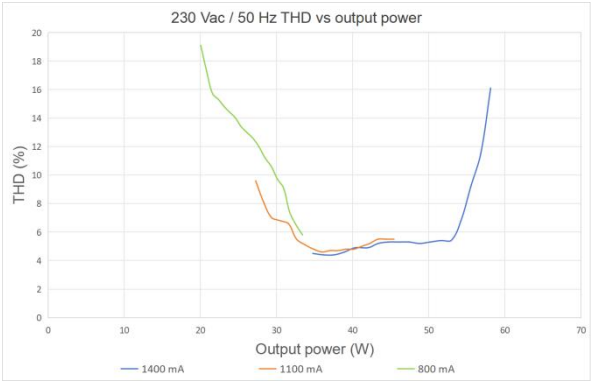
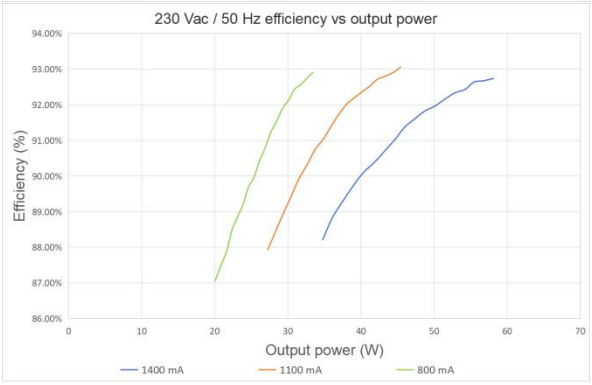
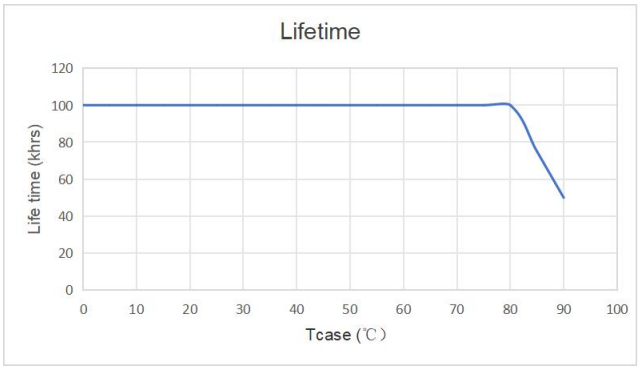
Technical information









Adjust able output current with dip-switch

Vout	Pout	Iout	1	2	3	4
25-42 Vdc	33.6 W	800 mA	-	-	-	-
	35.7 W	850 mA	-	-	-	ON
	37.8 W	900 mA	-	-	ON	-
	39.9 W	950 mA	-	-	ON	ON
	42 W	1000 mA	-	ON	-	-
	44.1 W	1050 mA	-	ON	-	ON
	46.2 W	1100 mA	-	ON	ON	-
	48.3 W	1150 mA	ON	-	-	-
	50.4 W	1200 mA	ON	-	-	ON
	52.5 W	1250 mA	ON	-	ON	ON
	54.6 W	1300 mA	ON	ON	-	-
	56.7 W	1350 mA	ON	ON	ON	-
	58.8 W	1400 mA	ON	ON	ON	ON

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