

Product features

- Isolated adjustable power LED driver
- Output current 700...1050 mA by DIP Switch adjust
- Max. output power 42 W
- For luminaries of protection class I, II
- 5-year warranty
- DC emergency
- Current output default value 700mA



Product specifications

163038 RD ECSCB 42/230/700-1050 DIP

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor	Dimension LxWxH (mm)
700 mA	220...240 Vac 220...240 Vdc	25...42 Vdc	93%	±5%	> 0.9	97×43×21.4
750 mA						
800 mA						
850 mA						
900 mA						
950 mA						
1000 mA						
1050 mA						

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	0.24 A @ 230 Vac

Battery operation

DC voltage range	220...240 Vdc
Max. DC voltage range	176...280 Vdc

Protection against voltage peaks

Withstand voltage	I/P-O/P: 3 kVac, < 5 mA 60 sec,
Mains surge immunity	L-N 1 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	10%
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Output data

Output current tolerance	± 5% at rated input voltage range
No load output voltage	55 Vdc
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	The output power is less than or equal to 48 W

Dimming operation and interface

Standby power consumption	-
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Connection terminals

Connection terminal type	45° push in terminal
Wire cross section	Input wire: 0.5...1.5 mm ² @ Built-in, 0.75...1.5 mm ² @ Independent Output wire: 0.2...1.5 mm ²
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
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Operating data

Output current range	Output current 700...1050 mA by DIP Switch adjust
Default current	700 mA
Output voltage range	25...42 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 17.2 A			Inrush current T _{width} : 230 μs	
	MCB type	B10	C10	B16	C16
	Units	26	40	42	65

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.

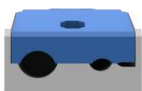
Environmental specifications

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

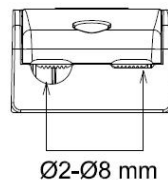
Safety & EMC compliance

ENEC+CE	CCC	SAA
EN 61347-1:2015/A1:2021		AS 61347.2.13:2018
EN 61347-2-13:2014/A1:2017		AS/NZS 61347.1:2016 + A1 Lamp Control Gear - Part 2-13
EN 62493:2015/A1:2022		
EN IEC 62384:2020		
EN IEC 55015:2019/A11:2020		
EN IEC 61547:2023		
EN IEC 61000-3-2:2019/A1:2021		
EN 61000-3-3:2013/A2:2021		

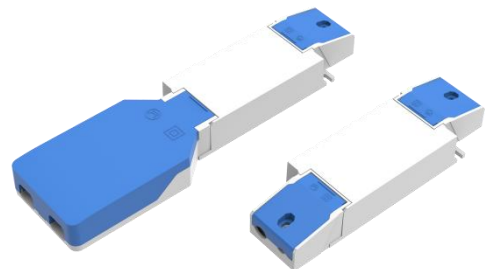
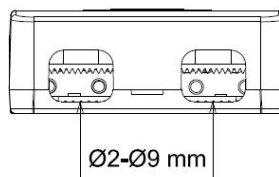
Accessories (optional)



Art. 163397 XZ-ID-D



Art. 163403 XZ-ID-LOOP-D



Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-ID-D	38	33	21.4
XZ-ID-LOOP-D	101.6	56.5	21.4
Driver incl. 2 x XZ-ID-D	143.53	43	21.4
Driver incl. XZ-ID-D + XZ-ID-LOOP-D	207.23	56.5	21.4

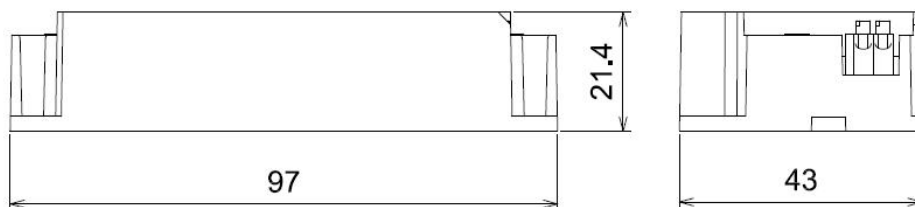
Dimensions

Housing dimensions

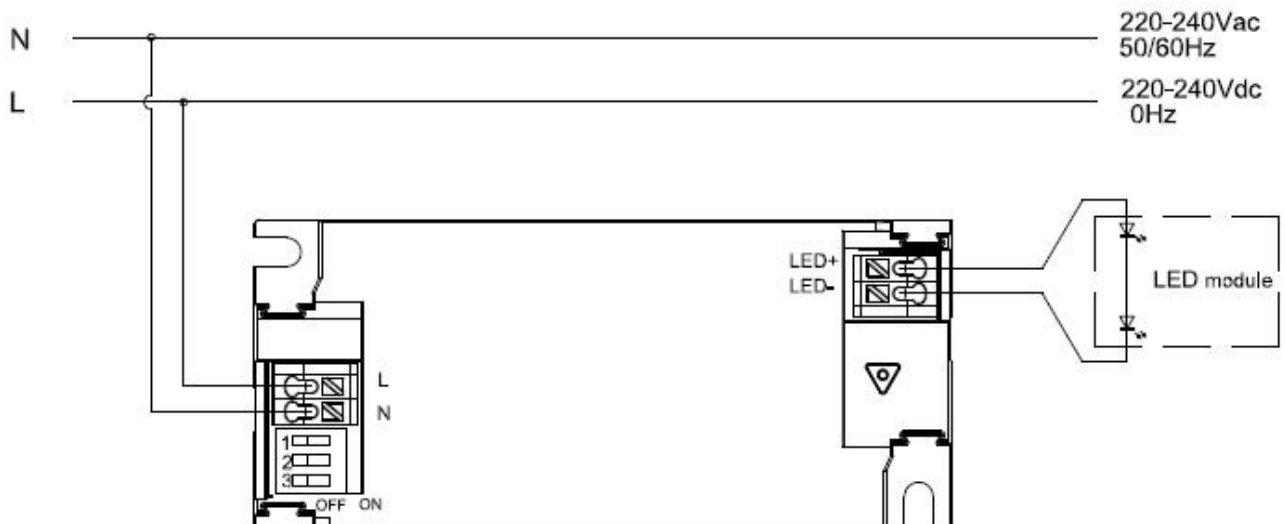
Length (L)	97 mm
Width (W)	43 mm
Height (H)	21.4 mm
Weight	0.081 kg

Packaging details

Packing units	60 pcs
Carton size	303 x 225 x 120 mm
Weight	5.25 kg

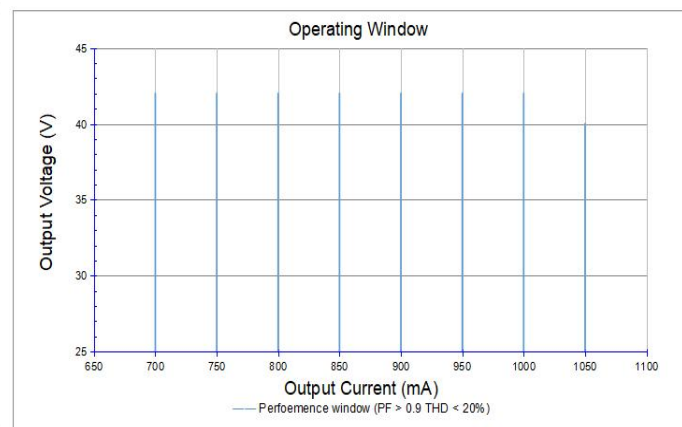
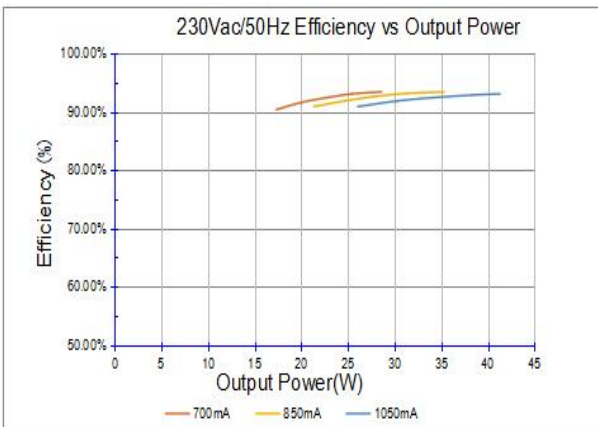
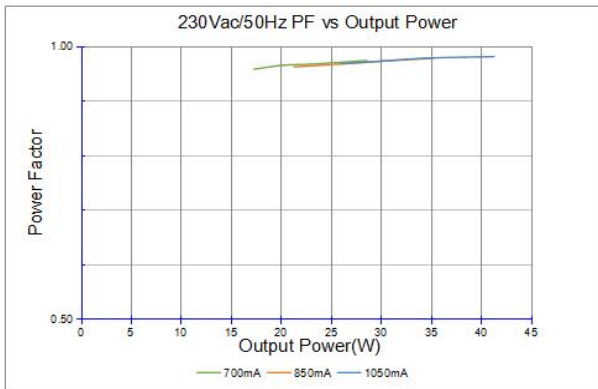


Wiring diagram



- 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 circuits.

Technical information



ADJUSTABLE OUTPUT CURRENT WITH DIP-SWITCH					
Vout	Pout	Iout	1	2	3
25...42 Vdc	29.4 W	700 mA	-	-	-
	31.5 W	750 mA	-	-	ON
	33.6 W	800 mA	-	ON	-
	35.7 W	850 mA	-	ON	ON
	37.8 W	900 mA	ON	-	-
	39.9 W	950 mA	ON	-	ON
25...40 Vdc	40 W	1000 mA	ON	ON	-
	39.9 W	1050 mA	ON	ON	ON