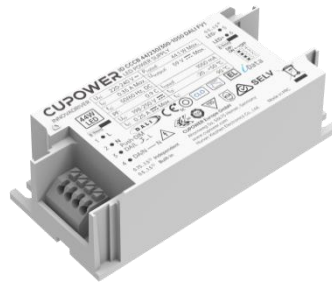


Product features



- Stand alone type Dimmable adjustable output power LED driver
- Supports DALI-2, push DIM
- Flicker free LED driver, DALI-2 certified incl. Parts 251, 252, 253
- Output current: 300 mA, 350 mA, 400 mA, 450 mA, 500 mA, 550 mA, 600 mA, 650 mA, 700 mA, 750 mA, 800 mA, 850 mA, 900 mA, 950 mA, 1000 mA, 1050 mA
- Max. output power 44.1 W
- Constant lumen output (CLO)
- For luminaires with protection class I, II
- 5-year warranty



Product specifications

161317 ID CCCB 44/230/300-1050 DALI FV1

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor	Dimension LxWxH (mm)
300...1050 mA	220...240 Vac 198...250 Vdc	6...52 Vdc	89%	± 5%	0.9	97 x 43 x 30

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	0.35 A @ 230 Vac

Battery operation

DC voltage range	198...250 Vdc
Max. DC voltage range	176...276 Vdc

Protection against voltage peaks

Withstand voltage	I/p-O/p: 3.75kVac, < 5mA 60 sec; I/p-DA/p: 1.5 kVac, < 5 mA 60 sec; O/p-DA/p: 1.5 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV, DA/L-DA/N 1 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	15%
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Output data

Output current tolerance	± 5% at rated input voltage range
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No load output voltage	≤ 59 Vdc
Ripple output current	4% (ripple = peak/average total 3 KHz)
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 59 V
Overpower protection	The output power is less than or equal to 49 W

Dimming operation and interface

Standby power consumption	≤ 0.5 W
Dimming mode	DALI-2, push DIM
Dimming method	Amplitude dimming
Dimming current range	1%~100%

Connection terminals

Connection terminal type	Push in terminal
Wire cross section	Primary side: Built-in 0.5...1.5 mm ² ,Independent 0.75...1.5 mm ² secondary side: 0.5...1.5 mm ²
Wire stripping length	7...8 mm

Degree of protection

Protection rating	IP20
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Operating data

Output current range	DIP control adjusts the current: 300 mA, 350 mA, 400 mA, 450 mA, 500 mA, 550 mA, 600 mA, 650 mA, 700 mA, 750 mA, 800 mA, 850 mA, 900 mA, 950 mA, 1000 mA, 1050 mA;
Default current	300 mA
Output voltage range	6...52 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 3.26 A			Inrush current T _{width} : 34 μs	
	MCB type	B10	C10	B16	C16
	Units	38	38	60	60

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.
- For the push DIM function, please follow our instructions, which can be downloaded from www.cupower.com.

Environmental specifications

Operating temperature	-20...+50°C
Storage temperature	-40...+80°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc 90°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	90°C

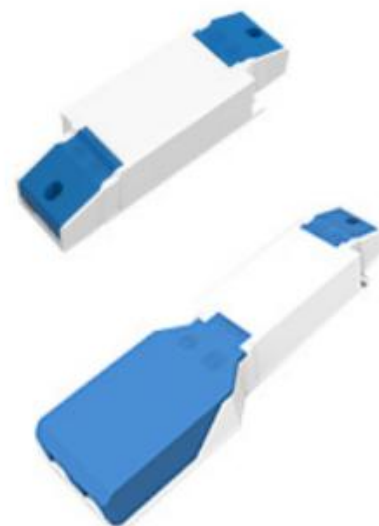
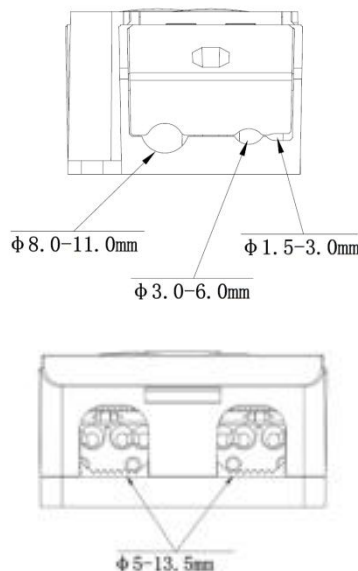
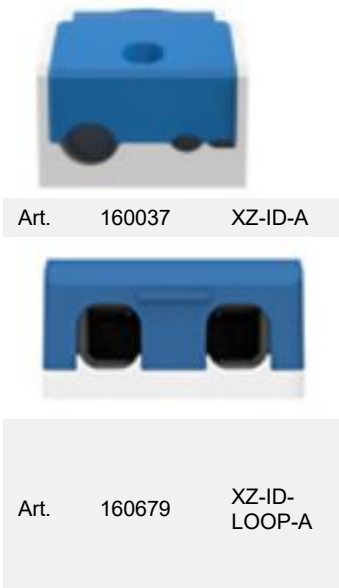
Safety & EMC compliance

ENEC+CE
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015/A1:2021
EN 62384:2006/A1:2009
EN 55015:2013/A1:2015
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61547:2009
EN IEC 62384:2020
EN 62493:2015

CCC

SAA
AS/NZS IEC 61347.2.13.2013
AS/NZS 61347.1:2016

Accessories (optional)



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

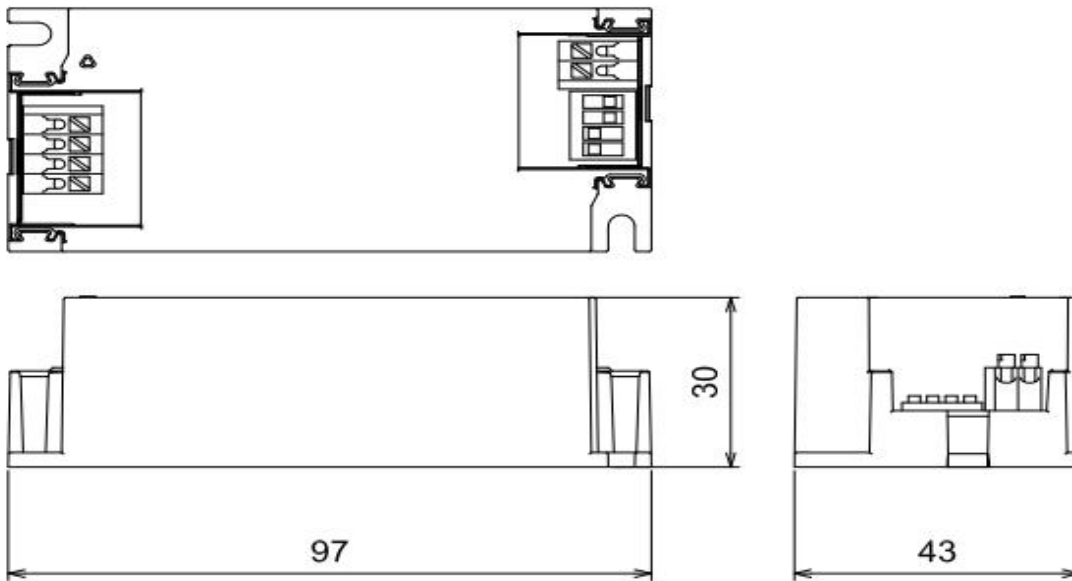
Dimensions

Housing dimensions

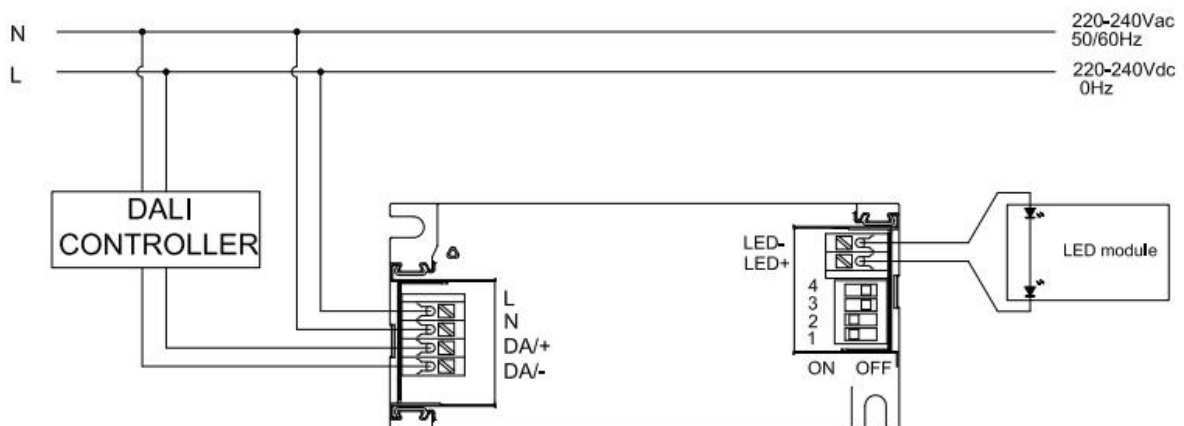
Length (L)	97 mm
Width (W)	43 mm
Height (H)	30 mm
Weight	0.14 kg

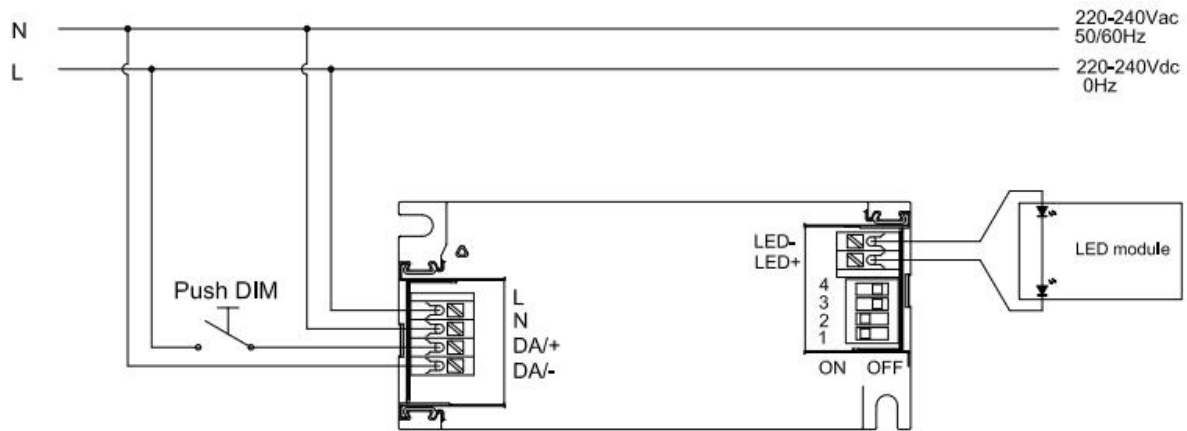
Packaging details

Packing units	45 pcs.
Carton size	303 x 225 x 120 mm
Weight	6.8 kg



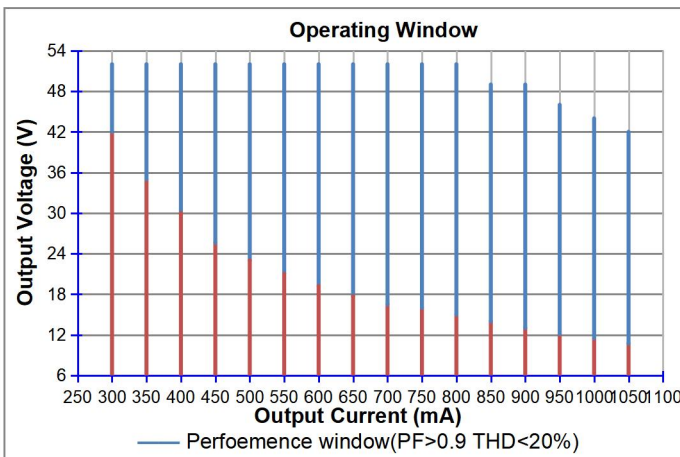
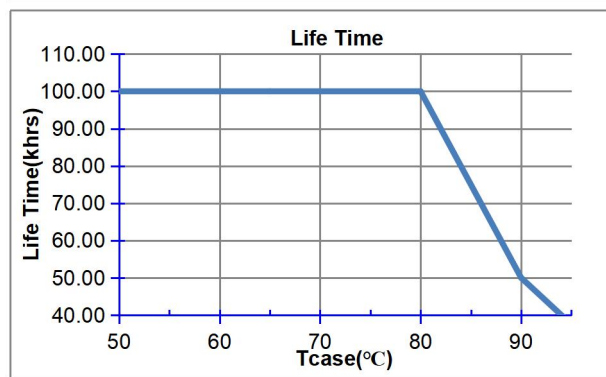
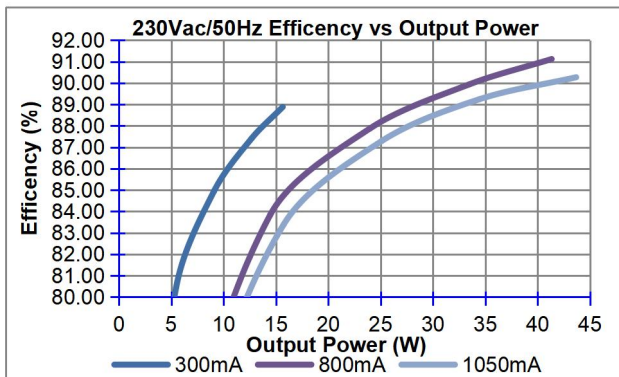
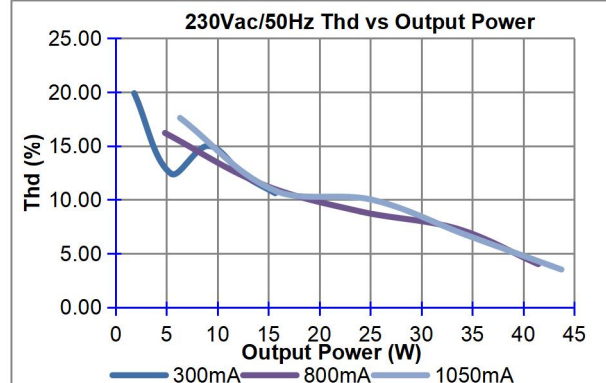
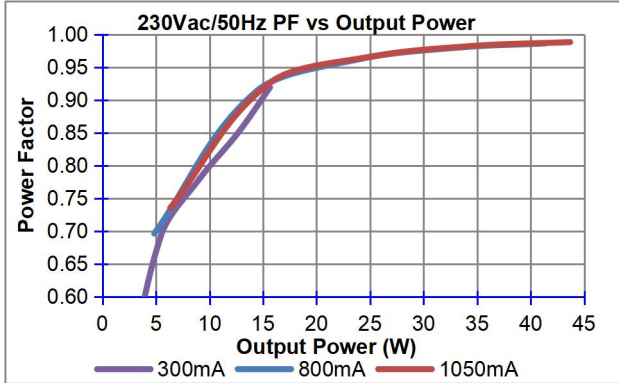
Wiring diagram





- 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).
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

Technical information



It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within 44 W + 5%.

Adjustable output current with DIP-switch

Vout (V)	Pout (W)	Iout (mA)	1	2	3	4
6-52	15.6	300	-	-	-	-
6-52	18.2	350	-	-	-	ON
6-52	20.8	400	-	-	ON	-
6-52	23.4	450	-	-	ON	ON
6-52	26	500	-	ON	-	-
6-52	28.6	550	-	ON	-	ON
6-52	31.2	600	-	ON	ON	-
6-52	33.8	650	-	ON	ON	ON
6-52	36.4	700	ON	-	-	-
6-52	39	750	ON	-	-	ON
6-52	41.6	800	ON	-	ON	-
6-49	41.7	850	ON	-	ON	ON
6-49	44.1	900	ON	ON	-	-
6-46	43.7	950	ON	ON	-	ON
6-44	44	1000	ON	ON	ON	-
6-42	44.1	1050	ON	ON	ON	ON