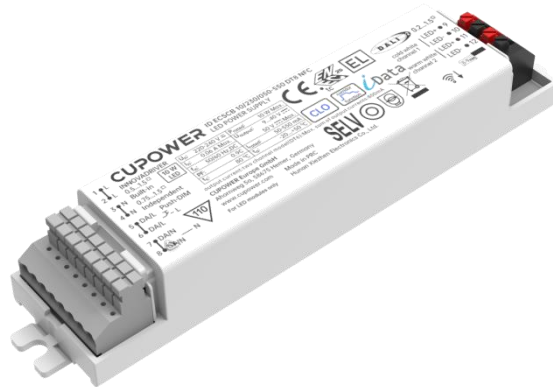


Product features

- Isolated adjustable power color temperature LED driver
- Supports DALI-2, push DIM control
- Usable as DT6 (2-channel) or DT8 (tunable white) driver
- Current adjustment via NFC
- Supports i-Data function (DALI part 251, 252, 253)
- Output current 50...550 mA
- Max. output power 10 W
- DC emergency
- Flicker-free
- Current output default value 100%
- For luminaires with protection class I, II



Product specifications

110601 ID ECSCB 10/230/050-550 DT8 NFC

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
50...100 mA	220...240 Vac	9...40 Vdc	82%	±8 mA	0.9 (Output Power > 5 W)	125.0 x 29.0 x 21.0
100...550 mA	220...240 Vdc			± 5%		

Electrical specifications

Mains voltage supply

Rated input voltage range	220...240 Vac; performance range
Max. input voltage range	198...264 Vac; operational safety range
Rated frequency range	0/50/60 Hz
Performance / Operational safety	47...63 Hz
Max. input current	0.055 A @ 230 Vac & 0.055 A @ 230 Vdc

Battery operation

DC voltage range	220...240 Vdc; performance range
Max. DC voltage range	176...276 Vdc; operational safety range

Protection against voltage peaks

Withstand voltage	I/p-O/p: 3 kVac, < 5 mA 60 s I/p-Da: 1.5 kVac, < 5 mA 60 s O/p-Da: 1.5 kVac, < 5 mA 60 s
Mains surge immunity	L-N 1 kV per IEC 61000-4-5

Total harmonic distortion (THD)

At rated input voltage range @ full load	≤ 10%
--	-------

Output data

Output current tolerance	± 5% at rated input voltage performance range
No load output voltage	≤ 50 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
DC emergency level	Dimming level, CCT level (Programmable)

Protection functions output side

Overvoltage protection	The output voltage is less than or equal to 50 V
Overpower protection	The output power is less than or equal to 11 W
Short circuit protection	Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Dimming operation and interface

Standby power consumption	≤ 0.30 W
Dimming mode	DALI-2, push dimming
Dimming method	Amplitude dimming
Dimming current range	1%...100% (1.6...550 mA)

Connection terminals

Connection terminal type	0° Push in terminal
Wire cross section mains input	0.5...1.5 mm² stranded and solid-core;
Wire cross section control input	0.5...1.5 mm² stranded and solid-core ;
Wire cross section output	0.2...1.5 mm² stranded and solid-core
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
-------------------	------

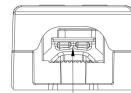
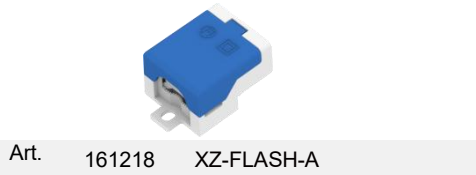
Operating data

Output current range (DT8)	NFC control adjusts the current: 50...550 mA
Output current range (DT6)	NFC control adjusts the current: 50...550 mA per channel Max sum of output current: 800 mA
Default current	50 mA (DT8)
Output voltage range	9...40 Vdc

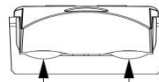
Circuit breaker / Inrush current

MCB loading quantity	Inrush current Ipeak: TBD A			Inrush current Twidth: TBD µs	
	MCB type	B10	C10	B16	C16
	Units	TBD	TBD	TBD	TBD

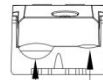
Accessories (optional)



Wire diameter
 $\phi 3.5\text{--}\phi 9.5\text{mm}$

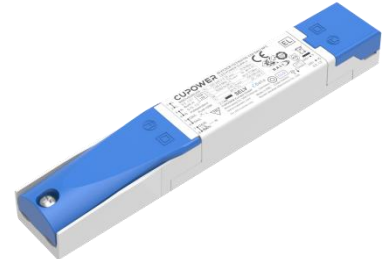


Wire diameter
 $\phi 3.5\text{--}\phi 10.5\text{mm}$



Wire diameter
 $\phi 6\text{--}\phi 11.5\text{mm}$

Wire diameter
 $\phi 2\text{--}\phi 6\text{mm}$



Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-FLASH-A	40.2	29.0	21.0
XZ-FLASH-LOOP-A	72.8	30.0	21.0
XZ-FLASH-B	53.6	29.0	21.0
Driver incl. XZ-FLASH-A + XZ-FLASH-LOOP-A	205.0	30.0	21.0
Driver incl. XZ-FLASH-B + XZ-FLASH-A	185.5	29.0	21.0
Driver incl. XZ-FLASH-B + XZ-FLASH-B	198.8	29.0	21.0
Driver incl. XZ-FLASH-B + XZ-FLASH-LOOP-A	208.0	30.0	21.0
Driver incl. XZ-FLASH-A + XZ-FLASH-A	172.0	29.0	21.0

Dimensions

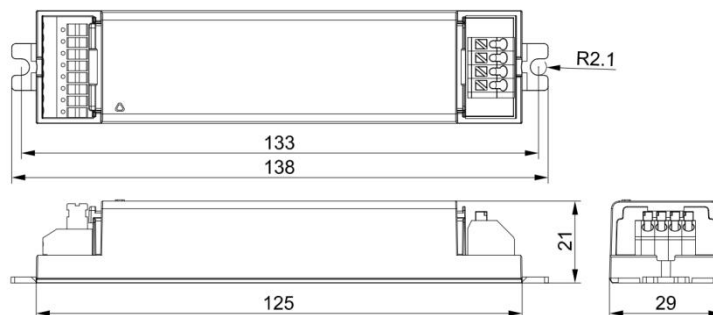
Housing dimensions

Length (L)	125.0 mm
Width (W)	29.0 mm
Height (H)	21.0 mm

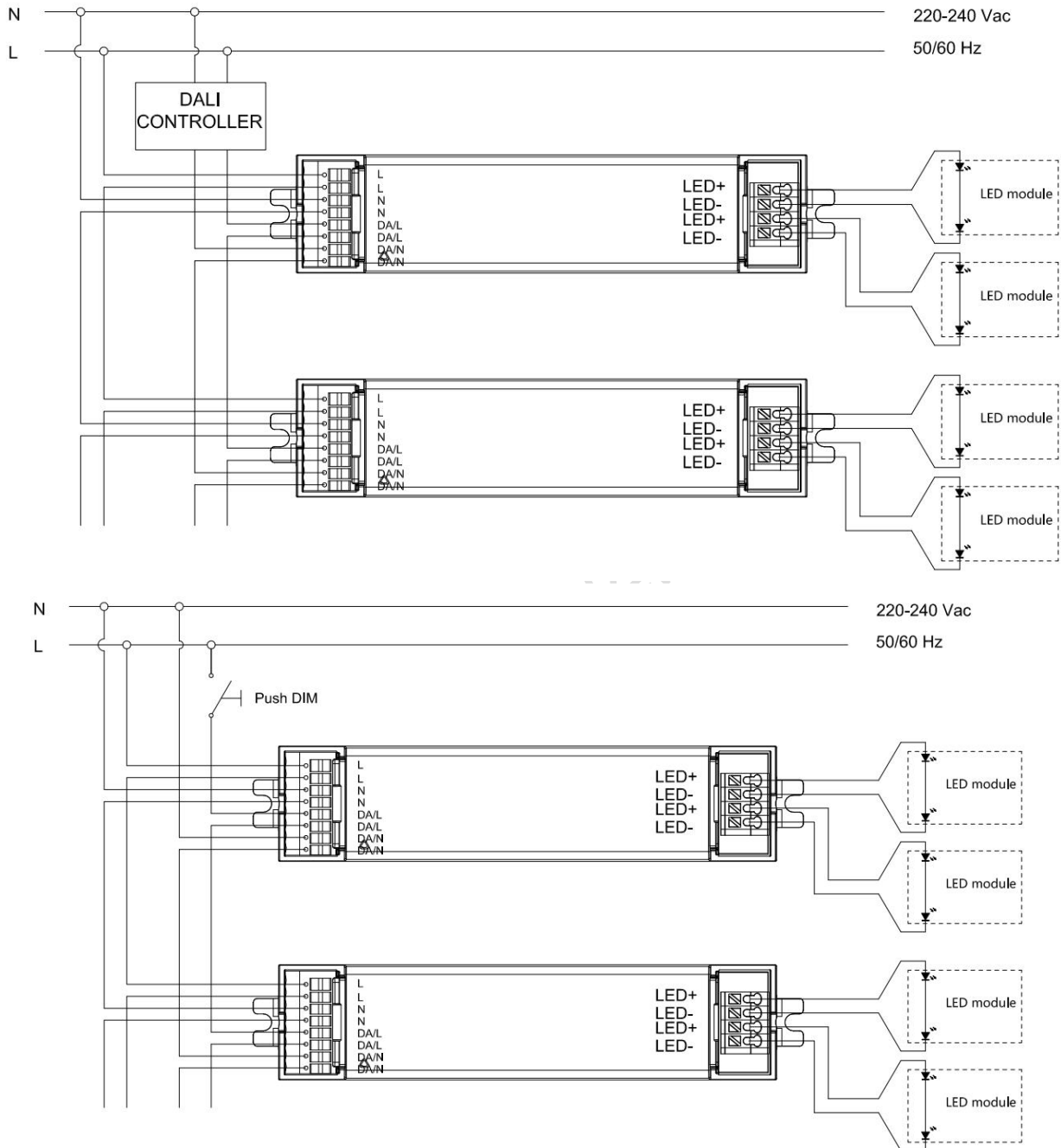
For all dimensions: values in mm; tolerances: ± 0.5 mm

Packaging details

Packing units	TBD pcs
Carton size	TBD x TBD x TBD mm
Carton weight	TBD kg
Product Weight	TBD 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.