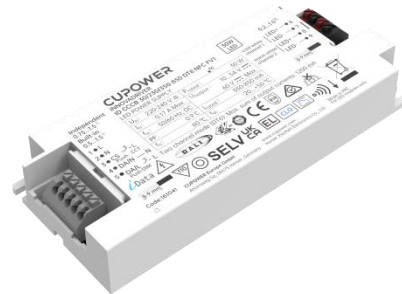


Product features

- Isolated adjustable power color temperature LED driver
- Supports DALI-2, push DIM control , push CCT control
- Usable as DT6 (2-channel) or DT8 (tunable white) driver
- NFC control adjusts the current
- Current adjustment via NFC
- Supports i-Data function (DALI part 251, 252, 253)
- Output current 350...850 mA
- Max. output power 30 W
- Flicker-free LED driver
- For luminaries of protection class I, II
- DC emergency



Product specifications

161041 ID CCCB 30/230/350-850 DT8 NFC FV1

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
350 ...850 mA	220...240 Vac 220...240 Vdc	10...54 Vdc	Up to 90%	± 5%	0.9 (@ 10...30 W)	135 x 56.5 x 21

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	0.17A @ 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, I/P-DA: 1.5 kVac, <5 mA 60 sec; O/P-DA: 1.5 kVac, <5 mA 60 sec
Mains surge immunity	L-N 1 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	20%
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Output data

Output current tolerance	± 5% at rated input voltage range
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	Current output decreased to 15 % (programmable)

Protection functions output side

Overvoltage protection	The output voltage is less than or equal to 60 V
Overpower protection	The output power is less than or equal to 36 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	≤ 0.3 W
Dimming mode	DALI-2, push dimming, push CCT dimming
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: 0.2...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 (DT8)	NFC control adjusts the current: 350...850 mA
Output current range (DT6)	NFC control adjusts the current: 350...850 mA per channel Max sum of output current: 1200 mA
Default current	350 mA
Output voltage range	10...54 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 4.69 A			Inrush current T _{width} : 40.5 μs	
	MCB type	B10	C10	B16	C16
	Units	53	53	84	84

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.
- The recommended NFC communication distance: 5...20 mm.

Environmental specifications

Operating temperature	-20...+50°C
Storage temperature	-25...+85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime (max. 10% failures)	at Tc 80°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	80°C

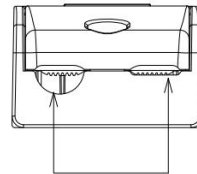
Safety, EMC & performance compliance

ENEC+CE	CCC	SAA
EN 61347-1:2015/A1:2021		AS/NZS IEC 61347.2.13:2013
EN 61347-2-13:2014/A1:2017		AS/NZS 61347.1:2016
EN 62384:2020		
EN 300 330 V2.11:2017		
EN 62479:2010		
EN 50663:2017		
EN 301 489-1 V2.2.3:2019		
EN 301 489-3 V2.3.2:2023		
EN 55015:2019/A11:2020		
EN 61547:2009		
EN 61000-3-2:2019/A1:2021		
EN 61000-3-3:2013/A2:2021		
EN 62493:2015/A1:2022		

Accessories (optional)



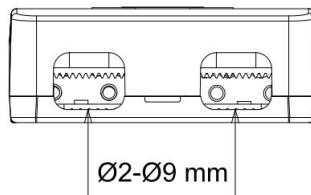
Art 161195 XZ-ID-C



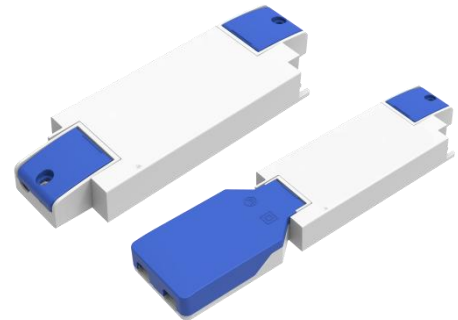
Ø2-Ø8 mm



Art 161201 XZ-ID-LOOP-C



Ø2-Ø9 mm



Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-ID-C	39	33	21
XZ-ID-LOOP-C	105	56.5	21
Driver incl. 2 x XZ-ID-C	177	56.5	21
Driver incl. XZ-ID-C + XZ-ID-LOOP-C	242.8	56.5	21

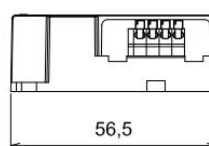
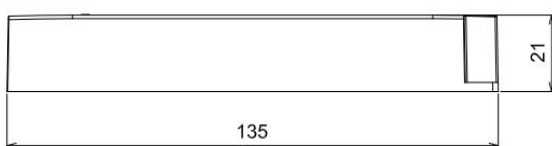
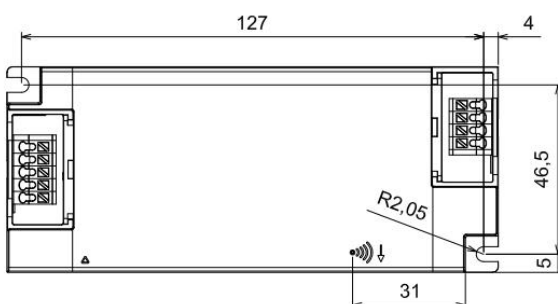
Dimensions

Housing dimensions

Length (L)	135 mm
Width (W)	56.5 mm
Height (H)	21 mm
Weight	0.117 kg

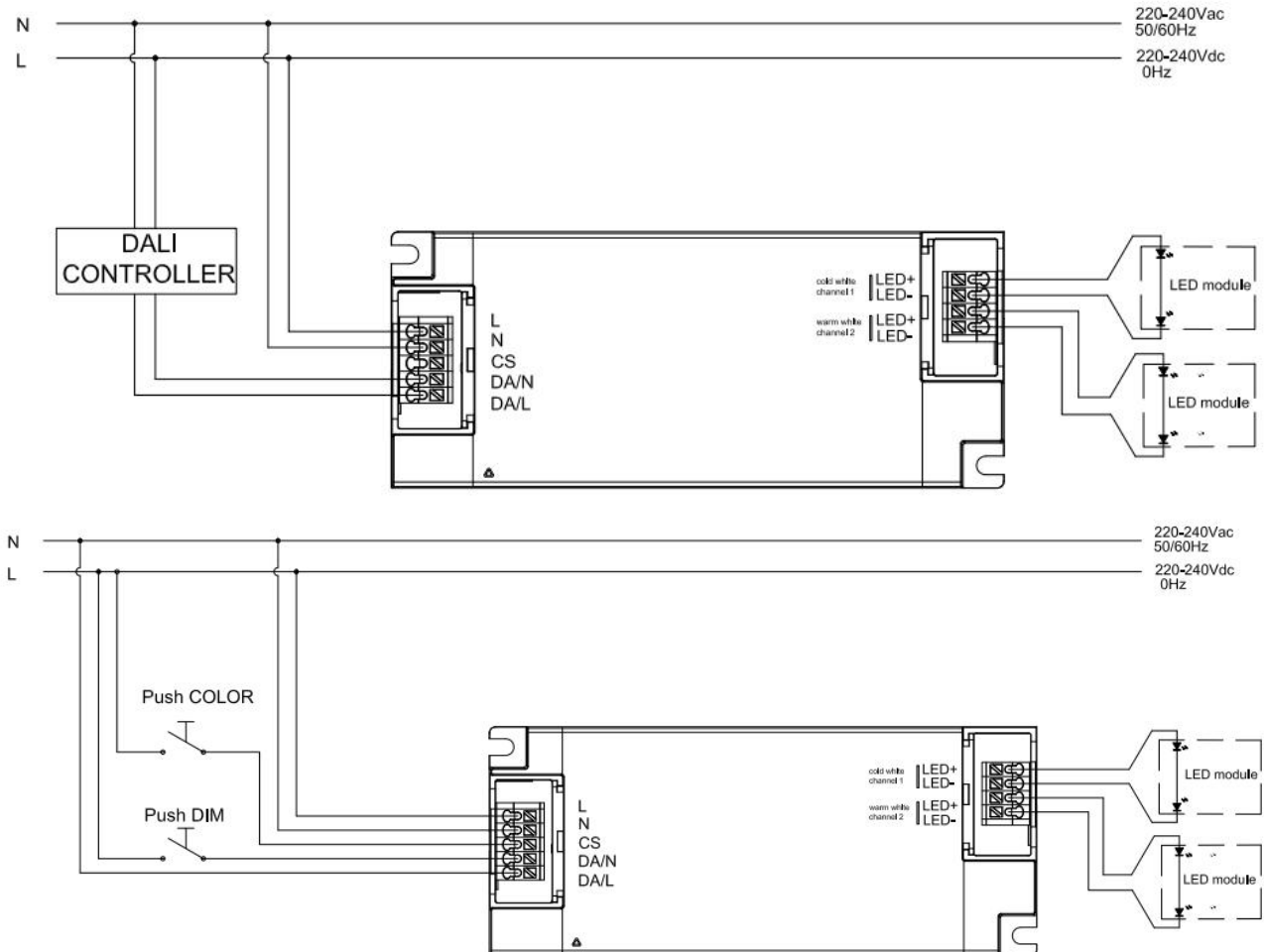
Packaging details

Packing units	24 pcs
Carton size	280 x 179.5 x 114 mm
Weight	4 kg



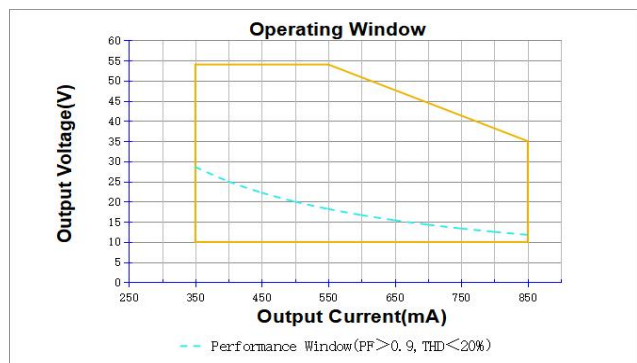
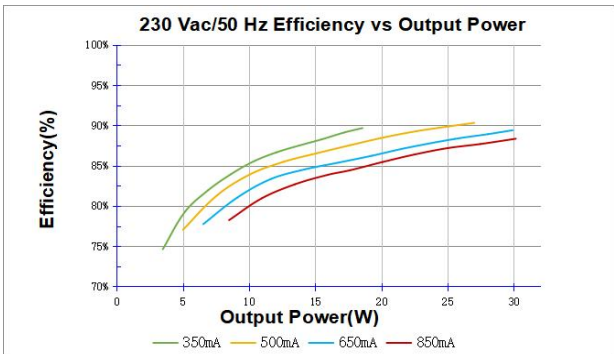
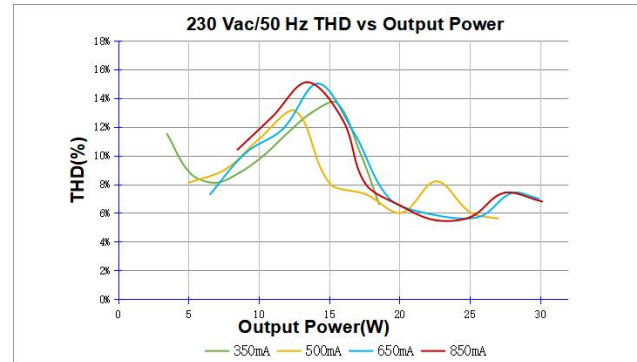
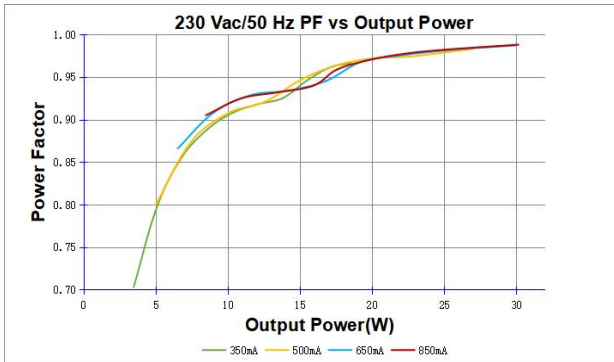
Unit: mm
Recommended mounting screw type M4
page 4

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 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 30 W + 5%.

Example of AOC settings

V_LED (Vdc)	AOC_max	P_out (W)
54	350 mA	18.9
50	600 mA	30
46	650 mA	30
35	850 mA	30