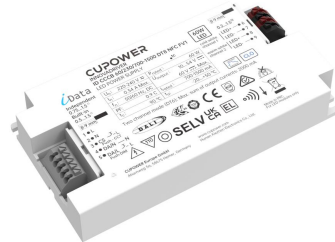


Product features



- 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
- Current adjustment via NFC
- Supports i-Data function (DALI part 251, 252, 253)
- Output current 700...1500 mA
- Max. output power 60 W
- DC emergency
- Flicker-free, dimming range 1%...100% (amplitude dimming)
- Current output default value 100%
- For luminaires with IEC protection class I, II
- Anti-glow



Product specifications

680010 ID CCCB 60/230/700-1500 DT8 NFC FV1

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
700...1500 mA	220...240 Vac 220...240 Vdc	10...54 Vdc	90% (@ 54 V 1100 mA)	± 5%	0.9 (Output Power > 26 W)	135.0 x 70.0 x 21.0

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	0.34 A @ 230 Vac & 0.34 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 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 per IEC 61000-4-5

Total harmonic distortion (THD)

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

Output current tolerance	$\pm 5\%$ at rated input voltage performance range
No load output voltage	≤ 60 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 60 V
Overpower protection	The output power is less than or equal to 66 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, push CCT dimming
Dimming method	Amplitude dimming
Dimming current range	1%...100% (7...1500 mA)

Connection terminals

Connection terminal type	45° push in terminal
Wire cross section mains input	Built-in: 0.5...1.5 mm ² stranded and solid-core; Independent: 0.75...1.5 mm ² stranded and solid-core
Wire cross section control input	Built-in: 0.5...1.5 mm ² stranded and solid-core ; Independent: 0.75...1.5 mm ² stranded and solid-core
Wire cross section output	0.2...1.5 mm ² stranded and solid-core
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: 700...1500 mA
Output current range (DT6)	NFC control adjusts the current: 300...1300 mA per channel Max sum of output current: 2000 mA
Default output current	700 mA (DT8)
Output voltage range	10...54 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 8.04 A			Inrush current T _{width} : 50 μ s	
	MCB type	B10	C10	B16	C16
	Units	27	27	43	43

Environmental specifications

Operating temperature	-20... +50°C
Storage temperature	-25... +85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime	at Tc 80°C: 50,000 hrs @ 230 Vac (0.2% / 1,000 h failure rate)
Maximum Tc temperature	90°C

Safety & EMC compliance

ENEC+CE
EN 61347-1: 2015/A1:2021
EN 61347-2-13: 2014/A1: 2017
EN 62384: 2020
EN 300 330 V2.11: 2017
EN 62479: 2010
EN 50663: 2017
EN 301 489-1 V2.2.3:2019
EN 301 489-3V2.3.2: 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

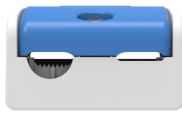
CCC
GB 17625.1-2022
GB/T 17743-2021
GB 19510.1-2023
GB 19510.14-2023

BIS
IS 15885 (Part 2/Sec13):2012+A1: 2015
S15885 (Part1):2011+A1:2015
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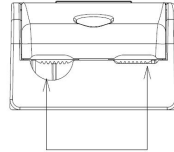
SAA
AS/ 61347.2.13: 2018
AS/NZS 61347.1: 2016+ A1 Lamp Control Gear- Part 2-13

DALI-2 Acc. to EN 62386
Acc. to IEC 62386-101:Ed2
Acc. to IEC 62386-102:Ed2
Acc. to IEC 62386-207:Ed1
Acc. to IEC 62386-209:Ed1
Acc. to IEC 62386-251:Ed2
Acc. to IEC 62386-252:Ed2
Acc. to IEC 62386-253:Ed2

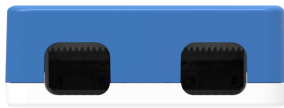
Accessories (optional)



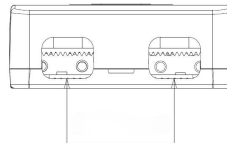
Art. 161195 XZ-ID-C



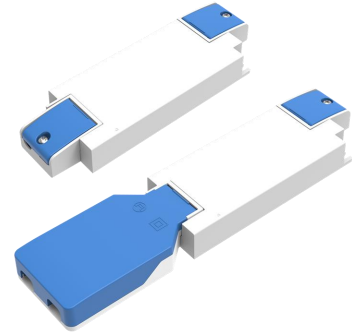
Ø2-Ø8 mm



Art. 161201 XZ-ID-LOOP-C



Ø2-Ø9 mm



Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-ID-C	39.0	33.0	21.0
XZ-ID-LOOP-C	105.0	56.5	21.0
Driver incl. 2 x XZ-ID-C	177.0	70.0	21.0
Driver incl. XZ-ID-C + XZ-ID-LOOP-C	242.8	70.0	21.0

Dimensions

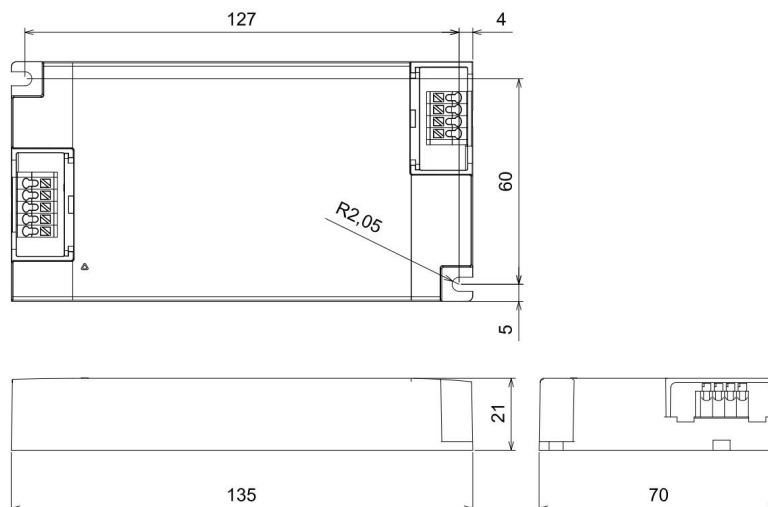
Housing dimensions

Length (L)	135.0 mm
Width (W)	70.0 mm
Height (H)	21.0 mm

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

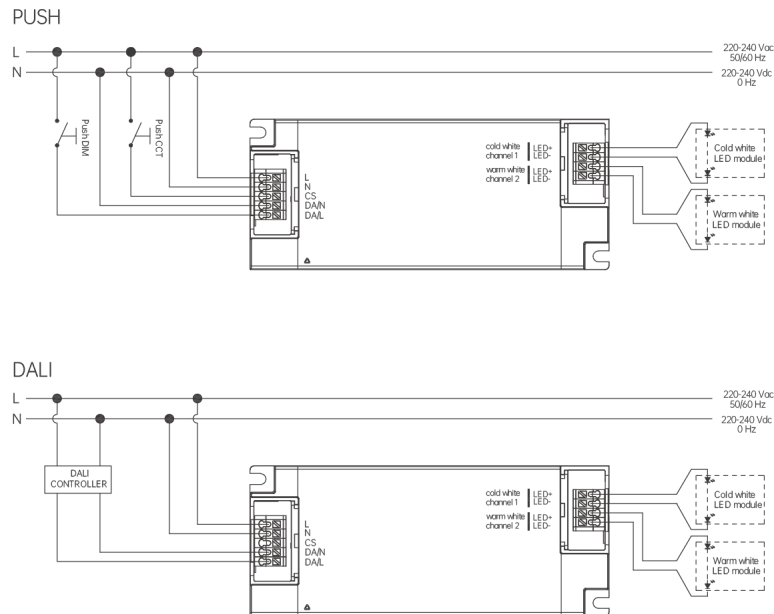
Packaging details

Packing units	24 pcs.
Carton size	280 x 220 x 114 mm
Carton weight	6.4 kg
Product weight	0.242 kg



Recommended mounting screw type M4

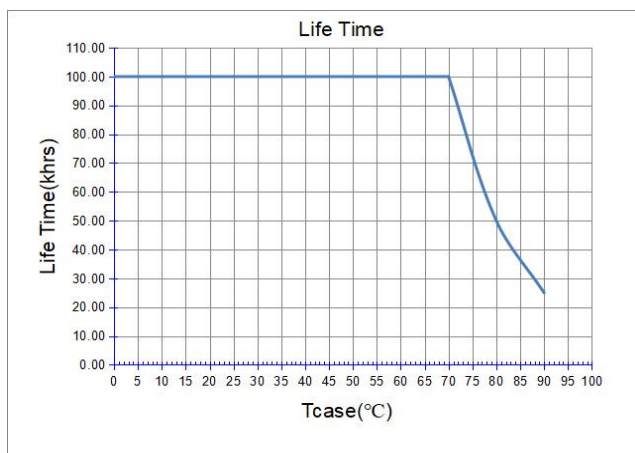
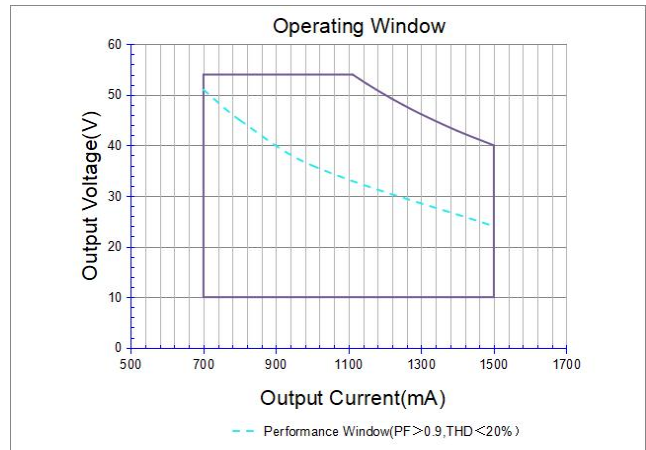
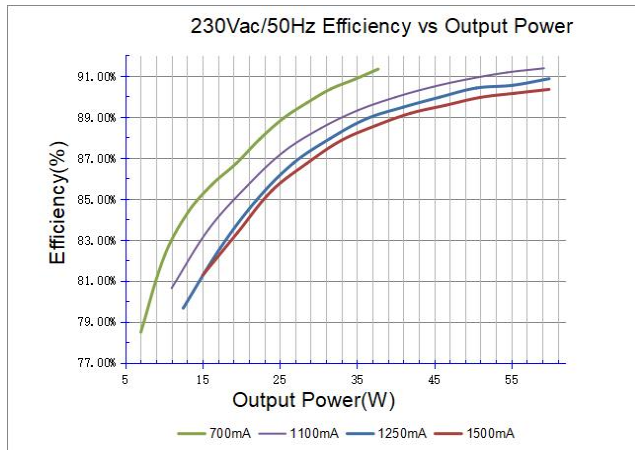
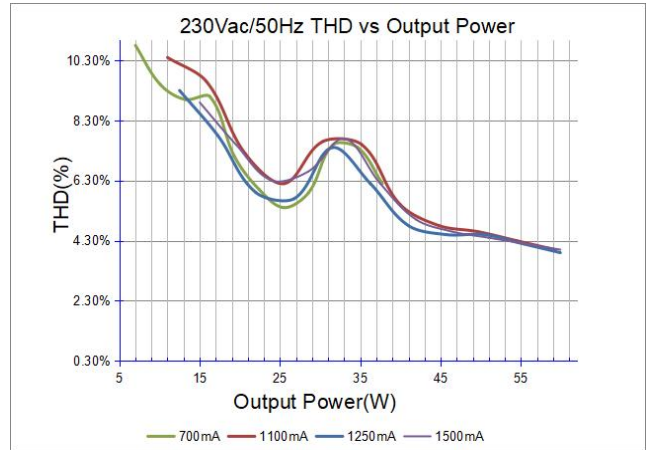
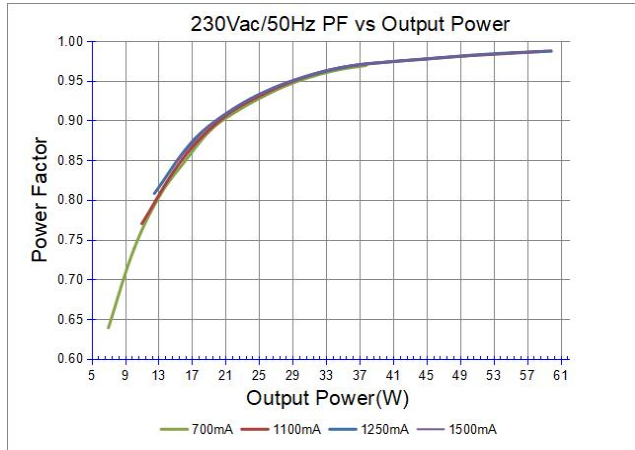
Wiring diagram



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. 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.
- The recommended NFC communication distance: 5...20 mm.
- Before adjusting the color temperature, connect the driver to a PUSH DIM button and press it for >1 s to enter PUSH mode. Then adjust using the Colour Switch.
- For the PUSH DIM instruction manual, please refer to the link: [CUPOWER PUSH DIM Manual](#)
- For the Corridor Function instruction manual, please refer to the link: [CUPOWER Corridor Function Manual](#)

Technical information



at Tc 80 °C (0.2 % / 1,000 h failure rate)

It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within 60 W + 5%.

Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
54	700 mA	37.8
54	1100 mA	59.4
48	1250 mA	60
40	1500 mA	60