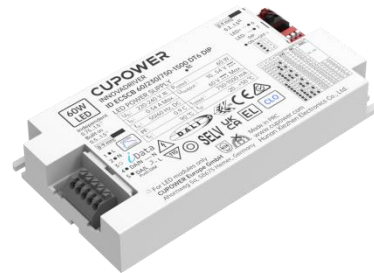


Product features

- Isolated adjustable power LED driver
- Supports DALI-2
- Current adjustment via DIP
- Supports i-Data function (DALI part 251, 252, 253)
- Output current 750...1500 mA
- Max. output power 60 W
- DC emergency
- Flicker-free
- For luminaires with IEC protection class I, II
- Anti-glow



Product specifications

168934 ID ECSCB 60/230/750-1500 DT6 DIP

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
750 ...1500 mA	220...240 Vac 220...240 Vdc	10...54 Vdc	90% (@ 54 V 1100 mA)	± 5%	0.9 (@ 26...60 W)	135.0 x 70.0 x 21.0

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	0.34 A @ 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 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
Control interface surge immunity	DA - DA, 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	± 5% at rated input voltage performance range
No load output voltage (OCV)	≤ 60 Vdc
Ripple output current	5% (ripple = peak/average total 100Hz)
Output PstLM	≤ 1 in entire operating window @ at rated input voltage performance range
Output SVM	≤ 0.4 in entire operating window @ at rated input voltage performance range
DC emergency level	15% default (programmable range: 1%...100 %)
Startup time	Max. 0.66 s

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	Continue 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 @ 230V / 50 Hz
Dimming mode	DALI-2
Dimming method	Amplitude dimming
Dimming current range	1%...100%; abs. minimum output current: 7 mA

Connection terminals

Connection terminal type	45° push in terminal
Wire cross section mains input	Built-in: 0.5...1.5 mm² Independent; 0.75...1.5 mm² stranded and solid-core
Wire cross section control input	Built-in: 0.5...1.5 mm² Independent; 0.75...1.5 mm² stranded and solid-core
Wire cross section output	0.2...1.5 mm² stranded and solid-core
Wire cross section (XZ-ID-LOOP-C)	0.5...2.5 mm² 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	DIP control adjusts the current: 750 mA, 800 mA, 850 mA, 900 mA, 950 mA, 1000 mA, 1050 mA, 1100 mA, 1150 mA, 1200 mA, 1250 mA, 1300 mA, 1350 mA, 1400 mA, 1450 mA, 1500 mA;
Factory default output current	750 mA
Output voltage range	10...54 Vdc
Noise level	< 24 dBA, at full load @ 100 cm distance

Circuit breaker / Inrush current

MCB loading quantity	Inrush current Ipeak: 8.04 A		Inrush current Twidth: 50 µs		
	MCB type	B10	C10	B16	C16
	Units	27	27	44	44

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

Safety, EMC & performance compliance

ENEC+CE
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014/A1:2017
EN 60598-2-1:2020
EN 62384:2020
EN 301 489-1 V2.2.3:2019
EN 301 489-3 V2.3.2:2023
EN 55015:2019/A11:2020
EN 61000-3-2:2019/A2:2024
EN 61000-3-3:2013/A1:2019/A2:2021
EN 62493:2015/A1:2022
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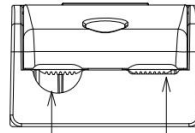
SAA
AS/NZS IEC 61347.2.13:2014
AS/NZS 61347.1:2016

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 62386-251:Ed2
Acc. to IEC 62386-252:Ed2
Acc. to IEC 62386-253:Ed2

Accessories (optional)



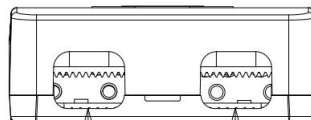
Art 161195 XZ-ID-C



Ø2-Ø8 mm



Art 161201 XZ-ID-LOOP-C



Ø2-Ø9 mm

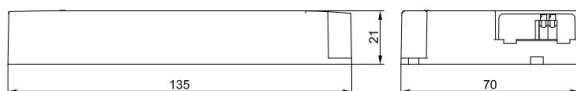
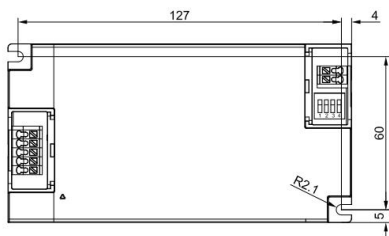
Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-ID-C	39	33	21
XZ-ID-LOOP-C	105	56.5	21
Driver incl. 2 x XZ-ID-C	177	70	21
Driver incl. XZ-ID-C + XZ-ID-LOOP-C	242.8	70	21

Dimensions

Housing dimensions

Length (L)	135 mm
Width (W)	70 mm
Height (H)	21 mm

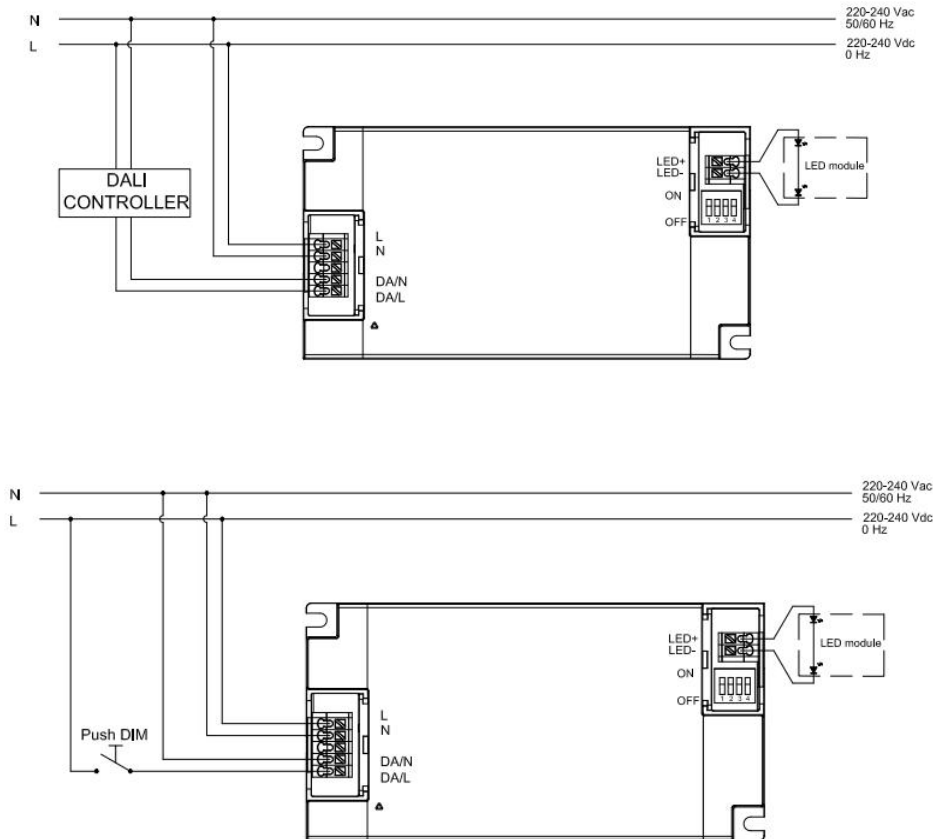
For all dimensions: values in mm; tolerances: ± 0.5 mm



Packaging details

Packing units	24 pcs
Carton size	280 x 220 x 114 mm
Weight	7.6 kg
Product weight	0.292 kg

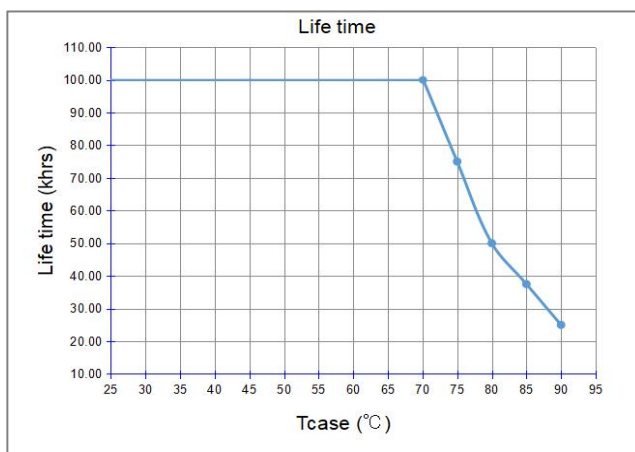
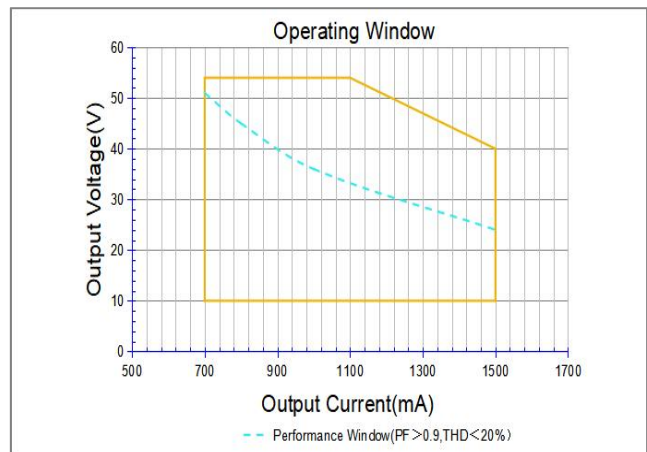
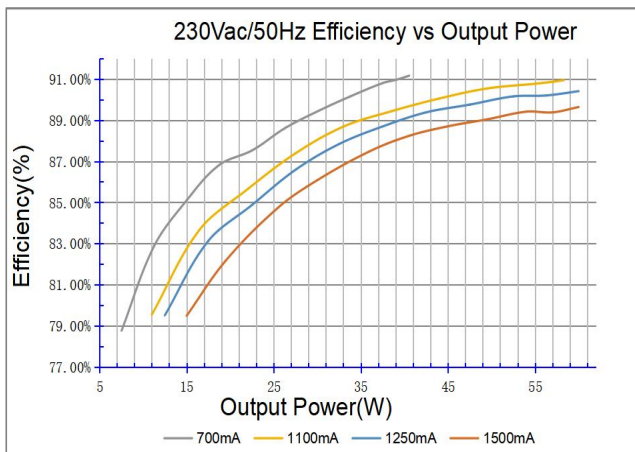
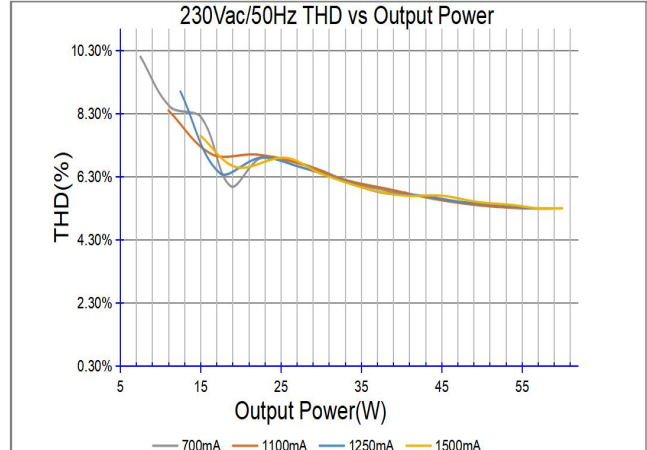
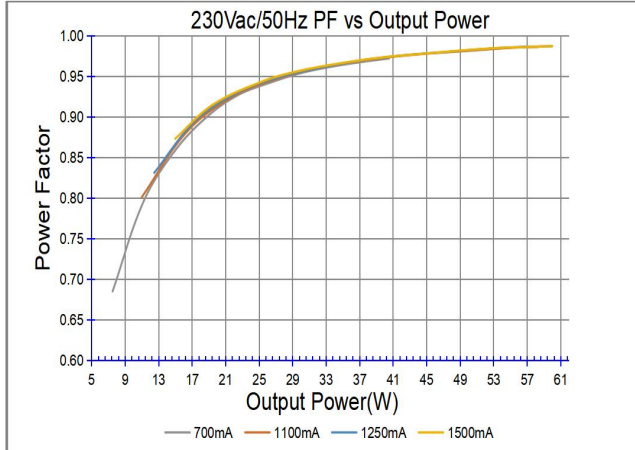
Wiring diagram



Push DIM instruction manual please refer to the link: [CUPOWER PUSH DIM MANUAL](#)

- 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.
- For Push dim function, the driver can be derived from another phase.

Technical information



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%.

Adjustable output current with DIP-switch

Vout (V)	Pout (W)	Iout (mA)	1	2	3	4
10-54	40.5	750	-	-	-	-
10-54	43.2	800	-	-	-	ON
10-54	45.9	850	-	-	ON	-
10-54	48.6	900	-	-	ON	ON
10-54	51.3	950	-	ON	-	-
10-54	54	1000	-	ON	-	ON
10-54	56.7	1050	-	ON	ON	-
10-54	59.4	1100	-	ON	ON	ON
10-52	60	1150	ON	-	-	-
10-50	60	1200	ON	-	-	ON
10-48	60	1250	ON	-	ON	-
10-46	59.8	1300	ON	-	ON	ON
10-44	59.4	1350	ON	ON	-	-
10-42	58.8	1400	ON	ON	-	ON
10-41	59.5	1450	ON	ON	ON	-
10-40	60	1500	ON	ON	ON	ON