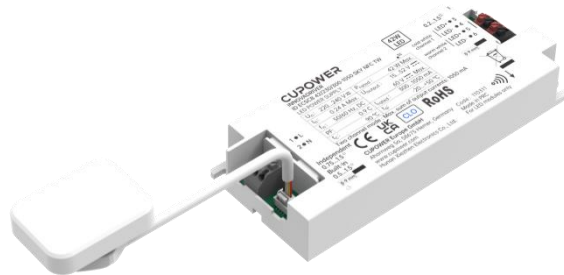


Product features

- Isolated adjustable power color temperature LED driver
- Support wireless dimming and color temperature adjustable
- Supports NFC readers for precise setting and control of multiple functions
- Output current 300 ... 1050 mA
- Max. output power 42 W
- DC emergency
- Flicker-free
- Current output default value 300 mA
- For luminaires with protection class I, II
- The external antenna needs to be purchased separately



Product specifications

110311 ID ECSCB 42/230/300-1050 SKY NFC TW

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
300 ... 1050 mA	220...240 Vac 220...240 Vdc	15 ... 52 Vdc	89 %	± 5 %	0.9 (Output Power > 15 W)	135.0 x 56.5 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	0.24 A @ 230 Vac & 0.24 A @ 230 Vdc

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 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	± 5 % at rated input voltage range
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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	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 48 W

Dimming operation and interface

Standby power consumption	< 0.45 W
Dimming mode	Bluetooth dimming (Mymesh mesh, Casambi, Meshle mesh)
Dimming method	Amplitude dimming
Dimming current range	1 ... 100 % (3 ... 1050 mA)

Connection terminals

Connection terminal type	Push in terminal
Wire cross section	Input wire: 0.5 ... 1.5 mm ² @ Built-in, 0.75 ... 1.5 mm ² @ Independent; Output wire: 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: 300 ... 1050 mA
Output current range (DT6)	NFC control adjusts the current: 300 ... 750 mA per channel Max sum of output current: 1050 mA
Default current	300 mA
Output voltage range	15 ... 52 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 6.18 A			Inrush current T _{width} : 45 µs	
	MCB type	B10	C10	B16	C16
	Units	38	38	61	61

Environmental specifications

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

Safety & EMC compliance

ENEC+CE	CCC	SAA
/	/	/
/	/	/
/	/	/
/	/	/
/	/	/

Accessories (Required) - SkyLink Antenna



Skylink	Black	White
IC EC BLE CH CS	168927	167685
IC EC BLE MM	168873	167739
IC EC BLE ML	168866	167746

CS = Casambi, MM = Mymesh, ML= Meshle

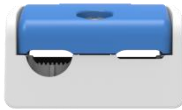
Dimensions	Length (mm)	Width (mm)	Height (mm)
Skylink casing	40	31	16
Wire	300	N/A	N/A

Accessories (Optional) - IP65 protection for Skylink Antenna

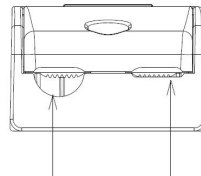


XZ-SKY IP W		XZ-SKY IP G		XZ-SKY IP B	
Art.	110267	Art.	110281	Art.	110274

Accessories (optional)



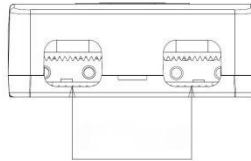
Art 161195 XZ-ID-C



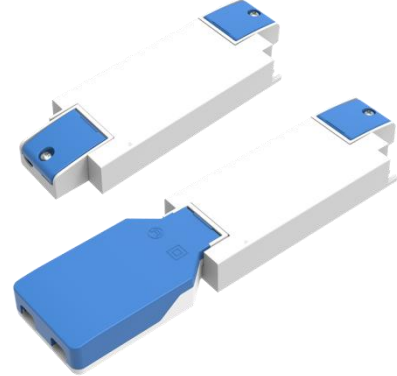
Ø2-Ø8 mm



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	56.5	21.0
Driver incl. XZ-ID-C + XZ-ID-LOOP-C	242.8	56.5	21.0

Dimensions

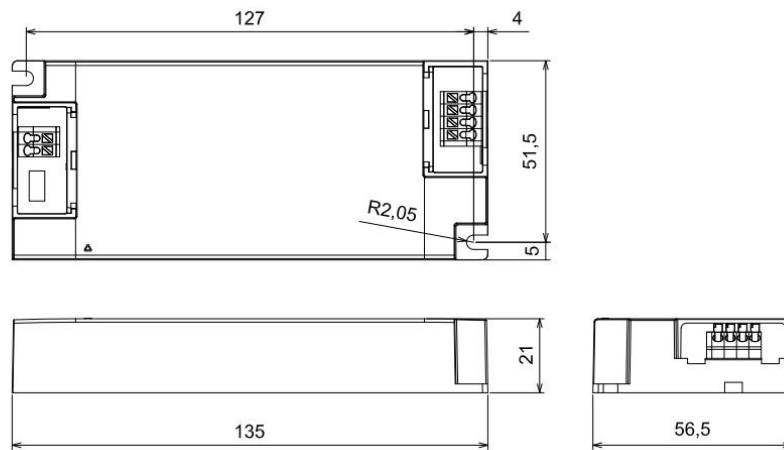
Housing dimensions

Length (L)	135.0 mm
Width (W)	56.5 mm
Height (H)	21.0 mm

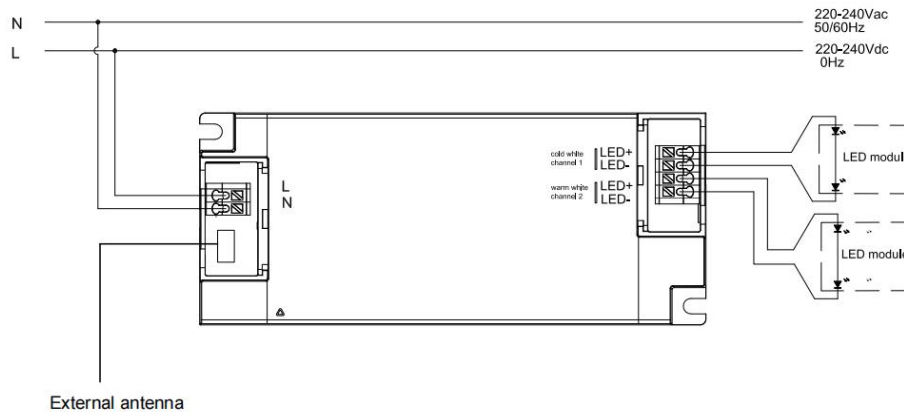
For all dimensions: values in mm; tolerances: ± 0.5 mm

Packaging details

Packing units	24 pcs
Carton size	280 x 179.5 x 114 mm
Carton weight	4 kg
Product weight	0.14 kg



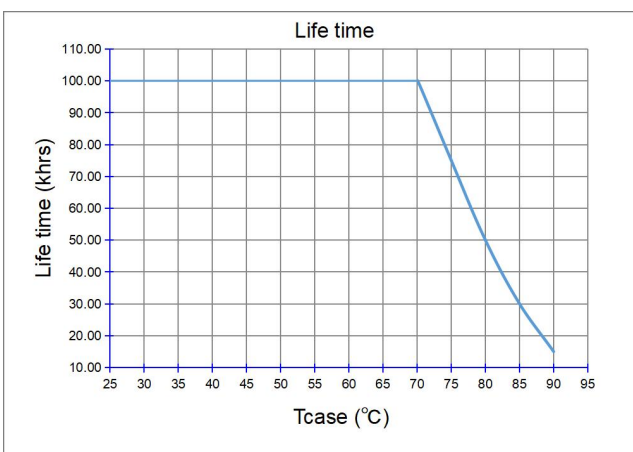
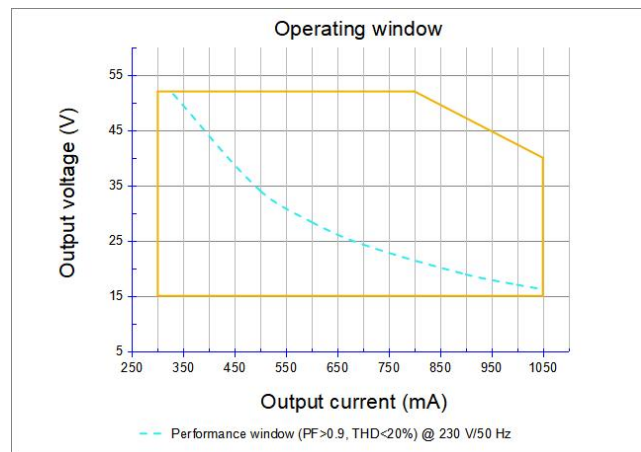
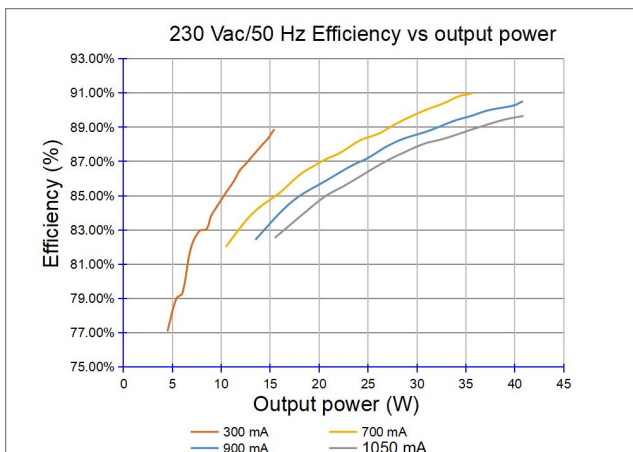
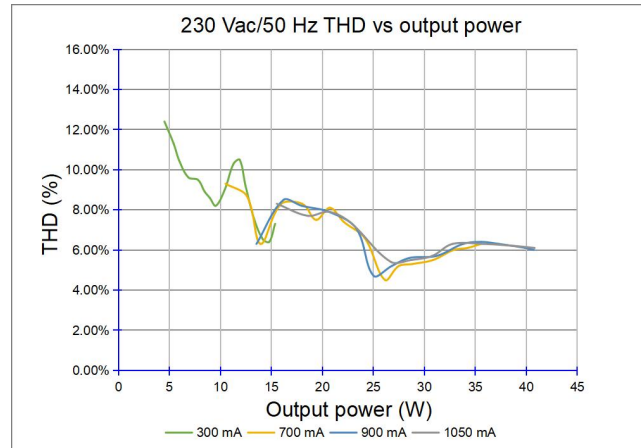
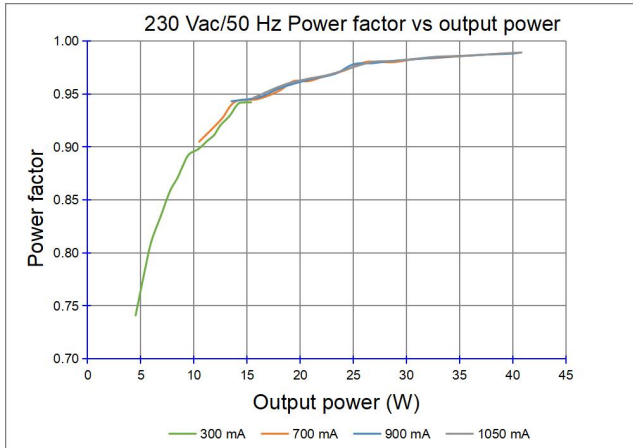
Wiring diagram



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.

Technical information



at Tc 85 °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 42 W + 5 %.

Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
52	807 mA	42
46	900 mA	42
42	1000 mA	42
40	1050 mA	42