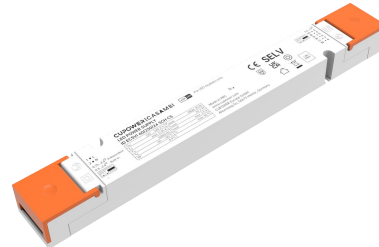


Product features

- Constant voltage LED driver
- The maximum combined output current is 2.5 A which can be freely divided between 1-5 channels, (Max 2.5A/ch)
- Supports five channel PWM dimming control
- Integrated wireless module for wireless ecosystem
- Output current 0...2.5 A
- Max. output power 60 W
- For luminaires with protection class I, II
- 5 years warranty



Product specifications

680064 ID ECSVI 60/230/24 5CH CS

Output current	Input voltage	Output voltage	Efficiency @ full load	Voltage accuracy	Power factor	Dimension L x W x H (mm)
0...2.5 A	220...240 Vac	24 Vdc	91.5%	± 5%	0.9	264.0 x 33.0 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	50/60 Hz
Performance/Operational safety	47...63 Hz
Max. input current	0.35 A @ 230 Vac

Protection against voltage peaks

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

Total harmonic distortion (THD)

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

Output voltage tolerance	± 5% at rated input voltage range
Output PWM frequency	4000 Hz
No load output voltage	25 Vdc
Ripple output voltage	1%

Protection functions output side

Over current protection	Over current protection: Hiccup mode. Protection device will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.
Short circuit protection	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

Dimming mode	Bluetooth mesh dimming
Dimming Frequency	4 KHz
Wireless Frequency	2.4 GHz
RF Transmit Power	+4 dBm @ Normal Mode , +8 dBm @ Long Range Mode
Wireless protocol	Casambi, 2.4 GHz BLE-based Mesh
Wireless Range (Open Air)	50 m
Dimming range	1%...100%
Dimming method	PWM dimming control
Standby power consumption	≤ 0.5 W

Connection terminals

Wire cross section	Input wire: 0.5...2.5 mm ² @ Built-in; 0.75 ...2.5 mm ² @ Independent Output wire: 0.5...1.0 mm ²
Wire stripping length	Input wire: 8...9 mm; Output wire: 5...6 mm

Degree of protection

Protection rating	IP20
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Operating data

Connection terminal type	Input: 45° push in terminal; Output: 0° push in terminal
Maximum output current	2.5 A
Output power range (P _{rated})	1...60 W
Dimming power range	6...60 W
Output voltage range	24 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 21.8 A			Inrush current T _{width} : 344 μs	
	MCB type	B10	C10	B16	C16
	Units	13	22	21	36

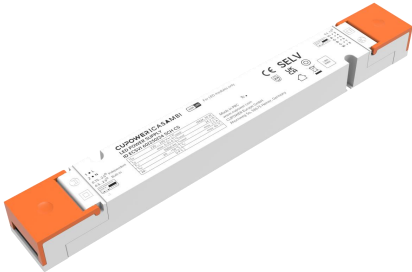
Supplementary instructions

- 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.

Operating temperature	-20...+50°C
Storage temperature	-40...+85°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc 85°C: 50,000 hrs; at Tc 60°C: 100,000 hrs; @ 230 Vac
Maximum Tc temperature	85°C

[illegible]

Accessories



Art. 163519 XZ-CU-A

Driver incl:2*XZ-CU-A

Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-CU-A	43.2	33	21
Driver incl.2* XZ-CU-A	300	33	21

Dimensions

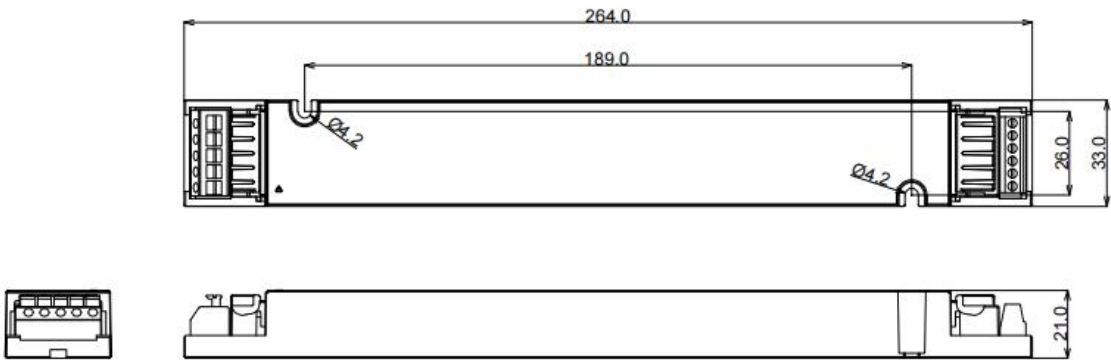
Housing dimensions

Length (L)	264.0 mm
Width (W)	33.0 mm
Height (H)	21.0 mm

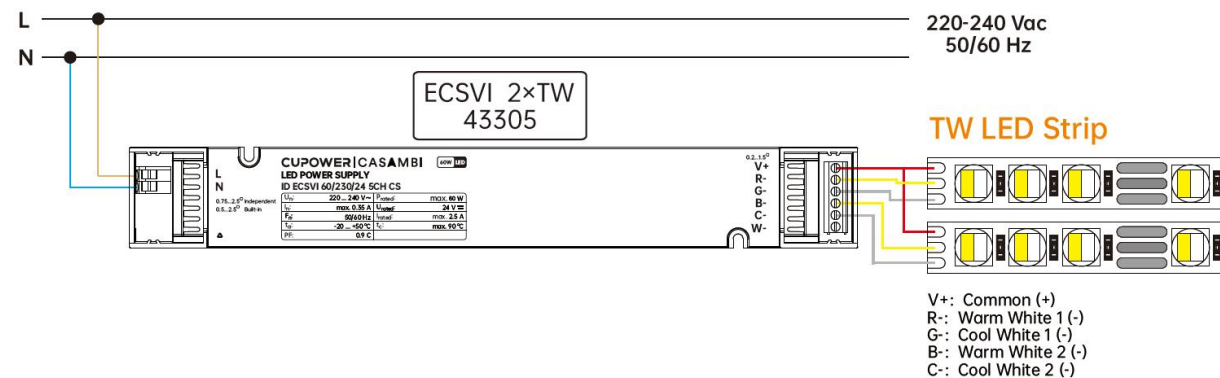
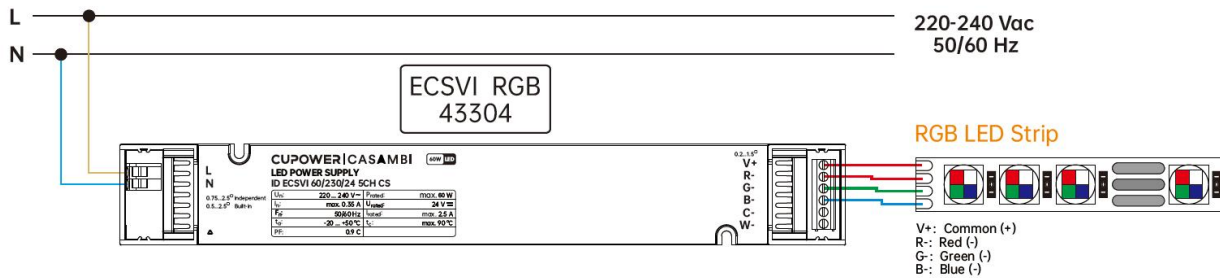
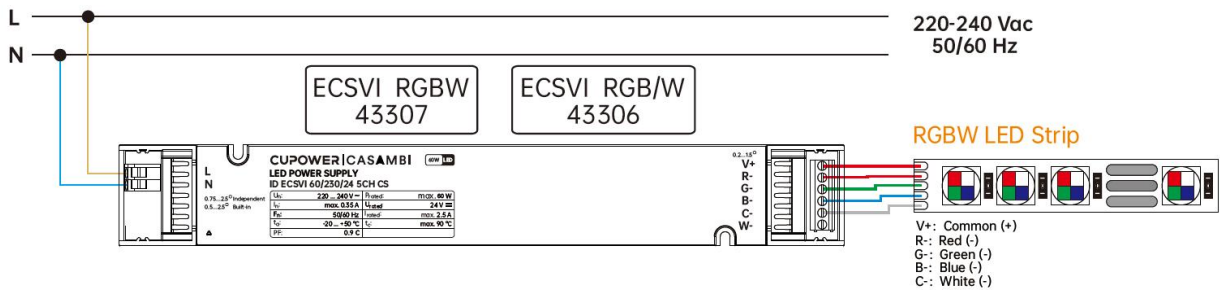
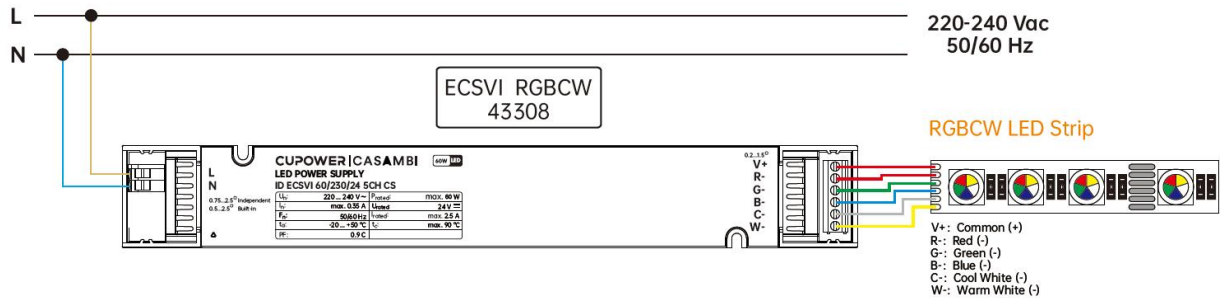
For all dimensions: values in mm; tolerances:± 0.5 mm

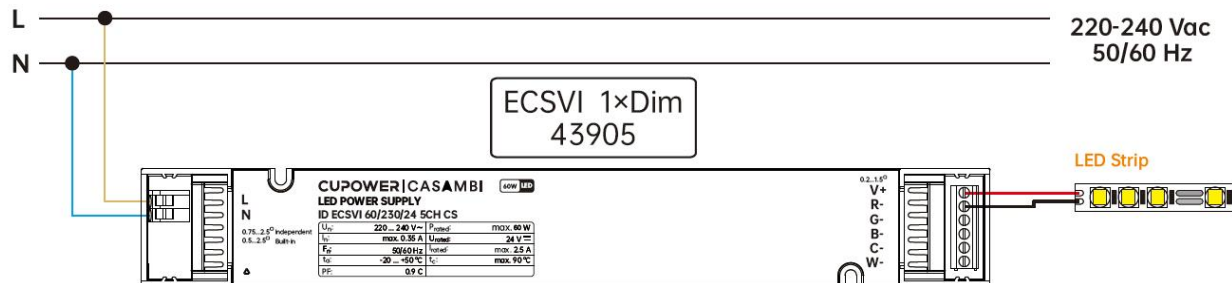
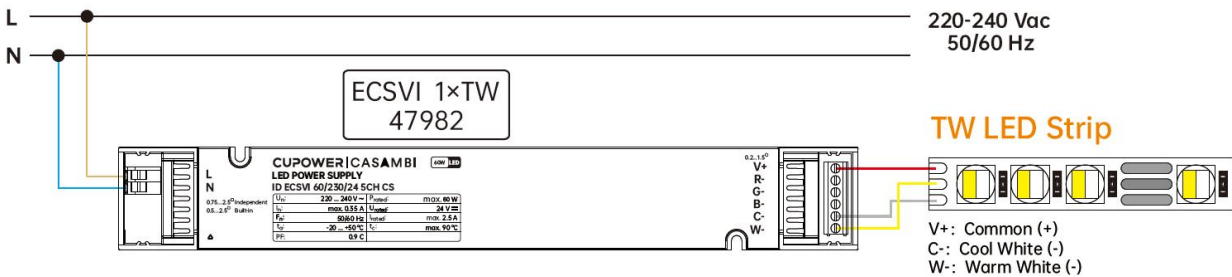
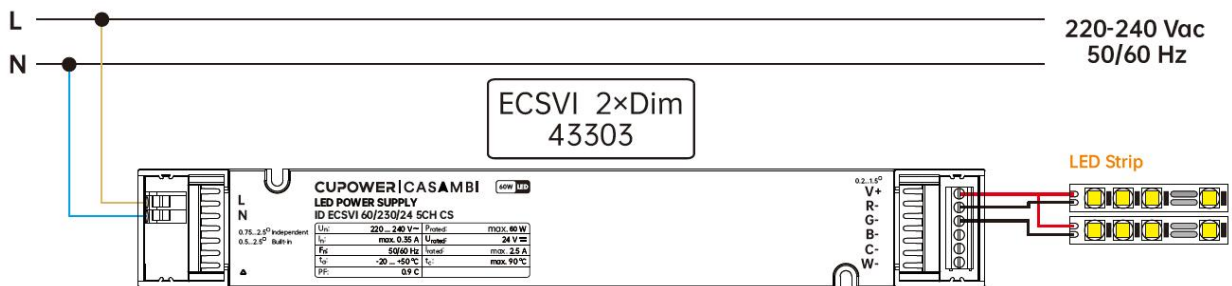
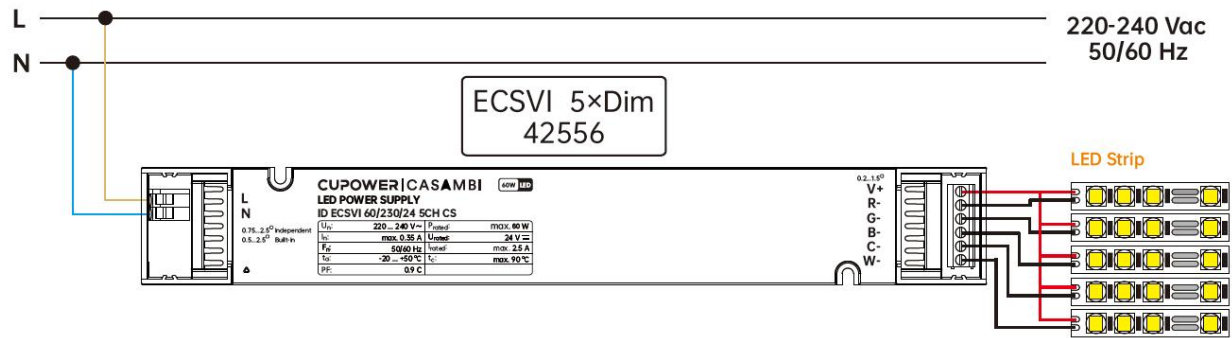
Packaging details

Packing units	25 pcs
Carton size	310 x 175 x 140 mm
Weight	4.65 kg
Product weight	0.16 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).
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

Technical information

