



SimpleLink DC 5xCV LED Driver - Entry

CD335Vn1

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Features

- Entry Level Product
- DC 12...24V input.
- DALI DT8 RGB LED Driver.
- IP42, standby power 0.5W.
- LED constant voltage output, max 3A/each, 9A in total.
- Global safety compliant, suitable for home and office.



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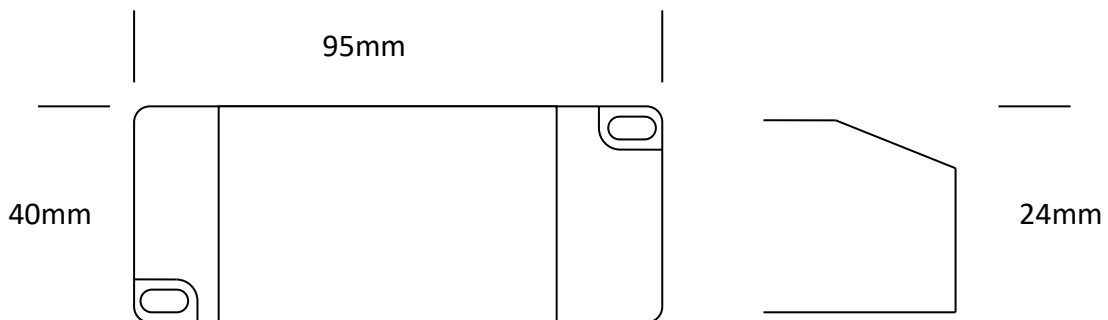
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2. Specification

Technical Data

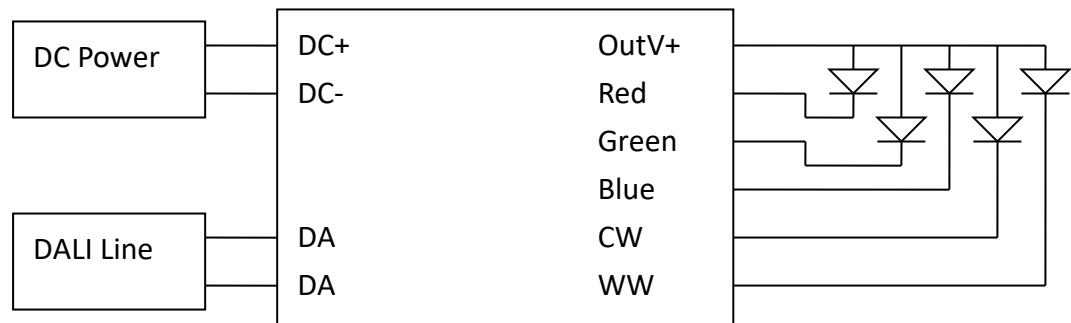
Model		AGD-CD335Vn1
Input	Voltage/Hz	DC, 12...24V
	Leakage	< 0.25mA
	Standby W	< 0.5W
Output	Voltage	= Input
	Current	3A each channel, max 9 A in total
	Power	144W
Protection	Short	None
	Open	None
	Load Change	None
	Isolation	Main input/output None, output/DALI FELV, main input/DALI FELV
Environment	Temperature	Ta: -30...+50°C, Tc: 70°C
	Humidity	20...95%
	Storage	-40...+80°C, 10...95%
Dimming	DALI	IEC 62386 101, 102, 209 (No protection is supported)
	Dim Mode	PWM
Others	Det. & Data	None
	Dimension	95x40x24mm
	Weight	80g

Dimension



3. Installation

Wiring and circuit diagram



- For better EMC, keep wires between drivers and LEDs as short as possible.
- No invers-polarity protection of LEDs is supported.
- Wrong wiring of LED drivers may damage the driver, LEDs, and DALI bus.
- The wiring must be short-circuit protected from earth wire, to avoid dysfunction and damage.
- A fuse is installed between DC+ and OutV+. Do not wire DC positive pole to LEDV+ directly to bypass the fuse.
- Good ventilation and 10...15 cm distance from heat source is recommended.

Protection

This produce is not designed with any software protection or metering functions. It is only protected with a fuse.

4. Function

Operation Mode

This device has supports of manufacture specific operation mode. Each mode represents different DT8 function.

Mode 0 – The device support RGB full color and Color Temperature.

Mode 128 – The device supports RGB full color mode only. It will not respond to color temperature commands.

Mode 129 – The device supports Color Temperature only. It will not respond to RGB full color mode.

5. Others

Warning / Caution !!

- Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!
- The openings should be protected from foreign objects or dripping liquids.
- Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.
- Output current and output wattage must not exceed the rated values on the specifications.
- If the external flexible cable or cord of this switching power supply is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- LED power supply needs to be disposed together with lighting equipment after the end of its life.
- The DALI is designed as FELV circuit, its terminal shall connect to FELV circuit. Connecting to SELV will lower its isolation level to FELV.