



## SimpleLink DC 6xCV LED Driver - Entry

CD336Vn1

ARTILECT GREEN

ARTILECT GREEN

ARTILECT GREEN

ARTILECT GREEN

ARTILECT GREEN

ARTILECT GREEN

### 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.



Artilect Green Co., Ltd.

Tel: +886-2-2597-6188

6F., No. 34-1, Jiuquan St. Datong Dist., Taipei City 10367, Taiwan

<http://www.artilectgreen.com>

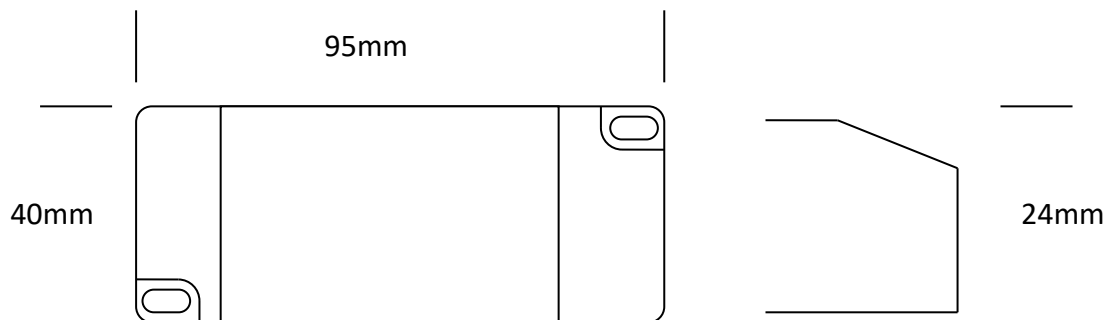
Email: [info@artilectgreen.com](mailto:info@artilectgreen.com)

## 2. Specification

### Technical Data

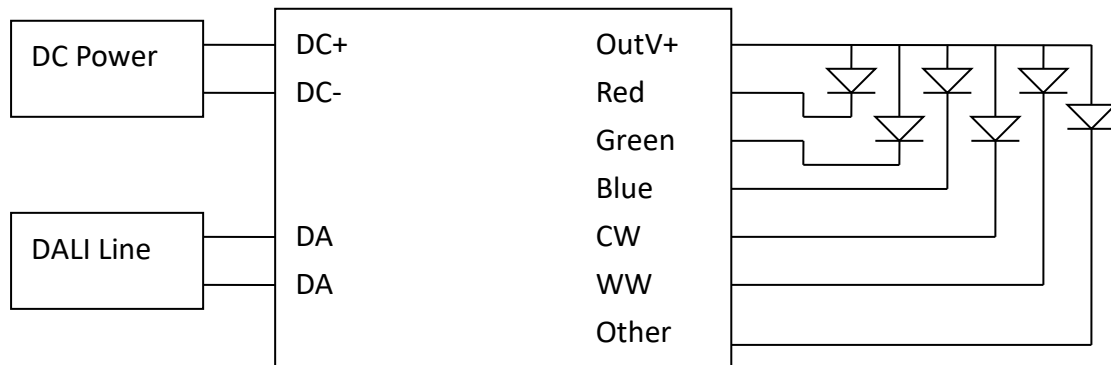
Model		AGD-CD336Vn1
Input	Voltage/Hz	DC, 12...24V
	Leakage	< 0.25mA
	Standby W	< 0.5W
Output	Voltage	= Input
	Current	3A each channel, max 9 A in total
	Power	144W
Protection	Short	None
	Open	None
	Load Change	None
	Isolation	Main input/output None, output/DALI FELV, main input/DALI FELV
Environment	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.

### Hot plug-in

Hot plug-in is not recommended due to the driver's residual output voltage. Hot plug-in will cause high inrush current and damage the LEDs. Power-off and 15 seconds of cold down is recommended for the installation.

### Usage and install

Good ventilation and 10...15 cm distance from heat source is recommended.

## 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.