



CENTRALISE • OPTIMISE • ECONOMISE

# Uno CV

- Wide DC voltage input range: 10.5-27V
- 8 or 16-bit resolution & efficiency >98%
- DALI & DMX/RDM
- Up to 8A for longer fixture runs
- Smooth dimming (TV & film compatible)
- Plastic chassis with excellent cable relief



## Product Overview

### UNO Series

The iDrive® UNO CV is a highly integrated, compact single channel driver for constant voltage high power lighting applications, which demand precision dimming control.

The UNO-CV offers a multitude of network control protocols including DALI, DMX/RDM & 1-10V and incorporates a high current, single LED constant voltage output. The iDrive® UNO caters to the needs of numerous SSL applications, including retail, architectural, commercial and signage.

### UNO-CV

Operating with a wide input supply voltage range of 10.5-27V DC, it can control 12V up to 27V constant voltage LED strips on each output. Utilising high current input & output screw-terminal connectors enables the UNO-CV to be easily integrated into lighting systems.

The UNO-CV series is enclosed in a compact plastic chassis that incorporates cable strain relief end-caps for extra safe installations.

### DMX/RDM & DALI UNO-CV

This model combines DMX/RDM & DALI dimming control protocols and opens full two way communications. The UNO-CV offers 90+ commands compliant to BS EN 62386 and over 50 RDM commands in the ANSI E1.20 standard.

### 1-10V UNO-CV

This model has an isolated 1-10V input to dim a constant voltage output that enables standard low cost dimmer switches to be used. A unique patented output driver stage enables dimming to an infinite number of steps for a unique, smooth lighting experience.

## Electrical Specifications

### Input

Input Voltage Range: 10.5 - 27V DC only  
Connection: 2-pole, 5mm pitch screw terminals

### Output Options

Output power: 0-216W maximum  
Output Current: 0 to 8A  
Output Voltage: Defined by input voltage  
LED Connection: 2-pole 5mm pitch screw  
Current Resolution: 8-bit or 16-bit and infinity (1-10V)

### Control Input

Dimming Control: DMX-512A, RDM, DALI & 1-10V models  
Connection: DALI(2-pin, 5mm pitch screw terminal)  
DMX/RDM(3-pin, 5mm pitch screw terminal)  
1-10V(2-pin, 5mm pitch screw terminal)  
DMX range: 001-512 (set by RDM)  
RDM: Full control over functions and sensors  
Fixture Thermistor: 2-pin, 5mm screw pitch terminal

### Protection

Short Circuit, Reverse Polarity, Over Voltage, Over Current, Over Temperature.

### Mechanical

See chassis dimensions overleaf

### Environmental

Operating Ambient Temperature: -10°C to +50°C  
Storage Ambient Temperature: -20°C to +70°C

### Dimensions

158 x 50.5 x 34mm (max.)

### Weight

200g



DALI, DMX or RDM DC/DC LED DRIVER (216W)



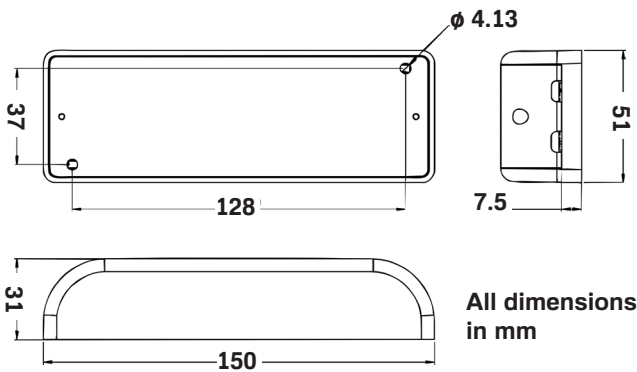
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## Uno CV

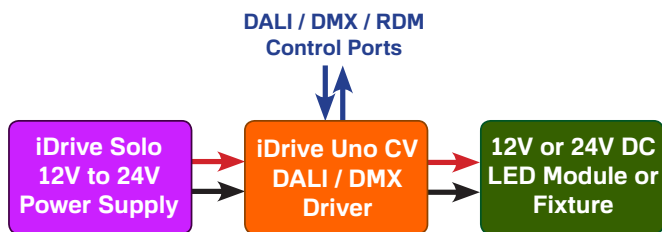
### Product Dimensions



### Typical Applications

- Office
- Commercial
- Retail
- Amenity
- Architectural
- Domestic
- Outdoor
- TV + Film
- Theatre
- Signage
- Solar lighting
- DC grid systems

### Circuit Diagram



Operating voltage and power consumption of LED load must correspond with the iDrive Uno CV rated values

### Part Number

Description	DALI, DMX & RDM iDrive® UNO CV
IST Part Number	IDUCVD-216278000

### Recommended Power Supplies

Input Voltage	Output Power (W)	Output Voltage (V)	Output Current (A)	IST Part Number
200-240V AC	34	12	2.8	IDCV2034122800
200-240V AC	34	24	1.4	IDCV2034241400
200-240V AC	48	12	4	IDCV2048124000
200-240V AC	48	24	2	IDCV2048212000
200-240V AC	70	24	2.9	IDCV4070242900