

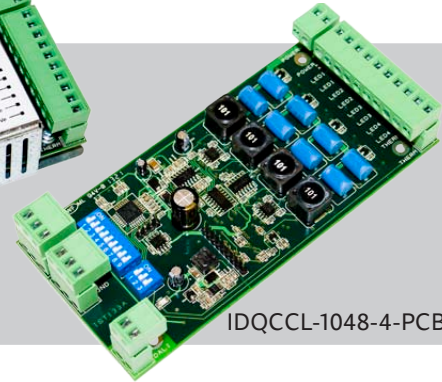
# iDrive® Innovation LED

## Quattro CCL

- DC voltage input range: 10.5-50V / 25-65V
- 4 high resolution channels (16-bit)
- DALI/DSI & DMX/RDM protocols
- Large easy-to-fit connectors
- Compact PCB or chassis mounted
- Up to 1.6A constant current channels
- Healthy lighting (no PWM dimming)



IDQCCL-1048-4-CH1



IDQCCL-1048-4-PCB

## Product Overview

### Quattro Series

The iDrive® Quattro is a highly integrated, compact 4-channel driver for high power lighting applications.

The Quattro-CC offers a multitude of network control protocols including DALI/DSI & DMX/RDM and incorporates iDrive®'s advanced dynamic power control™ system to deliver up to 98% efficient LED output stages.

Incorporating four independent LED constant current sources, the iDrive® Quattro caters to the needs of numerous SSL applications, including retail, architectural, commercial, yacht fitting and signage.

### Quattro-CCL

The Quattro-CCL is the ideal choice for controlling 4 independent channels between 0 and 1600mA per channel. Operating with a wide input supply voltage range of 10.5-50V DC, each channel can control from 1 to 16 LEDs on each output. The high voltage options allow the system to operate from a DC input voltage between 25V to 65V to control between 1 & 21 LED's. Utilising high current input & output easy-fit plug connectors enables the Quattro-CCL to be easily integrated into lighting systems. The Quattro series allows daisy-chaining of SSL fixtures and can broadcast running show sequences to all connected Quattro-CCL units.

Full protection is offered with short circuit, reverse polarity, over temperature, over voltage, over current, over power and open circuit.



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## Electrical Specifications

### Options

- Bare PCB for OEM's
- Metal chassis protected

### Input

Input Voltage Range: 10.5 - 50V DC only

### Output Options

Output power: 0-77W per channel maximum

Output Current: 100 to 1600mA per channel

Output Voltage: <1V to (input voltage -2V) or 48Vmax  
LED Connection:

Current Resolution: 8-bit, 16-bit & Master Dim

Channel Bonding: Common anode + bonding compatible

### Control Input

Dimming Control: DMX-512A, RDM, DALI, DSI

Connection: DALI /DSI

DMX/RDM

DMX Range: 0.01-512 via DIP switch

Current Range: 100 to 1600mA (a settings) via 3-way  
DIP Switch

Programmes: See user manual for all pre-sets

RDM: Full control over functions and sensors

### Mechanical

Mounting: 4x 4.5mm holes for mounting

Connection: 5mm pitch plug-in screw terminals

### Environmental

Operating Ambient Temperature: -10°C to +40°C

Storage Ambient Temperature: -20°C to +70°C

### Dimensions

146 x 75 x 33mm (max.)

146 x 69 x 25mm (max.)

### Weight

255g (metal chassis version)

110g (PCB version)

1-308/403W DALI, DSI, DMX, RDM DC TO DC LED DRIVER  
DMX, RDM, DSI & DALI compatible