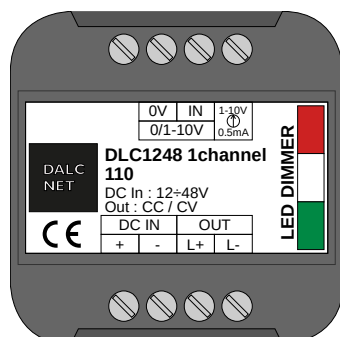


**FEATURES**

- **FADER+DIMMER+DRIVER**
- **DC Input: 12/24/48 Vdc**
- **Command: 0÷10V / 1÷10V**
- **White control**
- **Current outputs or voltage outputs for R-L-C loads**
- **Typical efficiency > 95%**
- **Bias and Leakage current reset circuit**
- **Soft start and soft stop**
- **Optimized output curve**
- **Extended temperature range**
- **100% burn-in test - 5 years warranty**

Constant currents variants (common anode)

CODE	Voltage supply	Output	Channels	Command	
DLC1248-1CC350-110	12÷48V DC	1 x 350mA	1	Analog signal 0÷10V / 1÷10V	
DLC1248-1CC500-110	12÷48V DC	1 x 500mA	1	Analog signal 0÷10V / 1÷10V	
DLC1248-1CC700-110	12÷48V DC	1 x 700mA	1	Analog signal 0÷10V / 1÷10V	
DLC1248-1CC950-110	12÷48V DC	1 x 950mA	1	Analog signal 0÷10V / 1÷10V	

Any current value in range from 350 mA to 950 mA is available on demand

Application: Dimmer

Varianti a tensione costante (anodo comune)

CODE	Voltage supply	Output	Channels	Command	
DLC1248-1CV-110	12÷48V DC	1 x 8A max	1	analog signal 0÷10V / 1÷10V	

Application: Dimmer

Protections

OTP	over temperature protection
OVP	over voltage protection
UVP	under voltage protection
RVP	reverse polarity protection
IFP	input fuse protection
SCP	short circuit protection
OCP	open circuit protection
CLP	current limit protection

Reference Standards

IEC/EN 61347-1	Lamp controlgear - Part 1: General and safety requirements
IEC/EN 61347-2-13	Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
IEC/EN 62384	DC or AC supplied electronic control gear for LED modules - Performance requirements
IEC 61547	Equipment for general lighting purposes - EMC immunity requirements
IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
ANSI E 1.3	Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification
IEC 60929-E.2.1	Control interface for controllable ballasts - control by d.c. voltage - functional specification

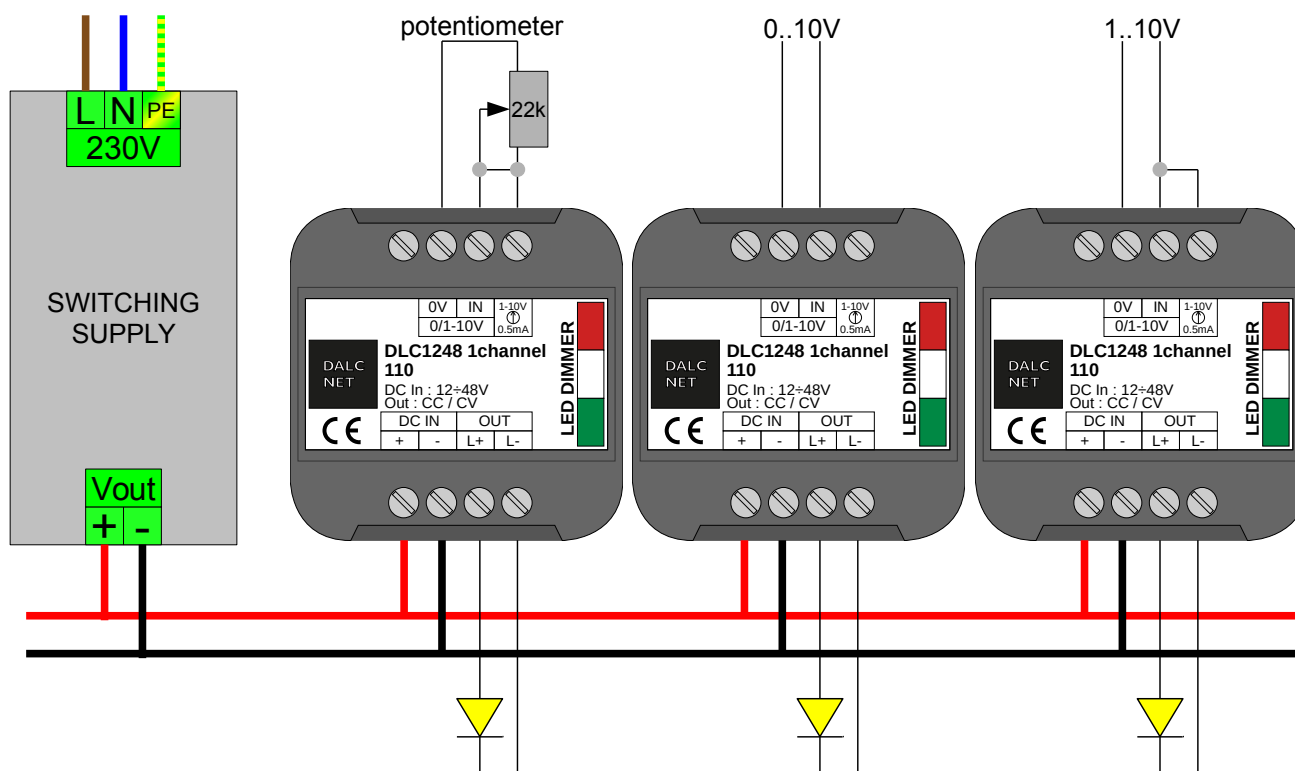
Technical Specifications

		variants				
		Constant current				Constant voltage
		350mA	500mA	700mA	950mA	
Supply voltage		min: 10,8 Vdc .. max: 52,8 Vdc				
Input current		max 0,4A	max 0,5A	max 0,7A	Max 0.95A	max 8 A peak ¹⁾
Absorbed power at 0% output	@12V	max 90 mW				max 75 mW
	@24V	max 205 mW				max 180 mW
	@48V	max 515 mW				max 455 mW
Output voltage		min: Vin/4 max: Vin-0,9V				= Vin
Output current		350 mA	500 mA	700 mA	950mA	max 8 A peak ¹⁾ max 7,5A @20°C ¹⁾ max 6,5A @40°C ¹⁾
Nominal Power ¹⁾	@12V	4.2 W	6 W	8.4 W	11.4 W	78 W
	@24V	8.4 W	12 W	16.8 W	22.8 W	156 W
	@48V	16.8 W	24 W	33.6 W	45.6 W	312
Thermal shutdown		150 °C				150 °C
PWM dimming frequency		250Hz				
PWM resolution		16 bit				
PWM range		0,1 – 100 %				
Storage temperature		min: -40 max: +60 °C				
Working temperature ¹⁾		min: -10 max: +40 °C				
Protection Grade		IP20				
Wiring		2.5mm ² solid - 1.5mm ² stranded - 30/12 AWG				
Mechanical dimensions		44 x 44 x 25 mm				
Packaging dimensions		68 x 56 x 35 mm				
Weight		40g				

¹⁾maximim value, dependent on ventilation conditions

Installation

Connect the switching supply (12-48 V) to the device, connect the potentiometer or 0..10V control or 1..10V control, connect the leds.



DLC1248-1CC350-110
DLC1248-1CC500-110
DLC1248-1CC700-110
DLC1248-1CC950-110
DLC1248-1CV-110

DLC1248-1CC350-110
DLC1248-1CC500-110
DLC1248-1CC700-110
DLC1248-1CC950-110
DLC1248-1CV-110

DLC1248-1CC350-110
DLC1248-1CC500-110
DLC1248-1CC700-110
DLC1248-1CC950-110
DLC1248-1CV-110

Operation

0÷10V & 1÷10V

The intensity is controlled by input voltage variation.

Input	Function	Intensity	
0÷10V 1÷10V Potentiom		Dimmer: 0÷1V=0%	10V=100%

→ For the whole and updated **Device Manual** refer to producer's website: <http://www.dalcnet.com>

Technical Notes

- The 0÷10V control input is compatible with sinking/sourcing 1÷10V controls
In 1÷10V control mode without external current source, the current source of the product must be activated, as shown on connection scheme.
- Installation and maintenance must be performed only by qualified personnel in compliance with current regulations.
- The product must be installed inside an electrical panel protected against overvoltages
- For the power supply is preferable to use a SELV power supply. In the case of using class I power supply, ALL points of the protective earth (PE = Protection Earth) must be connected to a valid protection earth .
- Keep 230V cables separate from circuits to low voltage (SELV)
- For the connection of the button, potentiometer, 0÷10V, 1÷10V inputs is preferable to use shielded and twisted cables and do not exceed the recommended length of 10m.
- To connect the DMX512+RDM, Modbus and DALI bus use cables as per specification of the respective protocols and regulations.
- It 'absolutely forbidden to connect, for any reason whatsoever, directly or indirectly, the 230V mains voltage to the bus or to other parts of the circuit.