INSTRUCTIONS
Code: LECV1248X4CH
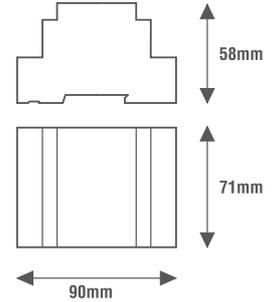### 4 CHANNELS DIMMING INTERFACE 12-24-48Vdc

LEF Lighting

Technical Features

Input voltage range 12-24-48Vdc
Output voltage range 12-24-48Vdc
Brightness regulator for LED modules 12-24-48Vdc
Brightness adjustement through:
- DMX/RDM signal
SLAVE function through DMX512 digital signal
Open circuit protection (OCP)
Protection against overtemperature (OTP)
Overvoltage protection (OVP)
Protection against reversed polarity (RPP)
Short circuit protection (SCP)
Operating ambient temperature Ta -20°C ÷ +50°C

CODICE CODE	Tensione di ingresso Input voltage (Vdc)	Tensione di uscita Output voltage (Vdc)	Corrente di uscita Output current (A)				Potenza di uscita Output power (W)			Comando Command	Uscita di segnale Signal output	CC CV	Peso Weight (g)
			CH1	CH2	CH3	CH4	@12Vdc	@24Vdc	@48Vdc				
LECV1248X4CH	12-24-48	12-24-48	8	8	8	8	**96**	**192**	**384**	DMX/RDM	-	CV	100

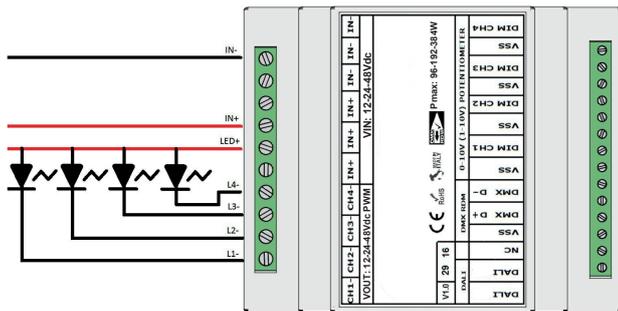## DEVICE POWER SUPPLY AND CONNECTION TO LED MODULE

Fig.1

The dimmer must be supplied according to the polarity shown in the diagram through DC IN (+ and -) terminals. If the polarity is inverted, the device will not suffer any damage.
The LED load connection to the dimmer (constant voltage output, common anode) must be completed using IN+, CH1-, CH2-, CH3- and CH4- terminals as in the diagram.
In single-channel mode, it is recommended to short circuit CH1-, CH2-, CH3-, CH4- poles to evenly distribute the load.
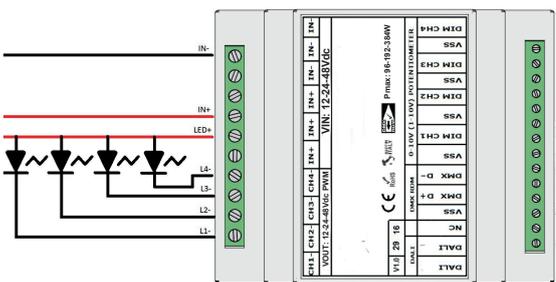
CONNECTION TO DMX512/RDM BUS

Fig.2

DMX/RDM- **DMX D -**
DMX/RDM+ **DMX D +**
GND **VSS**

In this mode the device can be controlled with a DMX-512/RDM bus. The device uses 4 channels starting from the base address (1, 2, 3, 4 CH). **The base DMX address (DEFAULT 1) can be setted through RDM protocol or PROGLECVCC programming interface (optional).** Refer to the programming interface manual for modes.

In this mode the device works in linear curve and the FADE mode is off.
To obtain a DMX bus proper functioning, it is required to connect the GND poles of the devices connected to the bus. Use the VSS terminal as in Fig.2. In this mode, Bluetooth control is off.

General Characteristics

DIN rail plastic case (4 modules)
Device not for indipendent mounting
Electric class protection III
Protection degree IP20

ATTENTION:
The installation of the product must be followed by qualified personnel.

If the product is used for purposes other than the original ones or if it is connected incorrectly, LEF Lighting S.R.L. will not accept any responsibility for damages caused.

Reference Standards
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62493

CE | IP20 | ta MAX 50°C | 384 WATT | DC 12V DC 24V DC 48V | CV | DIN 4

[AA] Rev. v2.10 28/10/2020