

# USER GUIDE

## MINICUBO24DP, MINICUBO48DP

Dimming interface for voltage LED (CV)



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### General Characteristics

Plastic case  
Device not for independent mounting  
Electric class protection II  
Case of reduced size  
Protection degree IP20

### Technical Features

Input voltage range 24Vdc (MINICUBO24DP) or 48Vdc (MINICUBO48DP)  
Output voltage range 24Vdc (MINICUBO24DP) or 48Vdc (MINICUBO48DP)

**Brightness regulator for LED modules 24Vdc or 48Vdc**

**Brightness adjustment through:**

- pulsante (PUSH 230Vac)
- pulsante (PUSH 24Vdc) (MINICUBO24DP)
- pulsante (PUSH 48Vdc) (MINICUBO48DP)
- DALI signal
- 0-10V signal
- 1-10V signal
- 47Kohm potentiometer

**Frequency of the output voltage PWM: 250Hz**

Synchronization of multiple interfaces via wiring (max 10)

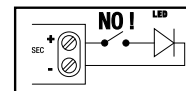
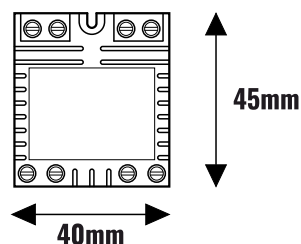
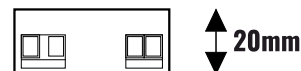
«LEVEL MEMORY» function

«STATUS MEMORY» function (last value before black-out)

Short circuit protection (SCP)

Operating ambient temperature Ta -10°C ÷ +40°C

Max case temperature on Tc 80°C



**N.B.**  
Device not suitable for  
no-load operation.

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	CC CV	Peso Weight (g)
			MIN	MAX	MIN	MAX			
MINICUBO24DP	24	24	0,417	11	10	264	PUSH   DALI   0-10V   1-10V   POT47KΩ	CV	35
MINICUBO48DP	48	48	0,625	7	30	336			

### Installation instructions

Always work in safe and voltage-free condition

Follow the rated values in label and right cable section according to the load connected.

**Factory setting: DALI input active.**

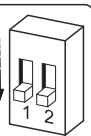
Set the DIP-SWITCH configuration as in the wiring diagrams to set the operation mode

Remove power to change DIP-SWITCH setting.

All settings remain stored even when the device is Switched OFF.

DIMMING DIP-SWITCH		
Command	1	2
DALI PUSH 230V	-	-
PUSH 24-48V	-	ON
0-10V	ON	-
1-10V	ON	ON

(ON) OF THE DIP-SWITCHES  
IS DOWN



### Alignment procedure

In case of non-alignment of some products in PUSH-BUTTON mode, remove the voltage network to all power supplies connected to the interfaces.

At the next feeding all the products will reach 100%.

#### 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.**



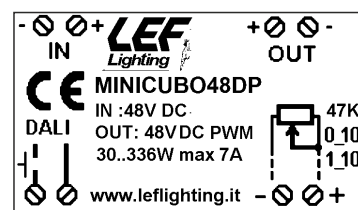
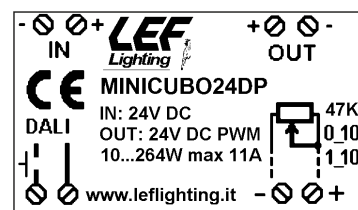
PRODUCT TO BE DISPOSED  
DIFFERENTLY FROM URBAN WASTE  
AEE identification nr.18040000010321

MADE IN ITALY



### Reference Standards

EN 55015  
EN 61000-3-2  
EN 61347-1  
EN 61347-2-13  
EN 61547  
EN 62384  
EN 62386-207



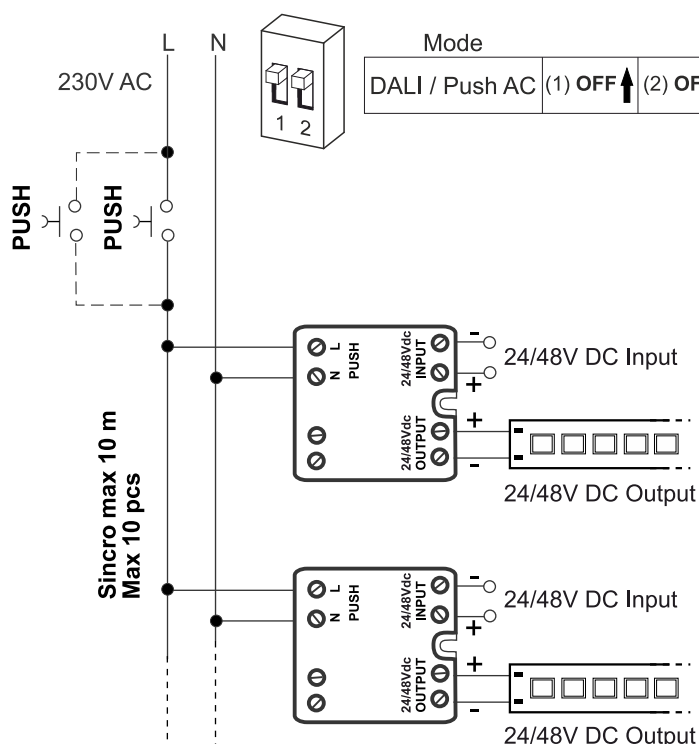
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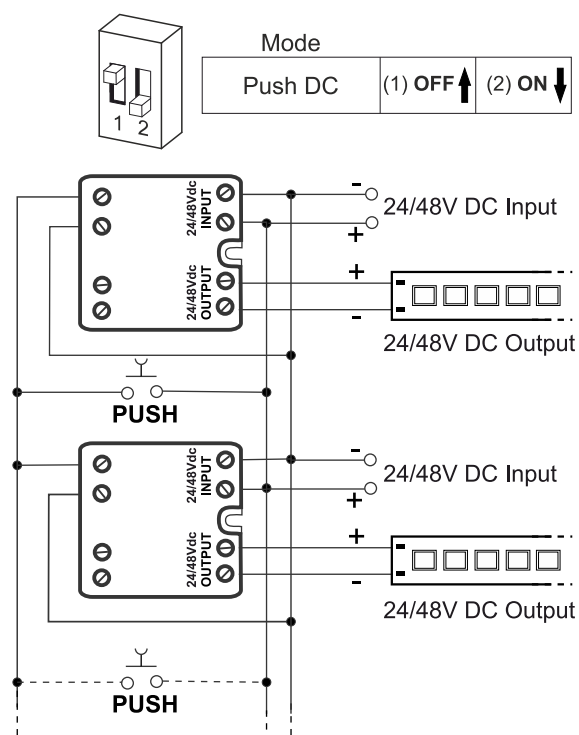
Wiring diagrams



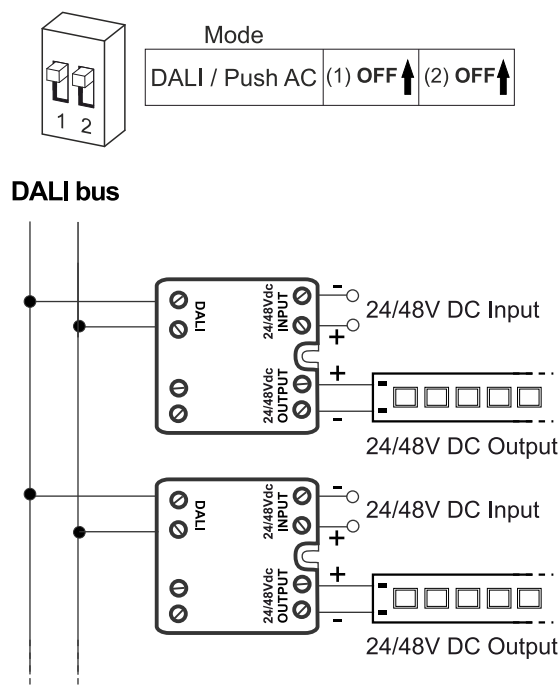
### PUSH 230Vac MODE



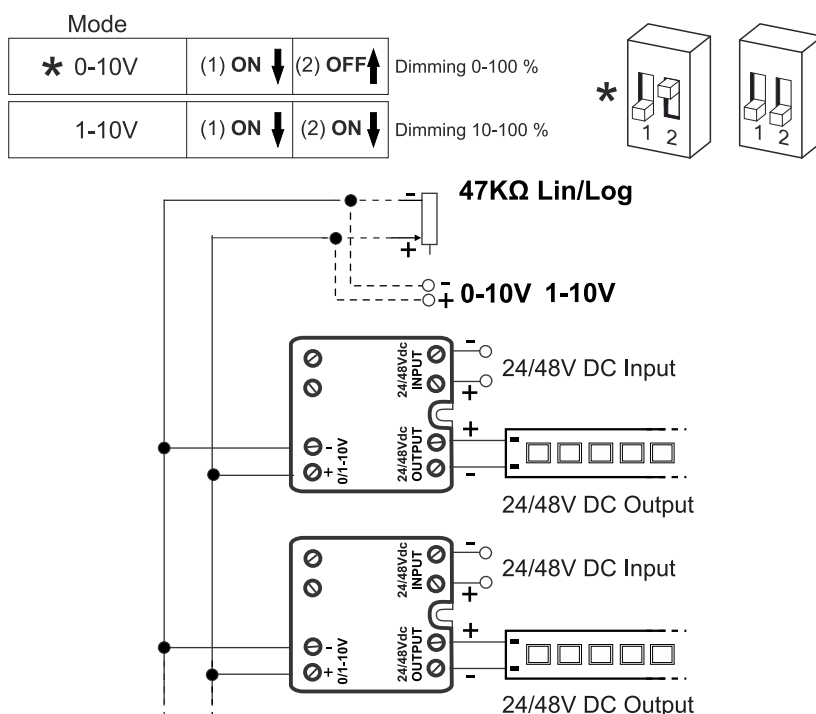
### PUSH 24Vdc MODE



### DALI MODE



### 0-10V | 1-10V | POTENTIOMETER MODE



Install in a suitable place and, in the absence of voltage, respect the plate data.  
 Use only SELV power supplies, approved for electrical safety and performance, whose power is suitable for the load.  
 The connections are in low voltage, respect distances and insulation towards mains voltage lines.  
 Push button line: keep the connections isolated from the mains and limit their length.  
 The dimmer memory is kept with continuous power supply only.  
 Synchro line: keep the connections max 10 meters.