

# USER GUIDE

## LEMC13SLIMD-TW

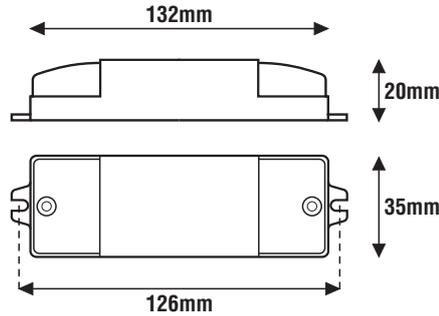
Dimmable constant multicurrent TW LED driver (CC) with push-button and DALI signal control



www.leflighting.it

### General Characteristics

Plastic case (SLIM)  
Driver for independent mounting  
Electric class protection II  
Protection degree IP20



**LEF Lighting** DALI LED Driver Constant Current LEMC13SLIMD-TW

Un: 220-240V~, In: 0.08A  
fn: 50/60Hz  
 $\lambda$ : 0.95  
ta: -20...+45°C  
tc: +90°C

1	2	3	Uout (Vdc)	Iout (mA)	Pout (W)
ON	-	-	2-42	150	6.3
ON	-	-	2-42	200	8.4
ON	-	-	2-42	250	10.5
ON	ON	-	2-42	300	12.6
ON	ON	-	2-38	350	13.3
ON	ON	-	2-26	500	13.3
ON	ON	ON	2-22	600	13.3
ON	ON	ON	2-19	700	13.3

0.5-1.5Ω  
ww  
cw

Diode 1N4004+1N4007

SELV Umax=54Vdc

	<b>Psb</b> 0,5W	<b>EE</b> 84%
<b>DIM PUSH</b> 230Vac	<b>SINCRO BY PUSH</b>	<b>MAX 5 DRIVER</b>
<b>DALI 2</b>	<b>DALI DT8</b>	<b>DIM DALI</b>
		<b>DIP SWITCH</b>

CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Potenza di uscita Output power (W)	Comando Command	Tensione di uscita Output voltage (Vdc)	Corrente di uscita Output current (mA)	PFC ( $\lambda$ )	CC CV	Peso Weight (g)
LEMC13SLIMD-TW	220-240	0   50÷60	6,3	PUSH DALI SENSOR	2-42	150	0,95	CC	65
			8,4			200			
			10,5			250			
			12,6			300			
			13,3			350			
			13			500			
			13,2			600			
			13,3			700			

### Technical Features

Input voltage range 220-240Vac  
Input frequency 50÷60Hz  
Input voltage range 176-250Vdc  
Input frequency 0Hz  
**Constant current output 150÷700mA**  
(settings by dip-switch)  
**Factory setting: 700mA**

**2-channel control unit (TW)**

**Command through:**

- push-button 1 (PUSH 230Vac) (ON/OFF/Dimmer)
- push-button 2 (PUSH 230Vac) (Color temperature control)
- DALI signal
- Motion Sensor (Corridor Function)

«LEVEL MEMORY» and «STATUS MEMORY» function  
Synchronization of multiple drivers by cable (max 5)

Energy Efficiency (EE) 84%

Open circuit Protection (OCP)

Overload protection (OLP)

Protection against overtemperature (OTP)

Short circuit protection (SCP)

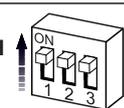
Power factor correction (PFC)  $\lambda \geq 0,95$

Operating ambient temperature Ta -20°C ÷ +45°C

Max case temperature on Tc 90°C

**!** Changing settings when the device is not powered

DIP SWITCHES WITH ON AT THE TOP



OUTPUT DIP-SWITCH			
Corrente MAX MAX Current (mA)	1	2	3
150	-	-	-
200	ON	-	-
250	-	ON	-
300	ON	ON	-
350	-	-	ON
500	ON	-	ON
600	-	ON	ON
700	ON	ON	ON

### Reference Standards

EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
EN 62384  
EN 62386-101  
EN 62386-102  
EN 62386-207  
EN 62386-209  
EN 62386-251  
EN 62386-252  
EN 62386-253

MADE IN P.R.C.



PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE  
AEE identification nr.IT18040000010321



LEF LIGHTING S.R.L. www.leflighting.it

Viale L. Ariosto 478/480 - 50019 Sesto Fiorentino (FI) - ITALY | Tel +39 055 421 77 27 - Fax +39 055 425 44 92

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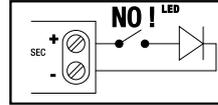
Dimmable constant multicurrent TW LED driver (CC) with push-button and DALI signal control



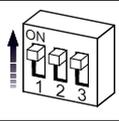
### Setting the output current

OUTPUT DIP-SWITCH			
Corrente MAX MAX Current (mA)	1	2	3
150	-	-	-
200	ON	-	-
250	-	ON	-
300	ON	ON	-
350	-	-	ON
500	ON	-	ON
600	-	ON	ON
700	ON	ON	ON

**!** Changing settings when the device is not powered



DIP SWITCHES WITH ON AT THE TOP

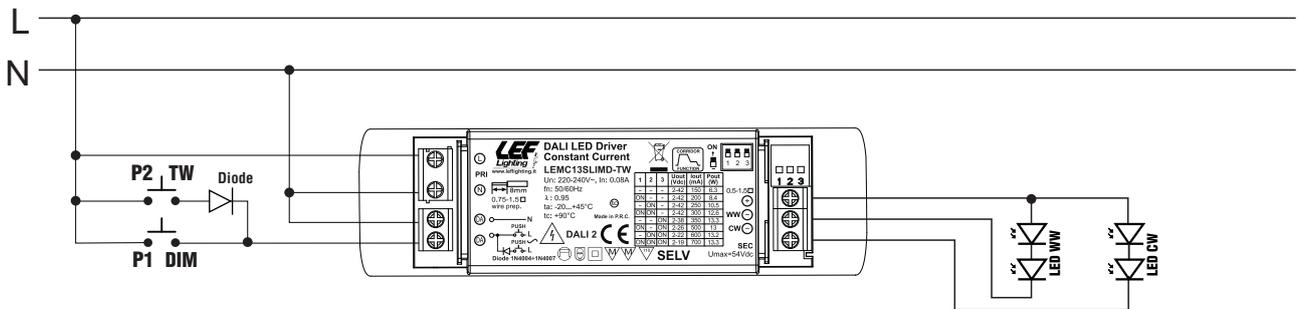


#### ATTENTION:

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.

### PUSH 230Vac mode

1



Connect a DIODE V<sub>R</sub>Rated  $\geq 280V_{rms}$  (1N4004 ÷ 1N4007) in series with BUTTON P2. (This 1N4004 ÷ 1N4007 diode is included in the product package)

Maximum number of synchronisable power supplies: 5

**DIM  
PUSH  
230Vac**

#### Operation of BUTTON P1 (ON/OFF/Dimming)

- **Short press (<1 sec) P1 BUTTON** to switch the light on (ON) and off (OFF).
- **Long press P1 BUTTON** to dim the light. Press and hold the button again to reverse the dimming direction.
- **If the LED driver power supply is switched off**, The dimming value set on the driver will be stored and reset when the driver power supply is reactivated.

#### Operation of BUTTON P2

(Connect diode 1N4004 ÷ 1N4007 in series to the button).

- **Short press (<1 sec) P2 BUTTON** : cycle through the 9 preset colour temperatures. The time between presses must be longer than 1 second.
- **Long pressure P2 BUTTON**: By holding down button P2 for more than 1 second, the colour temperature begins to gradually change towards the preset maximum value. To reverse the direction of change, release the button and press it again: after 1 second, the change will resume in the opposite direction.
- **If the LED driver power supply is switched off**, The colour temperature of the light set on the driver will be stored and reset when the driver power supply is reactivated.

[AA] Rev. v.1.10 19/11/2025

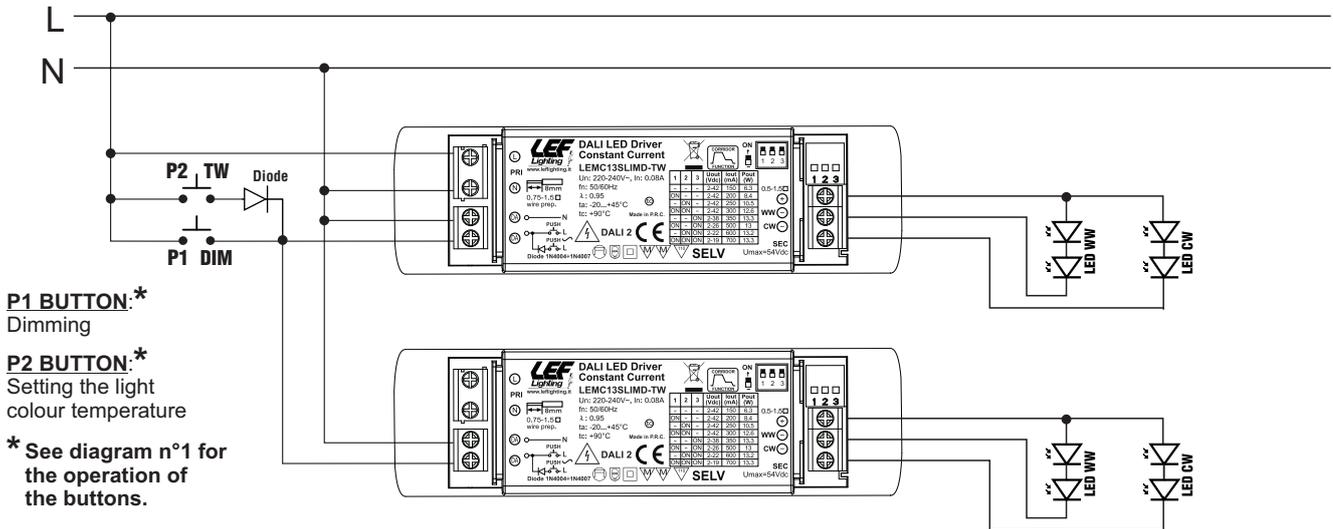
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## PUSH 230Vac and SYNCRO by CABLE mode

2



Connect a DIODE VRated  $\geq 280V_{rms}$  (1N4004 + 1N4007) in series with BUTTON P2.  
(This 1N4004 + 1N4007 diode is included in the product package)

### Synchronisation procedure

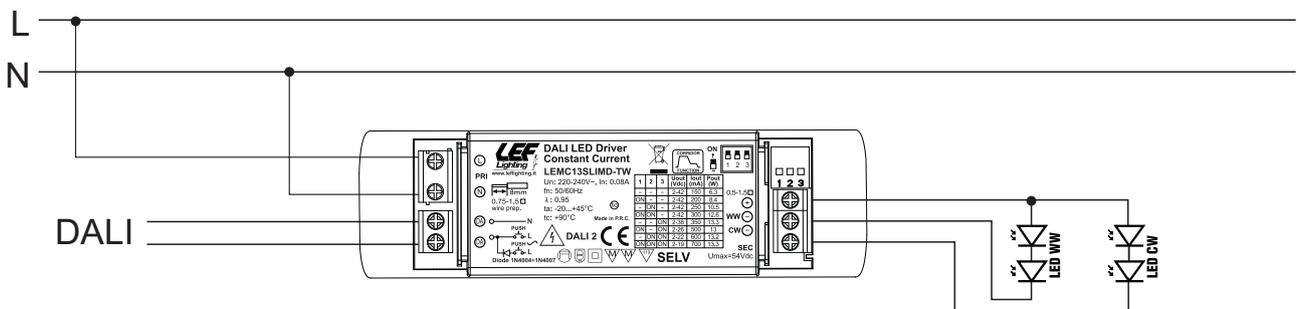
By holding down the P1 button for 15 seconds with the light off, the power supplies will synchronise to 50% brightness.  
By holding down the P2 button for 15 seconds, all LED drivers connected to the system will change the light colour temperature to 3000K.

Maximum number of synchronisable power supplies: 5  
Maximum cable length of PUSH BUTTON: 20m

**DIM  
PUSH  
230Vac**      **MAX  
5  
DRIVER**

## DALI mode

3



In this mode, the power supply is controlled via a DALI signal.  
The DALI signal must be of the DALI2 DT8 type.

**DIM  
DALI**      **DALI  
2**      **DALI  
DT8**

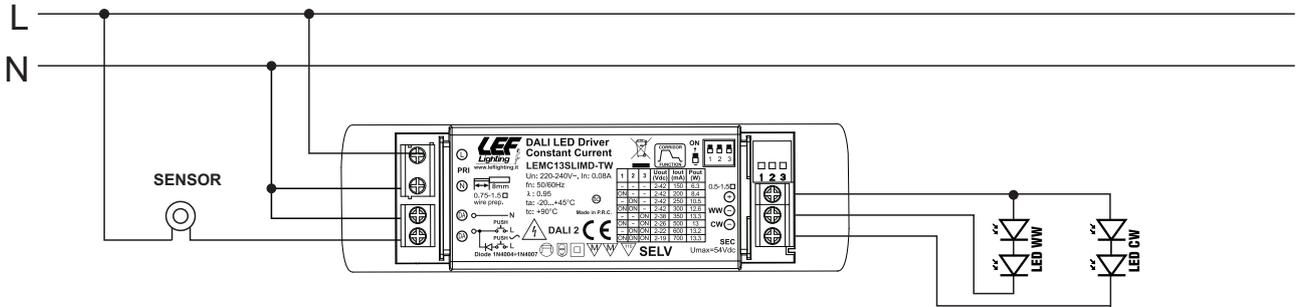
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## CORRIDOR mode

4



### Activating the CORRIDOR mode

The CORRIDOR mode can be activated in two ways:

#### By supply voltage:

Apply the supply voltage (220-240V, 50/60Hz) to the DALI input of the driver for at least 5 minutes, the light up 100% (under the default setting).

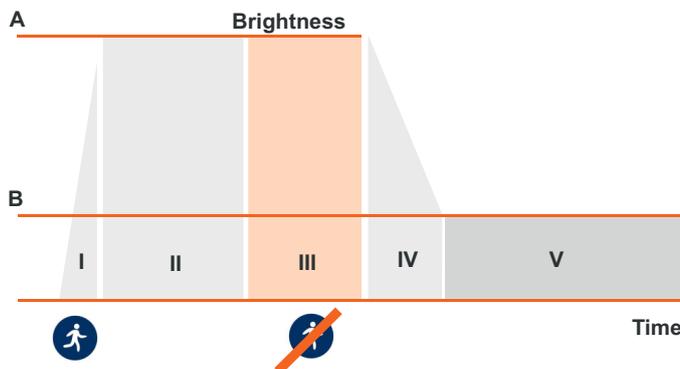
#### By sensor:

Keep the movement in the effective sensing area for at least 5 minutes, the light up 100% (under the default setting).

### Changing from the CORRIDOR mode to the PUSH mode

Connect a PUSH BUTTON as shown in diagram 3 or 4 and press it **5 times within 3 seconds**.

### Operation of the CORRIDOR mode



#### Operating parameters

- A:** Brightness on presence detection: 100%
- B:** Brightness in the absence of movement: 10%
- I:** Fade-in time at the first switched on: 1 sec
- II:** Switch-on time with 100% light: by sensor setting
- III:** Time without movement: 2 min
- IV:** Fade-off time for switch off: 30 sec
- V:** The light remains switched on at 10% until movement is detected.