# USER GUIDE
LEMC13SLIMD

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

LEF Lighting

General Characteristics

Plastic case (SLIM)
Driver not for indipendent mounting
Electric class protection II
Protection degree IP20

132mm
20mm
30mm
126mm
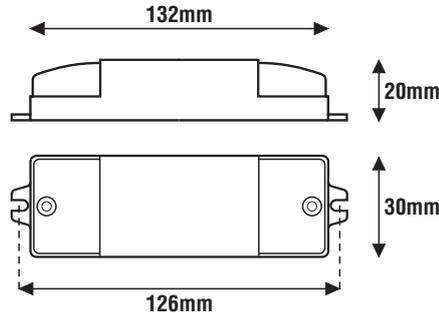
DALI LED Driver Constant Current — LEMC13SLIMD

Un: 220-240V~, In: 0.08A
fn: 50/60Hz
λ : 0.95
ta: -20...+45°C
tc: +90°C
DALI2 DT6

PRI — L / N
DA — N
DA — L
PUSH
8mm wire prep.
0.75-1.5▢

SEC — Umax=54Vdc
0.5-1.5▢
(+) (−)

CORRIDOR FUNCTION

SELV — M M 110 — CE — Made in P.R.C.

1	2	3	Uout (Vdc)	Iout (mA)	Pout (W)
-	-	-	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	2-38	350	13.3
ON	-	ON	2-26	500	13
-	ON	ON	2-22	600	13.2
ON	ON	ON	2-19	700	13.3

ON 1 2 3

Psb 0,5W — EE 84%
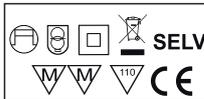
DIM PUSH 230Vac | SINCRO BY PUSH | MAX 5 DRIVER | DALI 2 | DALI DT6 | DIM DALI | DIP SWITCH

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 (λ)	CC CV	Peso Weight (g)
LEMC13SLIMD	220-240	0 | 50÷60	6,3	PUSH DALI 2 SENSOR	2-42	150	0,95	CC	65
			8,4			200			
			10,5			250			
			12,6			300			
			13,3		2-38	350			
			13		2-26	500			
			13,2		2-22	600			
			13,3		2-19	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
Brightness adjustment through:
- push-button (PUSH 230Vac)
- 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) λ ≥ 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**
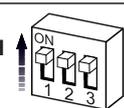
DIP SWITCHES WITH ON AT THE TOP
ON — 1 2 3

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 62386-251
EN 62386-252
EN 62386-253

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

MADE IN P.R.C.

22 PAP | CE | ▢ | ▢ | ▢ | 110 | M M | SELV | IP20 | ta MAX 45°C | tc MAX 90°C | PFC λ≥0,95 | 13,3 WATT | CC | 40mm

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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

ON
1 2 3

NO ! LED
SEC +
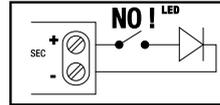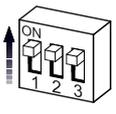
N.B.
Device not suitable for no-load operation.

ATTENTION:
The installation of the product must be followed by qualified personnel.
If the product is used for purposes other than the origi nal ones or if it is connected incorrectly, LEF Lighting S.R.L. will not accept any responsibility for damages caused.

ON-OFF mode ①
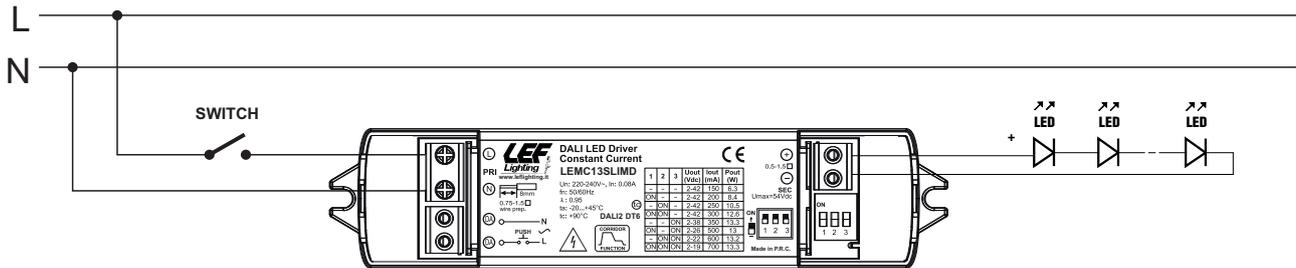
Connect a switch on the PHASE to switch the light on and off.
Do not connect the switch on the secondary side of the power supply.

DALI mode ②
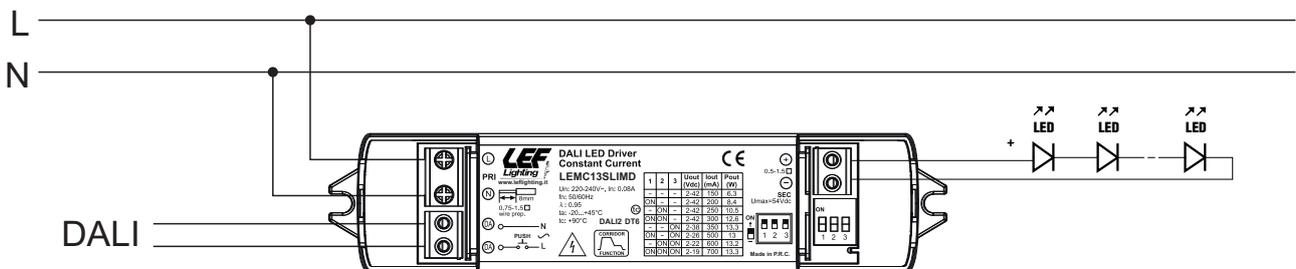
In this mode, the LED driver is controlled via DALI signal.

| DIM DALI | DALI DT6 | DIM DALI | DALI 2 |

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PUSH 230Vac mode

③
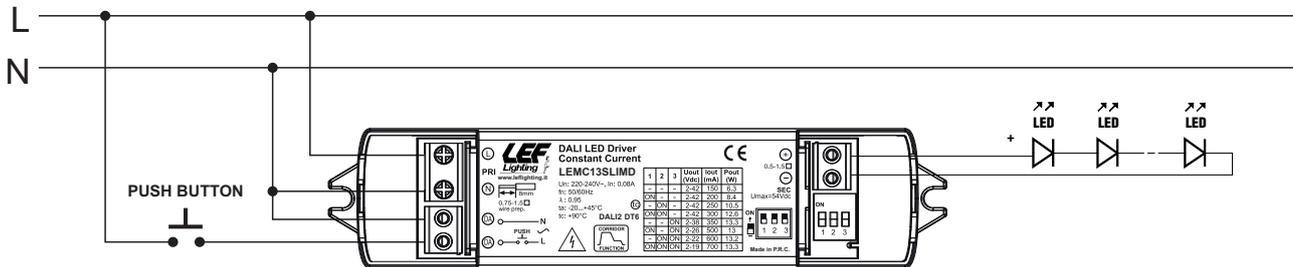
- **Short press(<1sec):** switches LED driver ON and OFF.

- **Long press:** LED modules are dimmed.
  After repush the LED modules are dimmed in the opposite direction.

- **If the LED driver is switched off**, the dimming value set on the driver will be stored and reset when the power supply is reactivated.

Maximum cable length of PUSH BUTTON: 20m

DIM PUSH 230Vac

PUSH 230Vac and SYNCRO by CABLE mode

④
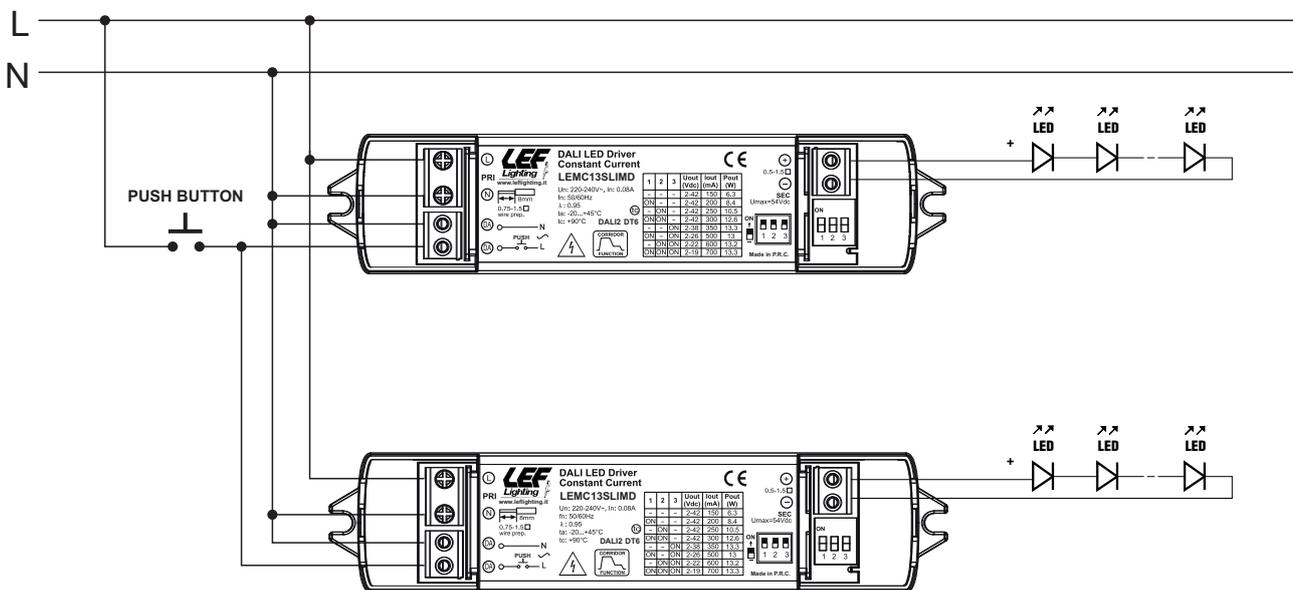
- **Short press(<1sec):** switches LED driver ON and OFF.

- **Long press:** LED modules are dimmed.
  After repush the LED modules are dimmed in the opposite direction.

- **If the LED driver is switched off**, the dimming value set on the driver will be stored and reset when the power supply is reactivated.

Synchronisation procedure
By pressing and holding the button for 15 seconds while the light is switched off, the power supplies
will synchronize to 50% brightness.

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

DIM PUSH 230Vac   MAX 5 DRIVER

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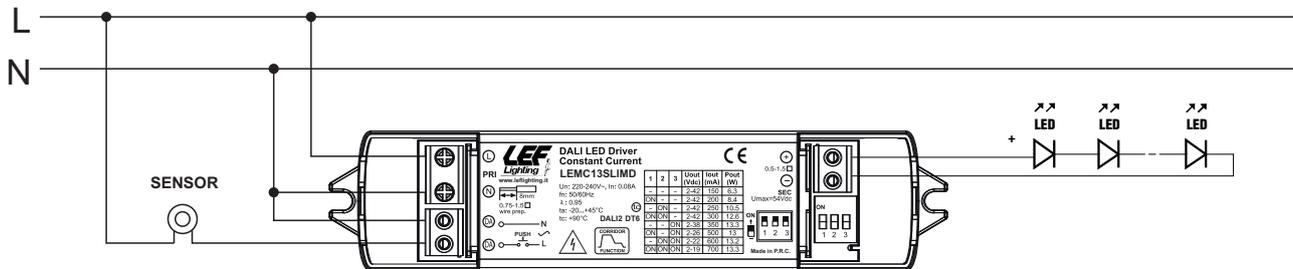
CORRIDOR mode

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
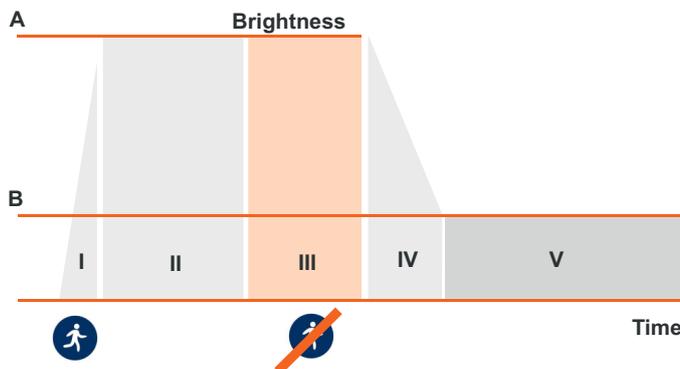
Operating parameters

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.

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