

# USER GUIDE

## LEMC45SLIMD

Dimmable constant multcurrent LED driver (CC) with push-button (PUSH) and DALI signal control IP20



www.lef Lighting.it

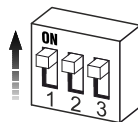
### General Characteristics

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

### Technical Features

Input voltage range 220-240Vac  
Input frequency 50+60Hz  
**Constant current output 350÷1050mA**  
(settings by dip-switch)  
**Factory setting: 350mA**  
**Brightness adjustment through:**  
- push-button (PUSH 230Vac)  
- DALI signal  
«LEVEL MEMORY» and «STATUS MEMORY» function  
Energy Efficiency (EE) 87%  
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  $T_a -20^{\circ}\text{C} + 50^{\circ}\text{C}$   
Max case temperature on  $T_c 80^{\circ}\text{C}$

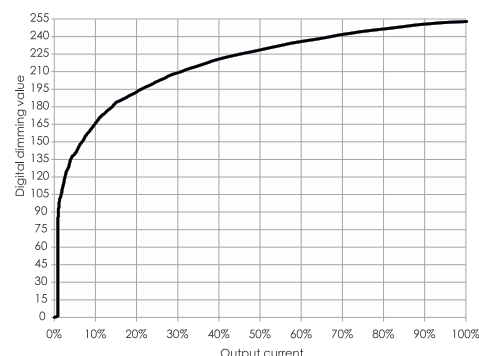
#### LED current selection



(ON) POSITION OF THE DIP-SWITCHES  
FACING UPWARDS

#### OUTPUT DIP-SWITCH

MAX Current (mA)	1	2	3
350	-	-	-
500	ON	-	-
600	-	ON	-
700	ON	ON	-
800	ON	-	ON
900	-	ON	ON
1050	ON	ON	ON

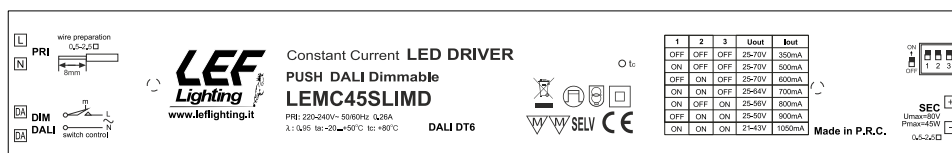


DALI 2	DALI DT6	DIM DALI	DIP SWITCH	LED COB	DIM PUSH 230Vac		EE 87%
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CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Potenza di uscita Output power (W)		Comando Command	Tensione di uscita Output voltage (Vdc)	Corrente di uscita Output current (mA)	PFC (λ)	CC CV	Peso Weight (g)
			MIN	MAX						
LEMC45SLIMD	220-240	50÷60	8,8	24	PUSH DALI	25-70	350	0,90	CC	170
			12,5	35			500			
			15	42			600			
			17,5	45		25-64	700	0,95		
			20			25-56	800			
			22,5			25-50	900			
			25,2			21-43	1050			

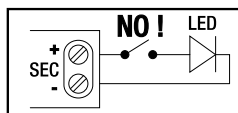
### Reference Standards

EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
EN 62386-207  
EN 62493

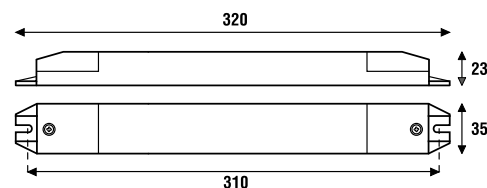


#### ATTENTION:

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.



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



PRODUCT TO BE DISPOSED  
DIFFERENTLY FROM URBAN WASTE  
AEE identification nr.1804000010321

MADE IN P.R.C.



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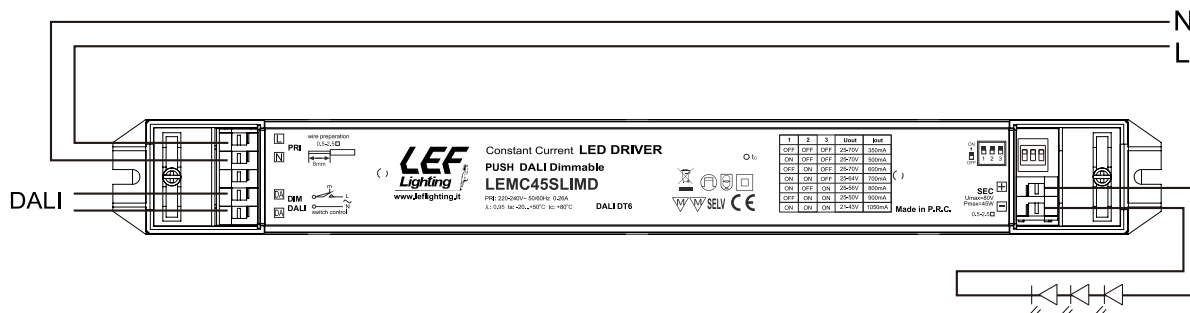
Wiring diagrams



## OPERATING MODES

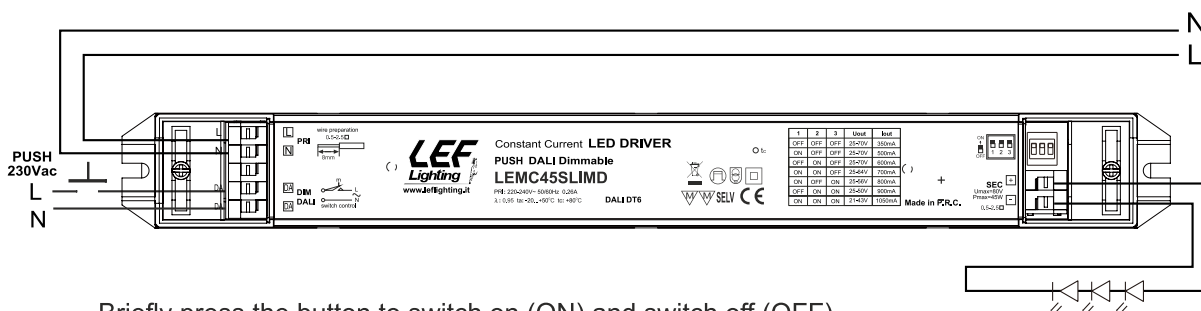
There are 2 distinct modes of operation : DALI and PUSH-BUTTON (PUSH 230Vac)

### DALI MODE



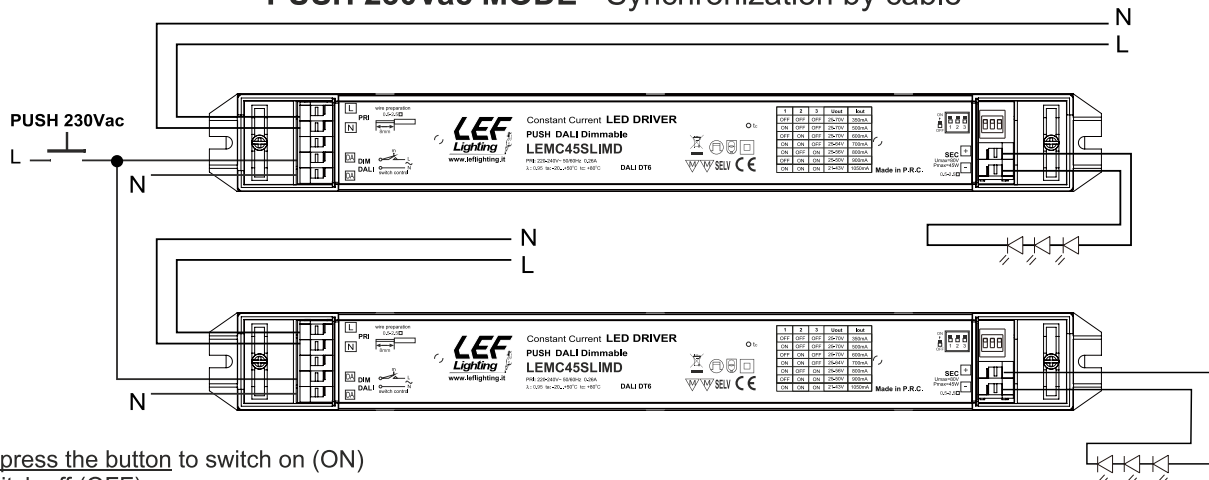
The dimming level is set by the value of the DALI signal sent by the DALI control unit.

### PUSH 230Vac MODE



- Briefly press the button to switch on (ON) and switch off (OFF).
  - Long press of the button for dimming.
- With a new long press of the button, the dimming restarts in the opposite direction.

### PUSH 230Vac MODE - Synchronization by cable



- Briefly press the button to switch on (ON) and switch off (OFF).
  - Long press of the button for dimming.
- With a new long press of the button, the dimming restarts in the opposite direction.

**Maximum number of synchronizable power supplies: 5**  
**Cable length of the BUTTON: 15 m**

**If the power supplies lose synchronization** they can be resynchronized again by pressing the BUTTON for 15 seconds with the light off.