

# USER GUIDE

## LEMC45D, LEMC45HD

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

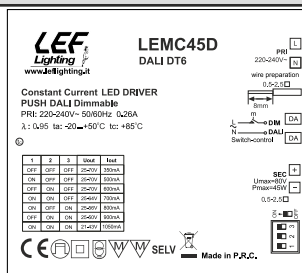
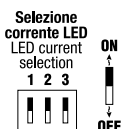


### General Characteristics

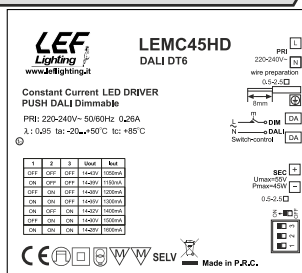
Plastic case  
Driver for independent mounting  
Electric class protection II  
Protection degree IP20

### Reference Standards

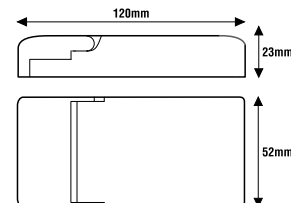
EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
EN 62386-207  
EN 62493



LEMC45D	OUTPUT DIP-SWITCH		
	Corrente MAX MAX Current (mA)	1	2 3
	350	-	-
	500	ON	-
	600	-	ON
	700	ON	ON
	800	ON	- ON
	900	-	ON ON
	1050	ON	ON ON



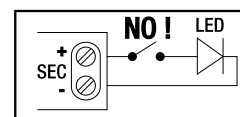
LEMC45HD	OUTPUT DIP-SWITCH		
	Corrente MAX MAX Current (mA)	1	2 3
	1050	-	-
	1150	ON	-
	1200	-	ON
	1300	ON	ON
	1400	ON	- ON
	1500	-	ON ON
	1600	ON	ON ON



	Tensione di ingresso Input voltage	Frequenza di rete Input frequency	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)
LEMC45D	220-240	50÷60	24	PUSH DALI	25-70	350	0,90	CC	170
			500						
			600						
			45		25-64	700	0,95		
					25-56	800			
					25-50	900			
					21-43	1050			
					LEMC45HD	220-240			
14-39	1150								
14-38	1200								
14-35	1300								
14-32	1400								
14-30	1500								
14-28	1600								

### Technical Features

Input voltage range 220-240Vac  
Input frequency 50÷60Hz  
**Constant current output 350÷1050mA (LEMC45D)**  
**Constant current output 1050÷1600mA (LEMC45HD)**  
(settings by dip-switch)  
**Factory setting: 350mA (LEMC45D)**  
**Factory setting: 1050mA (LEMC45HD)**  
**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)  
Short circuit protection (SCP)  
Power factor correction (PFC)  $\lambda \geq 0,95$   
Operating ambient temperature  $T_a -20^{\circ}\text{C} \div +50^{\circ}\text{C}$   
Max case temperature on  $T_c 85^{\circ}\text{C}$



#### N.B.

Power supply 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 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.IT18040000010321

MADE IN P.R.C.



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Wiring diagrams

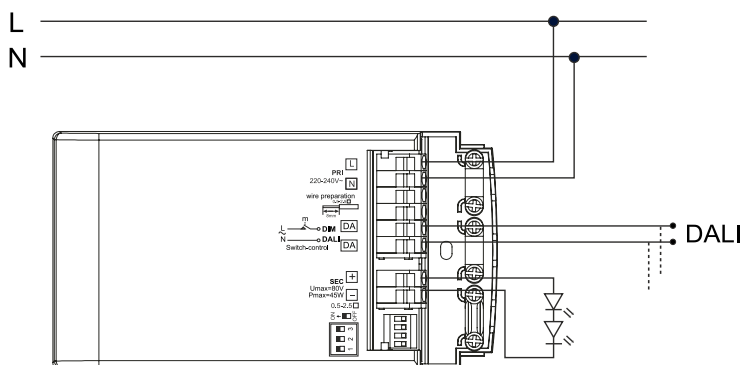
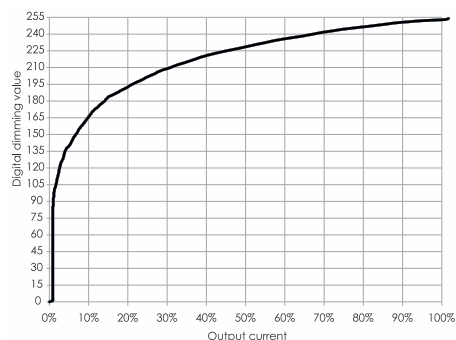


## OPERATING MODES

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

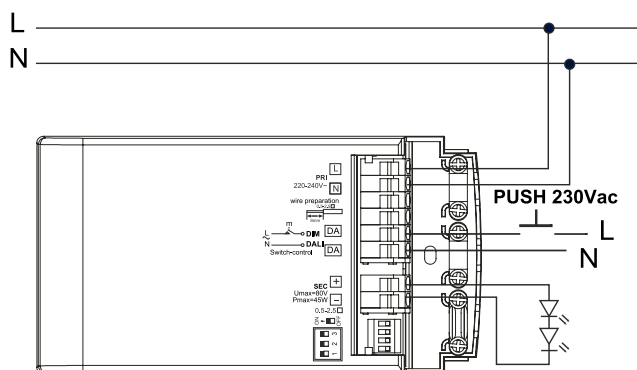
### DALI MODE

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.

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

Maximum number of synchronizable power supplies: 5

Cable length of the BUTTON: 15 m

