

USER GUIDE

LEMC30 v3.0

Multicurrent LED power supply dimmable by push button and 1-10V signal



Technical Features

Input voltage range 220-240Vac

Input frequency 50÷60Hz

Constant current output 250÷700mA

(settings by dip-switch)

Factory setting: 700mA

Energy efficiency at full load (EE): 89%

Stand-by power: 0,50W

Brightness adjustment through:

- push-button N.O. (normally open) (PUSH 230Vac)

- 1-10V signal

- 470Kohm potentiometer

«LEVEL MEMORY» and «STATUS MEMORY» function

(After a blackout, the power supply switches back on to the state it was previously).

Possibility of syncro of more drivers together (max 10 SLAVE)

Open circuit protection (OCP)

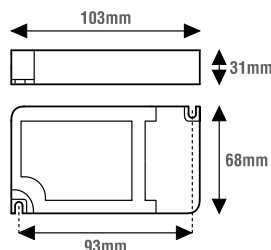
Protection against overtemperature (OTP)

Short circuit protection (SCP)

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

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

Max case temperature on T_c 75°C



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ADJUST THE DIP-SWITCHES FOR THE DESIRED OUTPUT CURRENT:

		OUTPUT DIP-SWITCH			
Potenza Power (W)	Corrente MAX MAX Current (mA)	1	2	3	4
21	250	-	ON	ON	ON
25,2	300	ON	-	ON	ON
29,4	350	-	-	ON	ON
33,6	400	-	ON	-	ON
37,8	450	-	-	-	ON
42	500	ON	ON	ON	-
41,8	550	-	-	ON	-
42	600	-	ON	-	-
41,6	650	ON	-	-	-
42	700	-	-	-	-

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)
LEMC30	220-240	50÷60	21	PUSH 1-10V POT470KΩ	3-84	250	0,95	CC	190
			25,2			300			
			29,4			350			
			33,6			400			
			37,8			450			
			42			500			
			41,8		3-76	550			
			42		3-70	600			
			41,6		3-64	650			
			42		3-60	700			



N.B. RESET PROCEDURE (factory data reset):

After a first use with the button, in order to restore the operation into the original one and cancel the "LEVEL MEMORY" (previously set with the button), it is necessary to short circuit the 1-10V input.

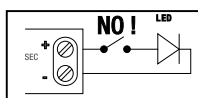
General Characteristics

Plastic case

Driver for independent mounting

Electric class protection II

Protection degree IP40



N.B.

Power supply not suitable for no-load operation

Reference standards

EN 55015

EN 61000-3-2

EN 61347-1

EN 61347-2-13

EN 61547

EN 62384



PRODUCT TO BE DISPOSED
DIFFERENTLY FROM URBAN WASTE

AEE identification nr.IT18040000010321



MADE IN P.R.C.

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Wiring diagrams

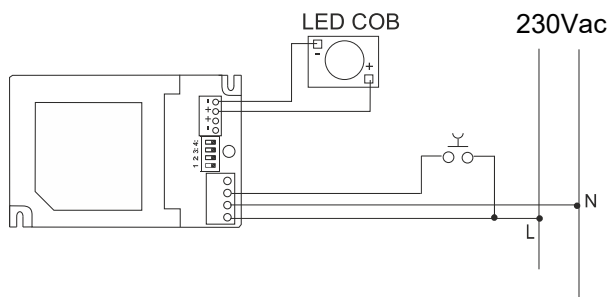


ATTENTION:

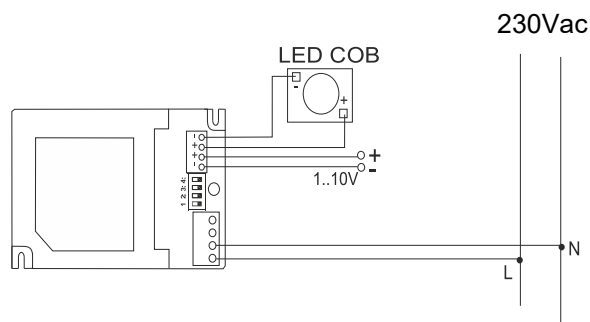
The installation of the product must be followed by qualified personnel.

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.

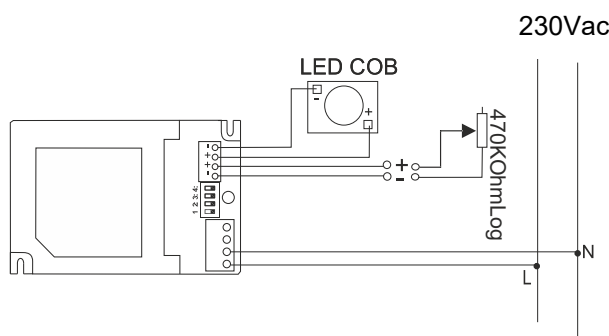
PUSH MODE (PUSH 230Vac)



1-10V MODE



POTENTIOMETER MODE (470KOhmLog)



LEF Lighting

LEMC30 v3.0
LED DRIVER 250-700mA 42W
DIMMERABLE PUSH e 1-10V

INPUT:
220-240Vac
50/60Hz 0.3A Max
 $\lambda=0.95$

OUTPUT:
100Vdc Max
Altri valori vedere tabella

For LED Modules use only

LEF LIGHTING S.R.L.
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• tc
tc=75°C
ta=45°C

Tabella di selezione correnti

PIN	IOUT	Output Voltage	POUT	1	2	3	4
24W	250mA	3-84VDC	21W	-	ON	ON	ON
29W	300mA	3-84VDC	25.2W	ON	-	ON	ON
33W	350mA	3-84VDC	29.4W	-	ON	ON	ON
38W	400mA	3-84VDC	33.6W	-	ON	-	ON
42W	450mA	3-84VDC	37.8W	-	-	ON	ON
47W	500mA	3-84VDC	42W	ON	ON	ON	-
47W	550mA	3-76VDC	41.8W	-	-	ON	-
47W	600mA	3-70VDC	42W	-	-	ON	-
47W	650mA	3-64VDC	41.6W	ON	-	-	-
48W	700mA	3-60VDC	42W	-	-	-	-

Prima dell'uso, verificare l'impostazione del dip-switch

LED - ☐
LED + ☐
DIM + ☐
DIM - ☐

SEC wire prep.
0.5-1.5mm² a

PRI wire prep.
0.75mm² a

RoHS SELV
MADE IN P.R.C.

PUSH-DIM ☐
ACN ☐
ACL ☐

PUSH MODE (PUSH 230Vac)

SYNCHRONIZATION OF MULTIPLE POWER SUPPLIES

