

# USER GUIDE

## LE7524P, LE10024P

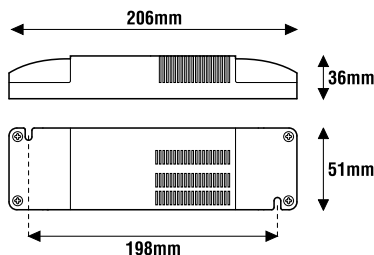
Dimmable constant voltage LED drivers (CV)



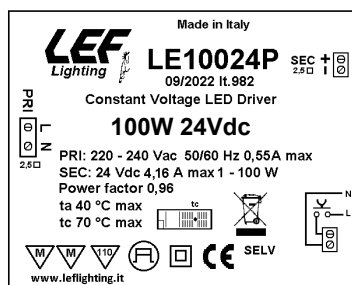
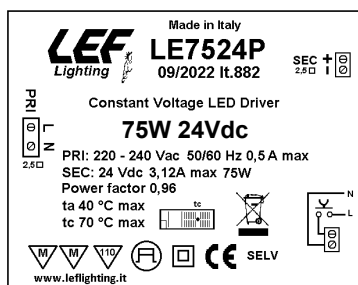
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### General Characteristics

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

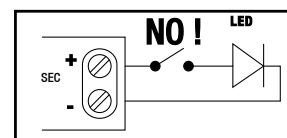


CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Potenza di uscita Output power (W)	Comando Command	Tensione di uscita Output voltage (Vdc)	Corrente di uscita Output current (mA)	PFC (λ)	CC CV	Peso Weight (g)
LE7524P	220-240	50÷60	75	PUSH	24	3120	0,96	CV	250
LE10024P			100			4160			



### Technical Features

Input voltage range 220-240Vac  
Input frequency 50÷60Hz  
**Constant voltage output 24Vdc**  
**Brightness adjustment through:**  
- **push-button (PUSH 230Vac)**  
«LEVEL MEMORY» and «STATUS MEMORY» function  
Synchronization of multiple power supplies via cable (max 10 SLAVE)  
Energy Efficiency (EE):  
- 90% (LE7524P)  
- 91% (LE10024P)  
Open circuit protection (OCP)  
Protection against overtemperature (OTP)  
Short circuit protection (SCP)  
Power factor correction (PFC)  $\lambda \geq 0,96$   
Operating ambient temperature  $T_a$  -10°C ÷ +40°C  
Max case temperature on  $T_c$  70°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.

### Reference standards

EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547

MADE IN ITALY



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



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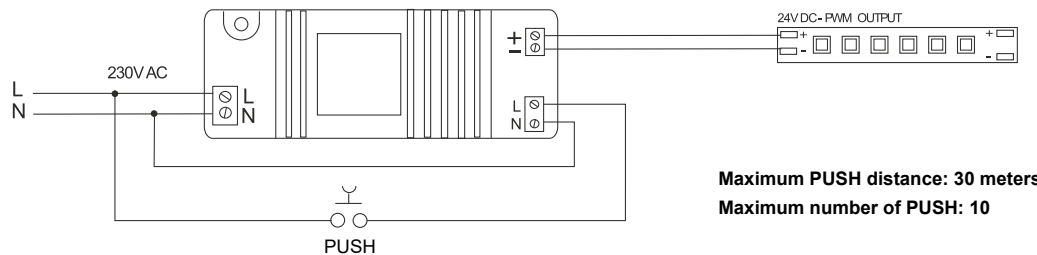
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Wiring diagrams

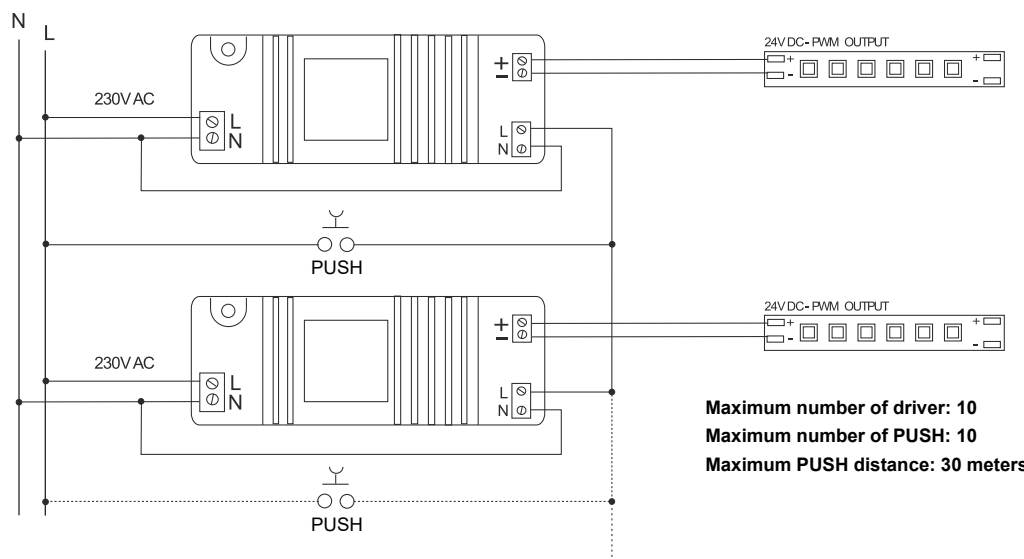


### PUSH 230Vac mode



Maximum PUSH distance: 30 meters  
Maximum number of PUSH: 10

### PUSH 230Vac mode and SYNCRO by cable



Maximum number of driver: 10  
Maximum number of PUSH: 10  
Maximum PUSH distance: 30 meters

#### **ALIGNMENT PROCEDURE**

If the power supplies lose synchronization, by continuously pressing the button > 10sec they will resynchronize all 100%.

#### **Warnings:**

1. Always pay attention to the polarity of the secondary cable
2. Put the system far from heat sources and in well aerated places.
3. Minimum distance from LED 10cm.
4. Thermal protection: if the temperature usually exceeds the limit values, the driver switches off and after a few seconds it switches on again.
5. Avoid short circuit on the secondary side and give tension only after all LEDs have been connected.
6. Lock the terminals carefully but do not tight by hand the terminal screw with excessive power.
7. LEDs connection: always use a 0,5 ... 1,5 mm cable for a maximum length of 10 m. Use a 1.5mmq cable for lengths over 10m, maximum 30m
8. Input wiring: use a minimum 2x0.75 mmq input cable.
9. **SERIOUS USE:** use a load lower than the maximum indicated from 10% to 20% for all types of appliances.
10. Check the maximum working temperature on point tc.