

# USER GUIDE

## LE6024D, LE7524D, LE10024D

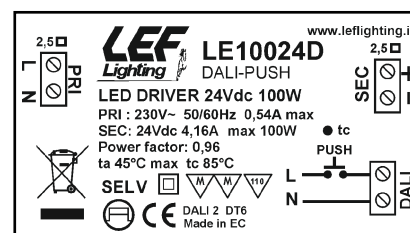
### Dimmable Constant Voltage LED drivers



www.lef Lighting.it

#### General Characteristics

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



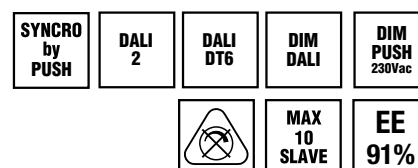
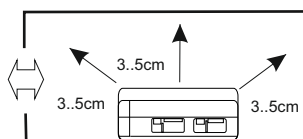
CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Potenza di uscita Output power (W)	Comando Command	Tensione di uscita Output voltage (Vdc)	Corrente di uscita Output current (mA)	PFC (λ)	CC CV	Peso Weight (g)
LE6024D	220-240	50÷60	60	PUSH   DALI	24	2500	0,96	CV	175
LE7524D			75			3125			215
LE10024D			100			4160			

#### Reference Standards

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

#### Correct installation

Power supplies  
must have adequate space for cooling.  
Observe the minimum distances given..



#### Technical Features

Input voltage range 220-240Vac

Input frequency 50÷60Hz

**Constant voltage output 24Vdc**

**Brightness adjustment through:**

- push-button (PUSH 230Vac)

- DALI signal

«LEVEL MEMORY» and «STATUS MEMORY» function

Synchronization of multiple drivers by cable (max10)

Energy Efficiency (EE):

- 88% (LE6024D)

- 91% (LE7524D)

- 90% (LE10024D)

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 (LE6024D)

Operating ambient temperature  $T_a$  -10°C ÷ +45°C

Max case temperature on  $T_c$ :

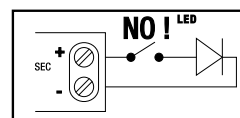
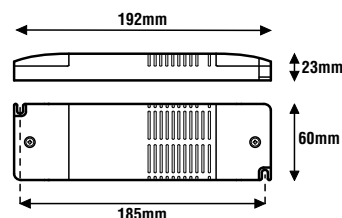
75°C (LE7524D)

80°C (LE6024D)

85°C (LE10024D)



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



#### 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 original ones or if it is connected  
incorrectly, LEF Lighting S.R.L. will not accept  
any responsibility for damages caused.

MADE IN EC



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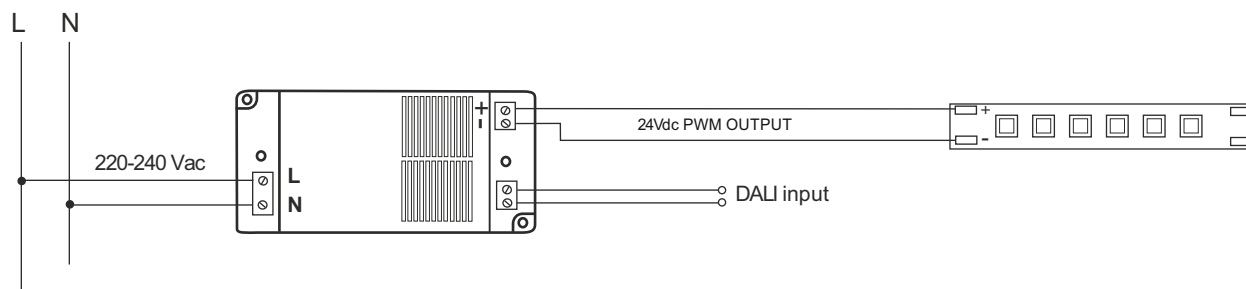
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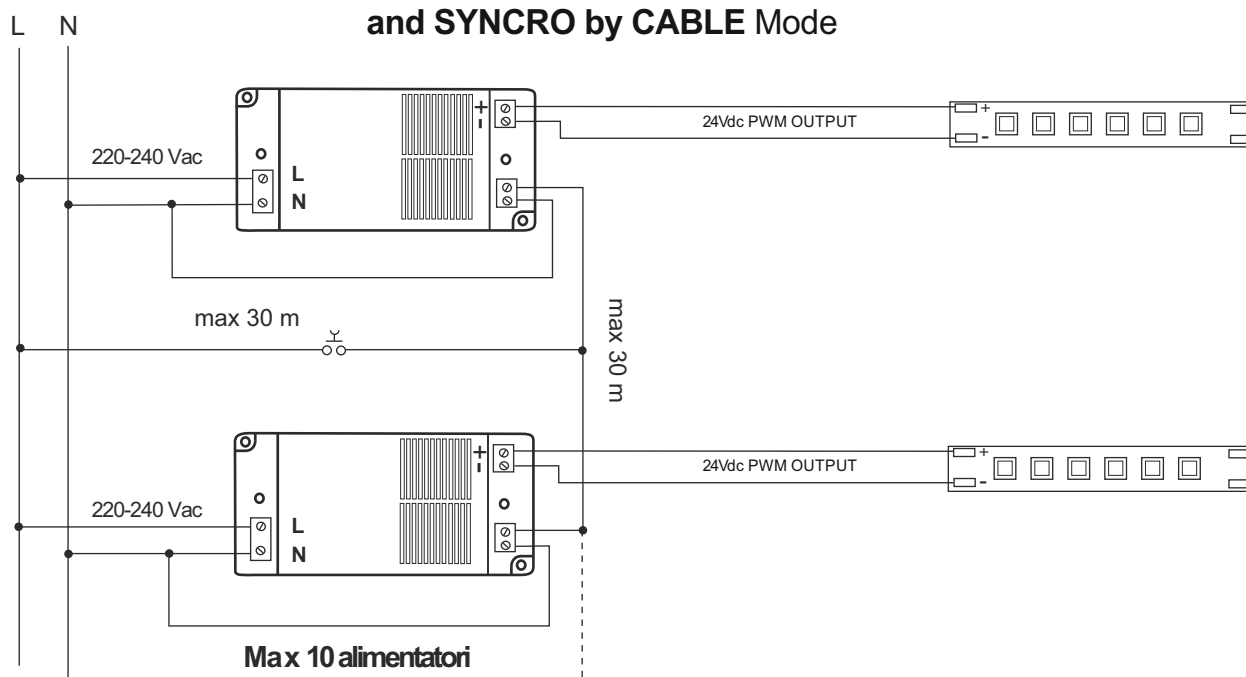
Dimmable Constant Voltage LED drivers



### DALI Mode



### PUSH 230Vac and SYNCRO by CABLE Mode



Push button control allows ON/OFF through short push and dimming through long pressure.

In case of mains voltage absence or primary switch the driver keeps in memory the last selected level of light (status memory).

**N.B. To synchronize multiple power supplies, press and hold the button for 10 seconds.**

#### 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 exceeds the limit values, the driver switches OFF and, after 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 and do not with excessive power.
7. LEDs connection: use a 1,5mmq cable for a maximum length of 10m; use a 2,5mmq cable for lengths: 10-30m.
8. Input wiring: use a cable 2 x 0,75 mmq minimum.
9. **HEAVY USE:** the load must be lower than the maximum indicated by 10% to 20% for all kinds of devices.
10. Check the maximum working temperature at tc point.