

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



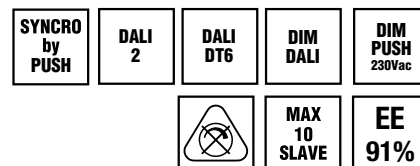
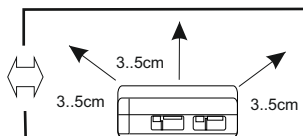
CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Potenza di uscita Output power (W)		Comando Command	Tensione di uscita Output voltage (Vdc)	Corrente di uscita Output current (mA)	PFC (λ)	CC CV	Peso Weight (g)
			MIN	MAX						
LE6024D	220-240	50÷60	10	60	PUSH 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
Minimum power 10W
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

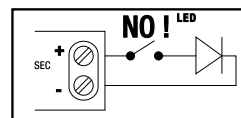
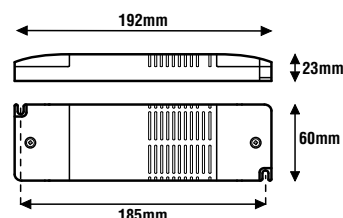
Max case temperature on T_c :

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 ITALY



LEF LIGHTING S.R.L. | www.lef-lighting.it

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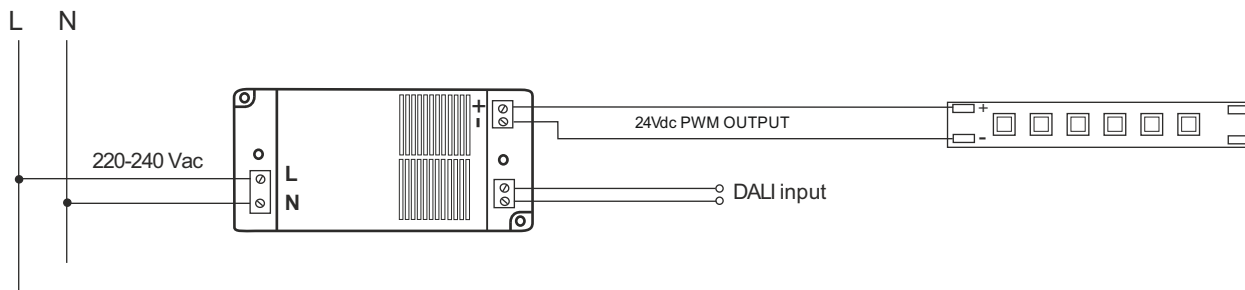
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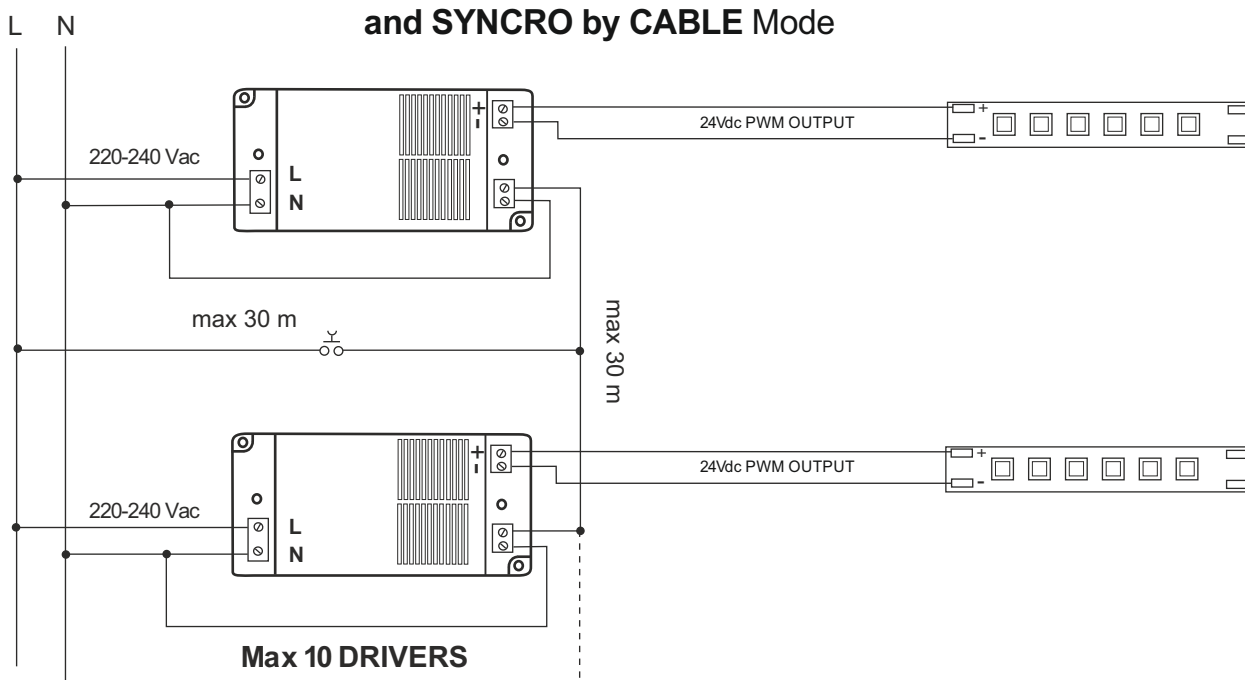
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DALI Mode



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.