

USER GUIDE

LE6024SLIMD, LE6024SLIMP

Dimmable constant voltage LED drivers CV



Technical Features

Input voltage range 110-240Vac

Input frequency 50÷60Hz

Constant voltage output 24Vdc

Energy Efficiency (EE): 89%

Brightness adjustment (LE6024SLIMD) through:

- push-button (PUSH 230Vac)

- DALI signal (with «STATUS MEMORY»)

Synchronization of multiple drivers by cable (max 5 SLAVE)

Brightness adjustment (LE6024SLIMP) through:

- 1-10V signal (without «STATUS MEMORY»)

- 47Kohm potentiometer

Open circuit protection (OCP)

Protection against overtemperature (OTP)

Short circuit protection (SCP)

Power factor correction (PFC) $\lambda \geq 0,96$

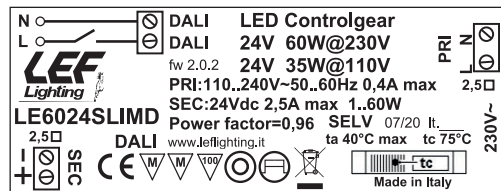
Operating ambient temperature $T_a -10^{\circ}\text{C} \div +40^{\circ}\text{C}$

Max case temperature on $T_c 70^{\circ}\text{C}$ (LE6024SLIMP)

Max case temperature on $T_c 75^{\circ}\text{C}$ (LE6024SLIMD)



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SYNCR by CABLE	max 5 SLAVE	DIM POT 47KΩ	DIM 1-10V	DIM DALI	DIM PUSH 230Vac
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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)
			@110V	@230V			@110V	@230V			
LE6024SLIMD	110-240	50÷60	35	60	PUSH DALI	24	1460	2500	0,96	CV	150
LE6024SLIMP					1-10V POT 47kΩ		1400				

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 0,5...1,5mmq cable for a maximum length of 10m; use a 1,5mmq cable for lengths: 10-30m.
8. Input wiring: use a cable 2x0,75 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 t_c point.



General Characteristics

Plastic case (SLIM)

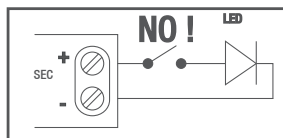
Driver for independent mounting

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



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.



PRODOTTO DA SMALTIRE IN MODO
DIFFERENZIATO DAI RIFIUTI URBANI

Iscrizione al Registro AEE nr.IT18040000010321



MADE IN ITALY

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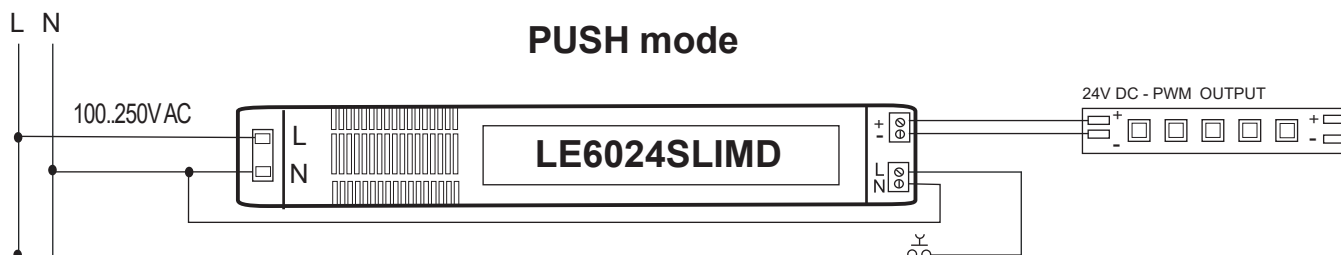
Wiring diagrams



DALI mode



PUSH mode

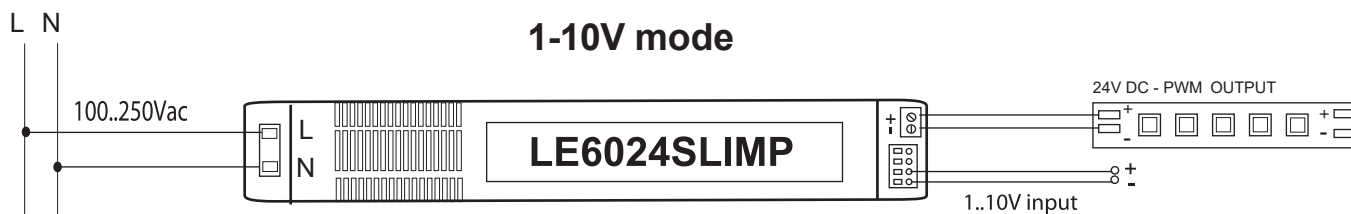


PUSH - SYNCRO mode



If the power supplies lose synchronization, press the button> 10sec continuously and the power supplies will re-synchronize.

1-10V mode



POTENTIOMETER mode (47KOhm)

