

USER GUIDE

LE20024D

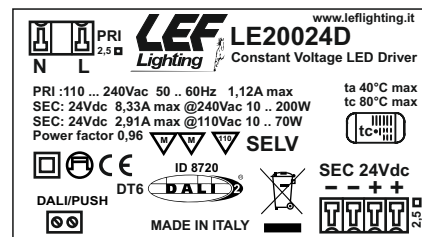
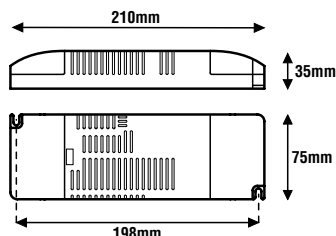
Dimmable constant voltage LED driver



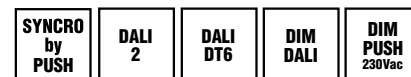
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General Characteristics

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)
			@110V		@230V								
			MIN	MAX	MIN	MAX			@110V	@230V			
LE20024D	110-240	50÷60	10	70	10	200	PUSH DALI	24	2910	8330	0,96	CV	400

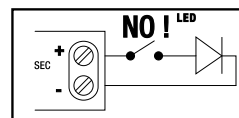
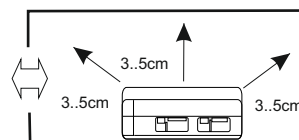


Technical Features

Input voltage range 110-240Vac
Input frequency 50÷60Hz
Constant voltage output 24Vdc
Minimum power 10W@230Vac (10W@110Vac)
Brightness adjustment through:
- **push-button (PUSH 230Vac)**
- **DALI signal**
«LEVEL MEMORY» and «STATUS MEMORY» function
Synchronization of multiple power supplies via cable (max 10)
Energy Efficiency (EE) 92%
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 $T_c 80^{\circ}\text{C}$

Correct installation

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



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.

Reference Standards

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



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



MADE IN ITALY

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Dimmable constant voltage LED driver



The diagram illustrates the wiring for the DALI 2 LED driver. On the left, the AC input is connected to terminals L and N, with a voltage range of 110..240V AC. The driver unit is shown with various internal components and connection points. On the right, the 24Vdc PWM OUTPUT is connected to a terminal block with a positive (+) and negative (-) terminal. Below this, the DALI input is connected to a terminal block with two terminals, labeled 1 and 2.



DALI
2

DALI
DT6

Wiring diagram for two DIM PUSH 230Vac drivers. Each driver is connected to a 100..250V AC supply (N, L) and a 24Vdc PWM OUTPUT. The diagram shows two identical driver units, each with a 'PUSH 230Vac' label and a 'max 30 m' distance specification. A dashed line indicates a maximum of 10 drivers can be connected in total.

**DIM
PUSH**
230Vac

**SYNCRO
by
PUSH**

**MAX
10
SLAVE**

Push button control allows ON/OFF through stork 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.

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.