

# USER GUIDE

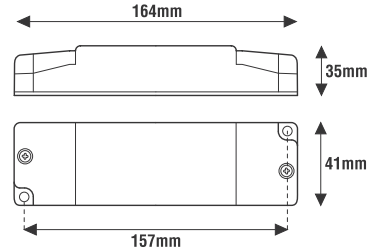
## Code: LE3624D

**DIMMABLE CONSTANT VOLTAGE LED DRIVER**



### General Characteristics

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



| CODICE<br>CODE | Tensione<br>di ingresso<br>Input voltage<br>(Vac) | Frequenza<br>di rete<br>Input frequency<br>(Hz) | Potenza<br>di uscita<br>Output power<br>(W) |       | Comando<br>Command | Tensione<br>di uscita<br>Output voltage<br>(Vdc) | Corrente<br>di uscita<br>Output current<br>(mA) |       | PFC<br>(λ) | CC<br>CV | Peso<br>Weight<br>(g) |
|----------------|---|---|---|-------|--------------------|--|---|-------|------------|----------|-----------------------|
|                |   |   | @110V                                       | @230V |                    |  | @110V   | @230V |            |          |                       |
| LE3624D        | 110-240   | 50÷60   | 30  | 36    | PUSH   DALI        | 24   | 1250  | 1500  | 0,96       | CV       | 180                   |

### WARNINGS FOR USE AND INSTALLATION

Constant voltage power supplies must be connected to groups of LEDs with current regulators incorporated or with series resistors.

Respect the maximum load power and the voltages indicated.

**Always pay attention to the polarity of the secondary cable.**

Put the system far from heat sources and in well aerated places.

Thermal protection: if the temperature exceeds the limit values, the driver switches OFF and, after few seconds, It switches ON again.

Avoid short circuit on the secondary side and give tension only after all LEDs have been connected Lock the terminals carefully and do not with excessive power.

LEDs connection: use a 0,5...1,5mmq cable for a maximum length of 10m; use a 1,5mmq cable for lengths: 10-30m.

Input wiring: use a cable 2x0,75 mmq minimum.

**HEAVY USE:** the load must be lower than the maximum indicated by 10% to 20% for all kinds of devices. Check the maximum working temperature at tc point.

### INSTRUCTIONS

**Pressing the button quickly allows it to be turned on and off.**

**long press allows adjustment.**

**In the event of a power failure or switch on the primary side, the control unit maintains the last stored level (STATE MEMORY).**

Use buttons without indicator light.

To synchronize multiple power supplies, press and hold the button for 15 seconds

### Technical Features

Input voltage range 110-240Vac

Input frequency 50÷60Hz

**Constant voltage output 24Vdc**

**Brightness adjustment through:**

- push-button (PUSH 230Vac)

- DALI signal

Synchronization of multiple drivers by cable (max 10 drivers)

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  $T_c 70^{\circ}\text{C}$

### Reference Standards

EN 55015

EN 61000-3-2

EN 61000-3-3

EN 61347-1

EN 61347-2-13

EN 61547



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

**MADE IN ITALY**



LEF LIGHTING S.R.L. | [www.leflighting.it](http://www.leflighting.it)

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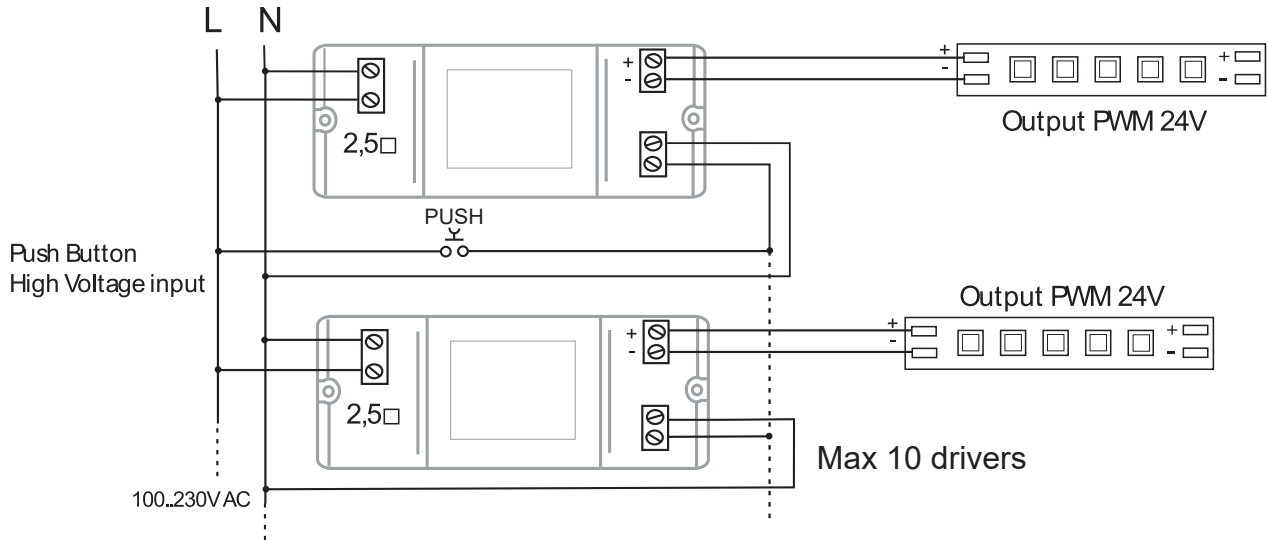
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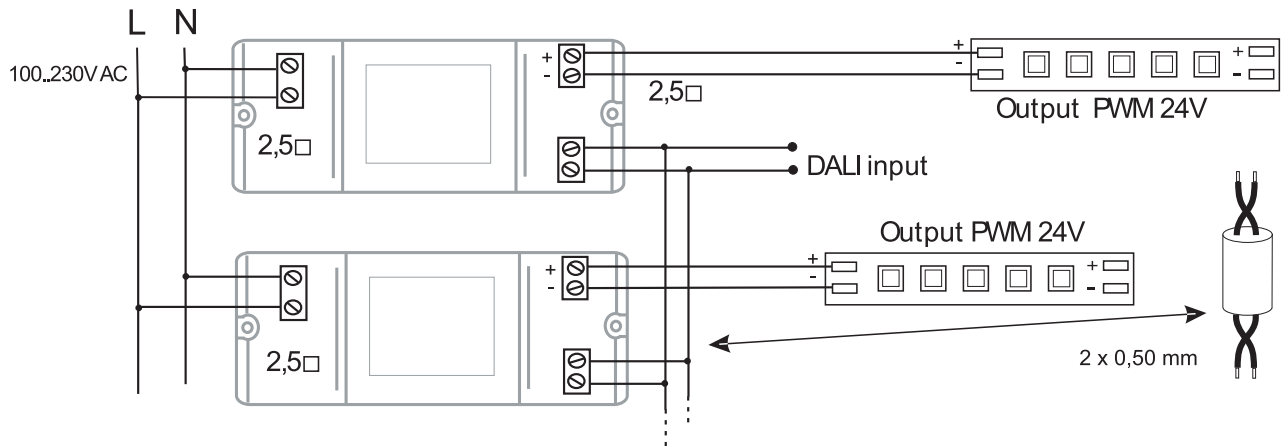
### WIRING DIAGRAMS

#### PUSH MODE



If the power supplies lose synchronization, by continuously pressing the button > 15 seconds they will synchronize again

#### DALI MODE



**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**

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- EN 61000-3-2
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|    |  |  |  |  |  |             |  |                |                |                 |            |             |           |  |
|----|--|--|--|--|--|-------------|--|----------------|----------------|-----------------|------------|-------------|-----------|--|
| CE |  |  |  |  |  | <b>IP20</b> |  | ta<br>MAX 40°C | tc<br>MAX 70°C | PFC<br>λ ≥ 0,96 | 36<br>WATT | DC<br>24Vdc | <b>CV</b> |  |
|----|--|--|--|--|--|-------------|--|----------------|----------------|-----------------|------------|-------------|-----------|--|

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