

# USER GUIDE

## MAXDLED60HP

Phase-cut dimmable electronic transformer for halogen and LED lamps 12Vac



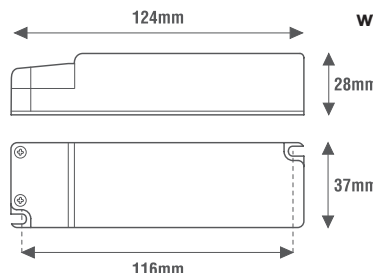
www.lef-lighting.it

### General Characteristics

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

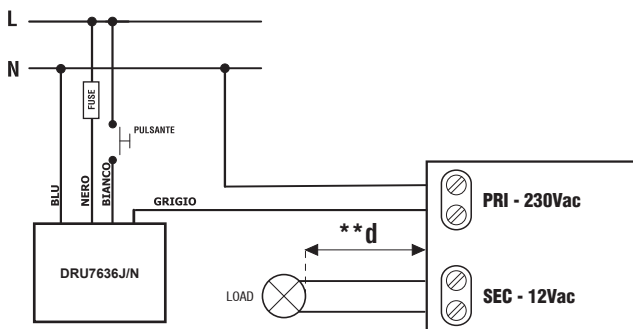
### Reference Standards

EN 50581  
EN 55015  
EN 61000-3-2  
EN 61347-1  
EN 61347-3-3  
EN 61547  
EN 62321  
EN 62474



Descending Phase Cutting dimming (at the end of the phase) IGBT Trailing Edge

CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Comando Command	Potenza di uscita Output power (W)	Tensione di uscita Output voltage (Vac)	Frequenza di uscita Output voltage (Khz)	PFC (λ)	Peso Weight (g)
MAXDLED60HP	220-240	50÷60	IGBT	1-60*	12	24	0,95	120

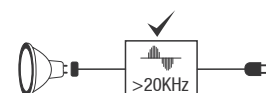


\*\* Maximum distance from the load: 10m (With 2,5mm<sup>2</sup> section cable)

Power factor 12Vac LED lamp (λ)	Maximum Power (W)
λ < 0,70	45
λ > 0,70	60

\* New Low Frequency technology (24KHz) to decrease the heat losses in the bulbs and to ensure better compatibility with a wider range of LED lamps

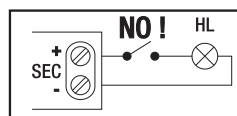
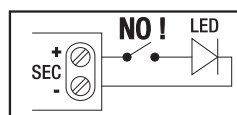
Compatible with most of 12Vac 50-60Hz LED lamps (info: LEF Lighting Technical Office)



Connectable LED lamps must admit a 12Vac power supply in high frequency (HF) or one operating indication with electronic transformer

### Technical Features

Input voltage range 220-240Vac  
Input frequency 50÷60Hz  
Voltage output 12Vac  
Output frequency 24KHz  
Phase-cut dimmable:  
- IGBT Trailing-Edge  
Energy Efficiency (EE) 93%  
Protection against overvoltage (OVP)  
Short circuit protection (SCP)  
Power factor correction (PFC) λ ≥ 0,95  
Operating ambient temperature Ta -10°C ÷ +40°C  
Max case temperature on Tc 75°C



#### 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.

**MAXDLED60HP**  
www.lef-lighting.it

Led Electronic Transformer  
Halogen bulbs  
Led Bulbs

PRI: 230V ~ 50..60Hz 0,34A  
SEC: 12V ~ 1..50W 24KHz  
Power factor: 0,7..0,95  
Dimmable IGBT  
Made in EC

SELV

ta 40° max • Tc 75° max

PRI 2,5 230V	SEC 2,5 12V
--------------	-------------

[AA] Rev. v1.10 09/02/2022

LED

HL

EE 93%

60 WATT

DIM IGBT

OUT HF 24KHz

ta MAX 40°C

tc MAX 75°C

PFC λ ≥ 0,95

AC 12V

50mm

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

Via Rodolfo Morandi, 9/11 - 50019 Sesto Fiorentino (FI) - ITALY | Tel +39 055 421 77 27 - Fax +39 055 425 44 92