

## Electronic Low-Voltage Transformers Type 1 Enclosure



ELVXF-60-T10-CE

### Description

Lutron's SELV-equivalent step-down converter for halogen lamps works with Lutron's leading or trailing edge 230V (CE) products. The ELVXF incorporates short-circuit, thermal, and overload protection with self-resetting capabilities.

Leads are available for different models. The attachment of the leads depends upon the model number chosen. Leads are attached as 1 pair. For example, in the table shown below, model ELVXF-60-L11-CE would include 1 pair of leads on the secondary, and terminals on the primary.



ELVXF-60-L11-CE

<u>Model Number</u>	Primary	Secondary
ELVXF-60-T10-CE	-	-
ELVXF-60-L11-CE	-	✓
ELVXF-60-L12-CE	✓	✓

Wire attachment for 1 pair of leads.

Job Name:

Model Numbers:

Job Number:

## Specifications

### Input Power

- 230-240V AC  $\pm$  10% 50/60Hz
- At 60W, 0.28A
- Power factor ( $\lambda$ , Cos  $>\phi$ ) 0.98 (Class II)
- Efficiency ( $\eta$ )  $>$  95%

### Output Power

- 11.7V AC 35kHz
- 10-60W
- SELV-Equivalent

### Standards

- Safety: EN 61347.2.2
- Performance: EN 61047
- EMC: EN 55015
- Transient: EN 61547
- Harmonics: EN 61000.3.2

### Approval Marks

- CE
- SEMKO EMC (not ELVXF-60-L12-CE)
- ENEC (not ELVXF-60-L12-CE)

### Environment

- 10 – 50°C
- Relative humidity less than 90% non-condensing

### Mounting

- Single screw (No. 6)

### Physical Design

- Case dimensions: 123mm x 38mm x 30mm (LxWxH)
- Case material: Flame retardant Nylon 66
- Weight: 84g (without leads)
- tc max: 85°C. Measured at test point
- Ingress protection: IP20
- Label: Tamper printed

### Terminals

- Input: 2-way screw terminal block accepts 2.5 mm<sup>2</sup> wire
- Output: 2-way screw terminal block accepts 4.0 mm<sup>2</sup> wire
- Maximum torque: 0.34 N·m (3 lbf·in)

### Wire Attachment

#### ELVXF-60-T10-CE

- No wires attached.
- 0.8 N·m (7 lbf·in) torque on the screw holding the strain relief.

#### ELVXF-60-L11-CE

- Input: no wires attached
- Output: 0.5m x 0.75mm<sup>2</sup> twin round PVC/PVC 105 °C (short duration) attached to the secondary connections.
- 0.8 N·m (7 lbf·in) torque on the screw holding the strain relief.

#### ELVXF-60-L12-CE

- Input: 0.5m x 0.75mm<sup>2</sup> twin flat PVC/PVC 105 °C (short duration) attached to the primary connections.
- Output: 0.5m x 0.75mm<sup>2</sup> twin round PVC/PVC 105 °C (short duration) attached to the secondary connections.
- 0.8 N·m (7 lbf·in) torque on the screw holding the strain relief.

### Model Number Description

E L V X F - 6 0 - T 1 0 - C E

Standard Prefix

Standard Suffix

Power Rating  
60 = 60W  
105 = 105W

Wire Attachment  
0 = no wires (terminals only)  
1 = 1 pair of wires on secondary  
2 = 1 pair on primary and secondary  
3 = 1 pair on primary

Enclosure Type  
1 = Type 1 (access on one end)  
2 = Type 2 (access on both ends)

Indication of Wire Attachment  
T = terminals only (no wires)  
L = lead wires attached

Job Name:

Model Numbers:

Job Number:

## For use with the following controls:

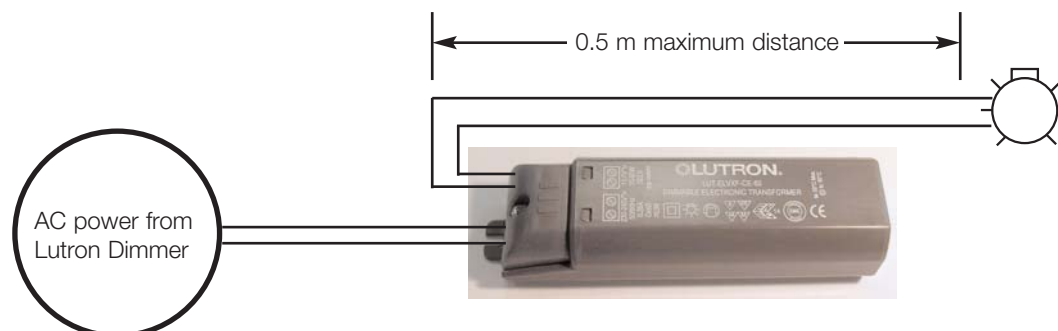
Lutron Commercial Products	Restrictions
GXI-3___-_-CE-___	None
GRX-3___-_-CE-___	None
LP 4E Module	None
LP 4U Module	None
NGRX-ELVI-CE-WH	None
NGRX-PB-CE-WH	None
GP Dimming Panel	None

Lutron Residential Products	Restrictions
HWI 4E Modules	None
HWI 4U Modules	None
HWA-5E	None
HNA-5E	None
TM-ELV500-___	None
TIR-ELV500-___	None
TM-MLV500-___	250W Maximum Load
TIR-MLV500-___	250W Maximum Load

Note: Do not mix electronic and magnetic transformers on the same circuit.

## Wiring

- Pull 2.5 mm<sup>2</sup> Cu 75°C minimum wires for input and load connections.
- Keep the distance between the load and the transformer to a maximum distance of 0.5 meters.



Job Name:

Model Numbers:

Job Number: