

Electronic Low-Voltage Transformers Type 2 Enclosure



ELVXF-60-T20-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. Available in 60W or 105W rated models.

Models Available:

ELVXF-60-T20-CE
 ELVXF-105-T20-CE
 ELVXF-105-L23-CE



ELVXF-105-T20-CE

Job Name:

Model Numbers:

Job Number:

Specifications

Input Power

- 230-240V AC \pm 10% 50/60Hz
- At 60W, 0.28A; at 105W, 0.45A
- Power factor (λ , Cos $>$ \emptyset) 0.98 (Class II)
- Efficiency (η) $>$ 95%

Output Power

- 11.7V AC 35kHz
- 60W: 10-60W; 105W: 35-105W
- 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
- VDE (not ELVXF-105-L23-CE)

Environment

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

Mounting

- Screw (No. 6) fixing located under each terminal cover/strain relief.

Physical Design

- Case dimensions: 150mm x 42mm x 32mm (LxWxH)
- Case material: Flame retardant Polycarbonate (PC940)
- Weight: 60W, 130g (without leads)
105W, 141g (without leads)
- tc max: 60 W, 85°C; 105W, 95°C
Measured at test point
- Ingress protection: IP20
- Label: Tamper printed

Terminals

- Input: 2-way screw terminal block accepts 2.5 mm² wire. Two sets of two.
- Output: 2-way screw terminal block accepts 4.0 mm² wire. Two sets of three.
- Maximum torque: 0.34 N·m (3 lbf·in)

Wire Attachment

ELVXF-60-T20-CE

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

ELVXF-105-T20-CE

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

ELVXF-105-L23-CE

- Input: 0.5m x 0.75mm² twin flat PVC/PVC 105 °C (short duration) attached to one of the primary connections.
- Output: no wires attached.
- 0.8 N·m (7 lbf·in) torque on the screw holding the strain relief.

Model Number Description

E L V X F - 1 0 5 - T 2 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:

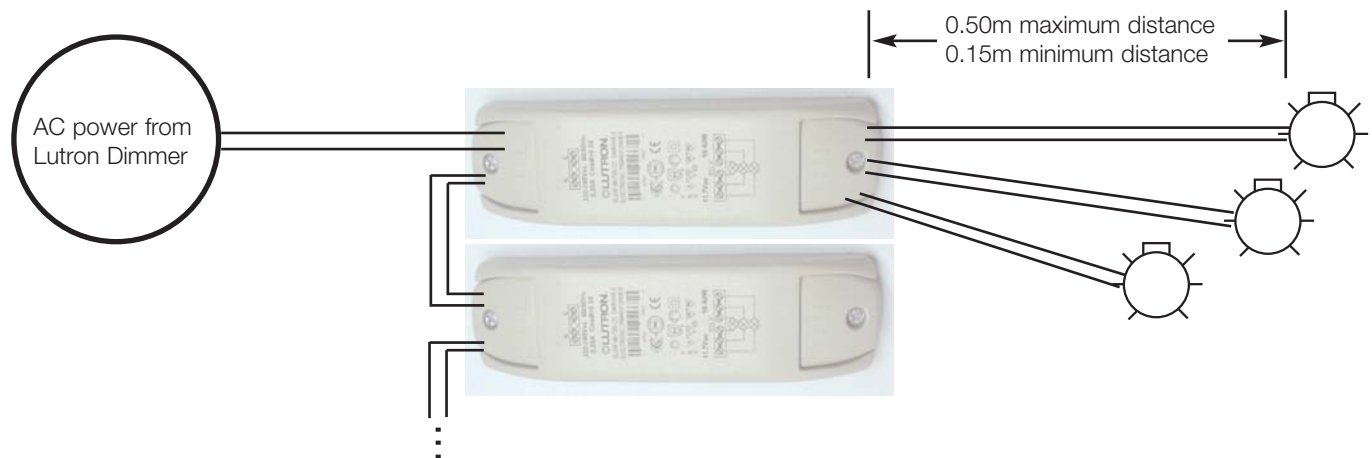
Lutron Commercial Products	Restrictions
GXI-3__-_-CE-__	None
GRX-3__-_-CE-__	None
LP 4E Module	None
LP 4U Module	None
NGRX-ELVI-CE-WH	None
NGRX-PB-CE-WH	None
GP Dimming Panel	None

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 mm² 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, and a minimum of 0.15 meters.



Job Name:

Model Numbers:

Job Number: