

LED Transformer

Electronic Transformers for low-voltage LED application



Product Description

High frequency, compact size and Long lifetime LED Transformer, operation with 24VDC LED module, LED Strip and other LED application where need 24VDC constant voltage.

Product Features and Benefits

- Optimal performance thanks to the dedicated LED solution
- Long lifetime, 30,000 hours
- Safe operation, SELV compliant, CB
- Safety protections including overload protection and short circuit protection
- Installation friendly, Independent and Class II
- ENEC, CQC, CE, CB certificate

Applications

- Hotel, Partially light the space, Living rooms, Corridors

- Retail & Shopping Mall, Cabinet or shelf lighting
- Restaurant, Enhance the ambience, create the mood
- Decoration, Create space and layers, light sculpture

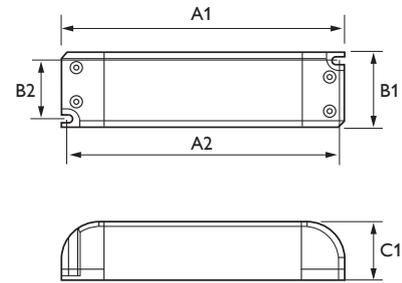
Quality

We ensure optimum quality regarding:

- System supplier
As manufactures of lamps and gear, Philips ensures that, from the earliest development stage, optimum LED light source and gear performance is designed
- International supplier
Philips LED transformer fully comply with SELV standards, IEC 61347-1, IEC 61347-2-13

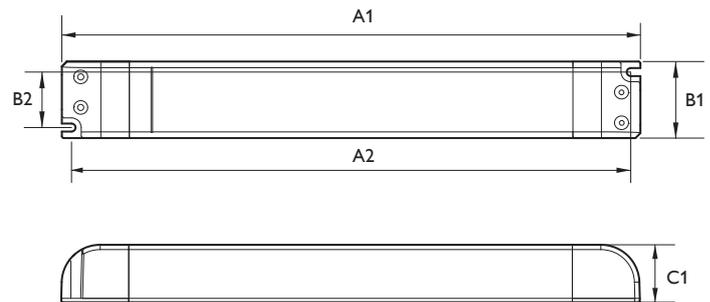
Compliances and approvals

• Safety	IEC61347-1, IEC61347-2-13
• Performance	EN62384
• RFI < 30 MHz	CISPR15 Ed 7.1
• RFI > 30 MHz	CISPR15 Ed 7.1
• Harmonics	EN 61000-3-2
• Immunity	EN61547
• Vibration & bump tests	IEC 60068-2-6 Fc IEC 60068-2-29 Eb
• Approval marks	SELV, CB, CE, CQC, ENEC
• Quality standard	ISO9001
• Environmental standard	ISO14001
	RoHS compliance



Dimensions in mm

Type	A1	A2	B1	B2	C1
LED Transformer 60W 24VDC	180	170	52	42	30



Dimensions in mm

Type	A1	A2	B1	B2	C1
LED Transformer 120W 24VDC	300	290	40	29	30

Technical data

Type	Voltage (Volt)	Frequency (Hz)	Power factor	Max. output power (Watt)	Max. output current (Amp)	Output voltage (Volt)	Tc (°C)	Ta (°C)	Dimmable (Y/N)
LED Transformer 60W 24VDC	220-240	50/60	0.95	60	2.5	24 VDC	85	-20...50	N
LED Transformer 120W 24VDC	220-240	50/60	0.95	120	5.0	24 VDC	90	-20...50	N

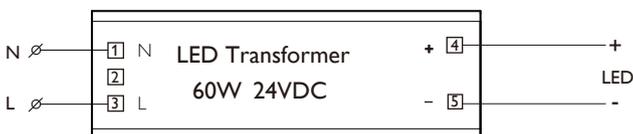
Inrush current

Type	Max quantity of ballasts Per MCB Type B 16A	Inrush current ½ Value time at typical mains Impedance
LED Transformer 60W 24VDC	13	28A / 330us
LED Transformer 120W 24VDC	12	35A / 320us

Conversion table for max. quantities of ballasts on other types of Miniature Circuit Breaker

MCB type	Rating	Relative number of ballasts
B	16 A	100% (see table above)
B	10 A	63%
C	16 A	170%
C	10 A	104%
L, I	10 A	65%
G, U, II	16 A	212%
G, U, II	10 A	127%
K, III	16 A	254%
K, III	10 A	154%

Wiring Diagram:



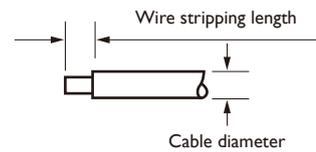
Technical data for installation

Mains operation

Rated mains voltage	220-240V
With tolerance for performance	202-254V
Lifetime	30,000 hours
Over voltage	Up to 320V (2 hours)
Tamb	-20°C ~ +50°C
Max Tcase	85°C (LED Transformer 60W 24VDC) 90°C (LED Transformer 120W 24VDC)

Protection

Short circuit protection	Yes
Overload protection	Yes



Wire cross-section:

Input side	0.75 ... 2.5 mm ²
Output side	0.75 ... 2.5 mm ²

Wire stripping length:

Input side	6 ... 7 mm
Output side	6 ... 7 mm

Cable diameter:

Input side	3.3 ... 8 mm
Output side	2 ... 5 mm

Minimum installation distance:

between transformer	50 mm
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Ordering and packing data:

Transformer	I2NC	Language	Carton		Pallet	
			Carton packing	Dimensions	Cartons-per pallet	Qty-per pallet
			Qty pcs	L x W x H cm	pcs	pcs
LED Transformer 60W 24VDC	913710032267	Chinese	20	28.0 x 22.5 x 22.0	64	1280
LED Transformer 60W 24VDC	913710032266	English	20	28.0 x 22.5 x 22.0	64	1280
LED Transformer 120W 24VDC	913710032567	Chinese	20	36.5 x 22.5 x 20.0	52	1040
LED Transformer 120W 24VDC	913710032566	English	20	36.5 x 22.5 x 20.0	52	1040



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02/2016
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