



# ET-Economy Transformer

Electronic transformers for low-voltage lamps

## Product Description

High-frequency, unique compact size and long lifetime electronic transformer, operation with 12V halogen lamps & LED lamps

## Product Features and Benefits

- Dedicated halogen transformer
- Long lifetime, 30,000 hours
- Safe operation, SELV compliant, CB
- Overheating protection
- Quick ignition time, <0.8s
- Lead wire

## Applications

- Hotels, Living rooms, Washroom, Corridors, Stairway, Lobby, Reception areas and Exhibition rooms
- Shop decorative, Restaurants and accent lighting

## Quality

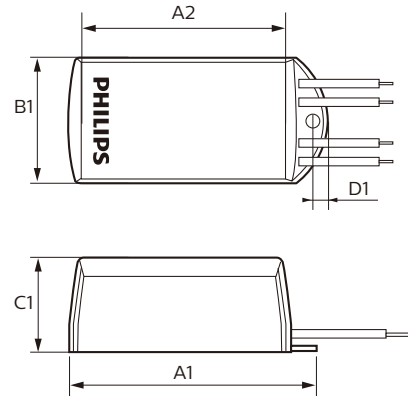
We ensure optimum quality regarding:

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

**PHILIPS**

## Compliances and approvals

• Safety	IEC61347-1 IEC61347-2-2 IEC61347-2-13
• Vibration & bump tests	IEC 60068-2-6 Fc IEC 60068-2-29 Eb
• Approval marks	SELV, CB
• Quality standard	ISO9001
• Environmental standard	ISO14001 RoHS compliance



Dimensions in mm (nom)

Type	A1	A2	B1	C1	D1
ET-E 10	76.0	64.0	38.0	24.5	4.0

## Lamp & Gear matching table

Transformer	Lamp type	Qty
ET-E 10	MASTER LED 8-50W + 827 MR16 36D Dim 9290030728	X1 PCS
ET-E 10	MAS LED MR16 ExpertColor 8-50W 927 36D 9290030767	X1 PCS

### Note:

The matching table will be updated periodically. Please approach your local Philips representatives for the latest information.

## Technical data

Type	Voltage (Volt)	Frequency (Hz)	Input Power (W)	Output Power (W)	PF	T <sub>case</sub> life (°C)	T <sub>ambient</sub> (°C)
ET-E 10	220-240	50/60	11.1	10	0.95	65	-20... 50

## Ordering and packing data

Transformer	GPC	Language	Single unit		Carton		Pallet	
			gross	Dimensions	Carton packing	Dimensions	Cartons-per pallet	Qty-per pallet
			kg	mm	Qty	L x W x H	pcs	pcs
ET-E 10	913710032179	CN/EN	0.05	80.0 x 38.5 x 31.5	48	35.0 x 25.0 x 7.6	120	5760

## Inrush current

Type	Max quantity of ballasts Per MCB Type B 16A	Inrush current $\frac{1}{2}$ Value time at typical mains Impedance
ET-E 10	90	15A/100us

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

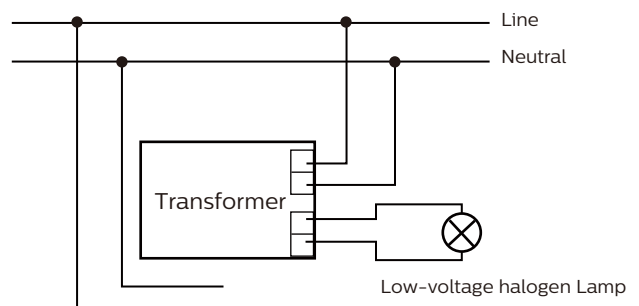
MCB type	Rating	Relative number of ballasts
B	16 A	100% (see table above)
B	10 A	63%
C	16 A	170%
C	10 A	104%
L, I	16 A	108%
L, I	10 A	65%
G, U, II	16 A	212%
G, U, II	10 A	127%
K, III	16 A	254%
K, III	10 A	154%

## 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 290V (2 hours)
Tamb	-20°C ~ +50°C
Max Tcase	65°C
The maximum distance between transformer and lamps	1.5 meter
Overheating protection	Yes

### Diagram



### Incorrect wiring remark:

- Connect lamp terminals with mains voltage is not allowed.
- Short circuit of output connections is NOT allowed.



© 2022 Signify Holding, IBRS 10461, 5600VB, NL. All rights reserved.

The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.

Date of release: September 18, 2022

[www.philips.com](http://www.philips.com)