

July 2019

Consumer LED Low Voltage range












Recommended transformer compatibility list for Low Voltage lamps

For Non-dimmable systems only

KEY

x-y	Transformer is compatible with x - y lamp
	Transformer is compatible but will not work according claimed specifications under all conditions
	Transformer is not compatible and therefore will not comply according claimed specifications.
N.A.	Transformer lamp combination not applicable/relevant
T.B.D.	Transformer lamp combination not tested

This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab conditions and might contain faults

			LEDspots					LEDcapsule						
			LED 35W MR16 WarmGlow DIM	LED 35W MR16 WarmGlow DIM	LED 35W MR16 DIM	LED 50W MR16 DIM	LED 20W MR16 non DIM	LEDClassic 20W MR16 non DIM	LEDClassic 35W MR16 non DIM	LED 20W MR11 non DIM	LED 35W MR16 non DIM	LED 10W G4 non DIM	LED 20W G4 non DIM	
														
			NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	
Transformer	Brand/type	Watt												
Transformer 50-70W	OSRAM Halotronic HTM 70 (new type)	20-70	1-2	1-2	1-2	1-2	1-3	1-3	1-2	1-3	1-2	4-11	2-7	
	Philips Certaline 60	20-60	2	1-2	1-2	1-2	1-3	1-3	1-2	1-3	1-2	2-10	2-6	
	SEET STE 70VA 7429	20-70	1-2	1-2	1-2	1-2	1-3	1-3	1-2	1-3	1-2	4-11	2-7	
	TRIDONIC SPEEDY TE-0050 C101	20-50	1	1-2	2	2	1-3			1-2	1-2			
	TCI PICO WOLF 60	10-60	1-2	2			2-3			2-3				
	Vossloh Schwabe EST 60/12.635	10-60	1-2	1-2	2	2	2-3			1-3	1-2			
	RELCO ICE60 PFS TH 60W	10-60	1-2	1	1-2	1-2	1-3	1-3	1-2	1-3	1-2	2-10	1-6	
	RELCO MINI ICE RN1650 70W	20-70	2		2	2	1-3		1	1-3	1-2		2-7	
	Varilight YT50L	0-50	1-2	1-2	1-2	1-2	1-2	1-3	1-2	1-2	1-2		1-8	3-5
	Varilight YT70L	0-70	1-2	1-2	1-2	1-2	1-3	1-3	1-2	1-3	1-2		1-11	2-5
	TRIDONIC SPEEDY TE-0070	20-70	1-2	2	2	2	1-3			2-3	2			
	Vossloh Schwabe EST 70/12.380	20-70	1-2	2	1-2	1-2	1-3	1-2	1-2	1-3	1-2		2-7	
	Radiant XE060/03	20-50		1-2	1-2	1-2	1-2	1-2		1	1-2		4-8	4-6
OSRAM ET-P 60	20-60	1					1-3	1-2	2-3					
Transformer 105W	Philips Primaline 105	35-105	1-3	2-4	1-3	1-3	2-5	2-5	1-3	2-5	1-3	6-17	4-10	
	OSRAM Halotronic HTM 105	35-105	2-3	2-4	1-3	1-3	2-5	2-5	1-3	2-5	1-3	6-17	4-10	
	Philips Certaline 105	35-105	2-3	3-4	1-3	1-3	2-5	2-5	1-3	2-5	1-3	6-17	4-10	
	Tridonic speedy TE-0105 C101	35-105	2-3	3-4	2-3	2-3	2-5		1-3	2-5	1-3			
	RELCO ICE 105 PFS TH	20-105	2-3	3-4	1-3	1-3	2-5			2-5	1-3			
	Vossloh Schwabe EST 105	20-105	1-3	2-4	1-3	1-3	2-5			2-5	2-3			
	Varilight YT105L	0-105	1-3	1-4	1-3	1-3	1-5	1-5	1-3	2-5	1-3	4-17	2-10	
	IBL lighting UK 4106.00 105W	35-105	2-3	2-4	2-3	2-3	1-5	1-5	1-3	2-5	1-3	1-17	2-10	
	TCI Pico Wolf 105	20-105	2-3	1-4	1-3	1-3	1-5	2-5	1-3	2-5	1-3	6-17	4-10	
	GIRA tronic trafo	20-105	2-3	1-4	2-3	2-3	1-5		1-3	2-5	1-3	4-17	2-10	
Transformer 150-160W	Philips Primaline 150	50-150W	2-4	2-6	2-4	2-4	3-8	3-7	2-4	3-7	2-5	9-25	5-15	
	Philips certaline 150	50-150W	2-4	3-6	2-4	2-4	3-8	3-7	2-4	3-7	2-5	9-25		
	Relco ICE 150	50-150W	3-4	3-6	3-4	3-4	3-8	3-7	2-4	3-7	2-5	9-25	5-15	
	Relco ICE 160 PFS TH	100-160W	3-5	4-6	4-5	4-5	6-8			5-7	4-5			
	TCI (DIAG) T150 (WX150)	30-150W	2-4	4-6	2-4	2-4	2-8	2-7	1-4	2-7	2-5	5-25	5-15	
	OSRAM HTM 150	50-150W	2-4	2-6	2-4	2-4	3-8	3-7	2-4	3-7	2-5	9-25		
	SEET HA-150 code 7431	50-150W	2-4	2-6	2-4	2-4	3-8	3-7	2	3-7	2-5	9-25	6-15	
	Varilight YT150	0-150W	1-4	1-6	2-4	2-4	1-8	1-7	1-4	1-7	1-5	1-25	1-15	
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	4-7	4-8	4-6	4-6	6-10			5-10	3-7			
	SEET HA 210 code 7432	50-210	2-6	4-8	3-6	3-6	3-10			3-10	2-7	9-35		
	TCI W210	50-210	3-6	4-8	3-6	3-6				3-10	3-7			
	RELCO ICE 250 PFS TH	100-250			6	6				5-10	4-7			
	VARILIGHT YT 250	0-250	3-7	1-8	1-7	1-7	1-10	1-10	1-6	1-10	1-7	5-41	1-25	
	TCI W250	50-250	4-7	4-8	2-7	2-7	3-10			3-10	3-7			

Notes

Note :

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the transformers can be loaded with more lamps than is specified in this document (most transformers can be loaded with LED lamps to 20% of specified)
- #2) This list is based on measurements in a lab environment.
- #3) Transformer manufacturers may change the technical design of the transformer without informing LED lamp suppliers. These changes can influence the performance of LED products.
- #4) Magnetic transformers are in general compatible, however some can give unwanted performance. The lamp will work but Signify can not guarantee electromagnetic compatibility performance (EMC) will be within standards

If your ET is not on the list: please consult your local Signify supplier for guidance

Disclaimer:

Signify will not accept claims for any damage caused by implementing the recommendations in this document.