September 2016

Professional 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 Philips claimed specifications under all conditions
	Transformer is not compatible and therefore will not comply to Philips 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. Philips attempted to provide best results, results are generated in lab conditions and might contain faults

			LEDspots													LEDcapsule	
			Master MR16 GU5.3 6.5-35W Dimtone	Master MR16 GU5.3 7-35W D CRI90	Master MR16 GU5.3 8-50W D	MasterValue MR16 GU5.3 3.4-20W D	Master Value MR16 GU5.3 6.3-35W D	Classic MR16 GU5.3 2-20W ND	Classic MR16 GU5.3 5-35W ND	Master AR111 GU5.3 11-50W D	Master AR111 GU5.3 15-75W D	Master AR111 GU5.3 20-100W D	Master MR11 3.5-20W ND	Corepro GU5.3 5.5-35W ND	Corepro GU5.3 8-50W ND	Corepro G4 1.2 - 10W ND	Corepro G4 2 - 20W ND
	Brand/Type	**Watt**															
Transformer 50-70 W	OSRAM Halotronic HTM 70 (new type)	20-70	1 - 2	1 - 2	1	1 - 3	1 - 2	1 - 3	1 - 2	1	1	N.A.	1 - 3	1 - 2	1	4 - 10 #1)	2 - 7
	Philips Certaline 60	20-60	2	1	1	1 - 3	1 - 2	1 - 3	1 - 2	1	N.A.	N.A.	1 - 3	1 - 2	1	2 - 6	2 - 6
	SEET STE 70VA 7429	20-70	1 - 2	1 - 2	1	1 - 3	1 - 2	1 - 3	1 - 2	1	1	N.A.	1 - 3	1 - 2	1	4 - 10 #1)	2 - 7
	TRIDONIC SPEEDY TE-0050 C101	20-50	1	1	1	1 - 3	2			1	N.A.	N.A.	1 - 2	1 - 2	1		
	TCI PICO WOLF 60	10-60	1 - 2			2 - 3				1	N.A.	N.A.	2 - 3				
	Vossloh Schwabe EST 60/12.635	10-60	1 - 2	1	1	2 - 3	2			1	N.A.	N.A.	1 - 3	1 - 2	1		
	RELCO ICE60 PFS TH 60W	10-60	1 - 2	1 - 2	1	1 - 3	1 - 2	1 - 3	1 - 2	1	N.A.	N.A.	1 - 3	1 - 2	1	2 - 10 #1)	1 - 6
	RELCO MINI ICE RN1650 70W	20-70	2	1 - 2	1	1 - 3	2		1	1	1	N.A.	1 - 3	1 - 2	1		2 - 7
	Varilight YT50L	0-50	1 - 2	1	1	1 - 2	1 - 2	1 - 3	1 - 2	1	N.A.	N.A.	1 - 2	1	1	1 - 8	3 - 5
	Varilight YT70L	0-70	1 - 2	1 - 2	1	1 - 3	1 - 2	1 - 3	1 - 2	1	1	N.A.	1 - 3	1 - 2	1	1 - 10 #1)	2 - 5
	TRIDONIC SPEEDY TE-0070	20-70	1 - 2	1 - 2	1	1 - 3	2			1		N.A.	2 - 3	2	1		
	Vossloh Schwabe EST 70/12.380	20-70	1 - 2	1 - 2	1	1 - 3	1 - 2	1 - 2	1 - 2	1	1	N.A.	1 - 3	1 - 2	1		2- 7
	WACO ET60	20-50			1	2	1		1	1	N.A.	N.A.	2		1		
	Radiant XE060/03	20-50		1	1	1 - 2	1 - 2	1 - 2		1	N.A.	N.A.	1	1 - 2	1	4 - 8	4 - 6
	OSRAM ET-P 60	20-60	1	1	1			1 - 3	1 - 2	1	N.A.	N.A.	2 - 3		1		
Transformer 105 W	Philips Primaline 105	35-105	1 - 3	1 - 3	1 - 2	2 - 5	1 - 3	2- 5	1 - 3	1 - 2	1	1	2 - 5	1 - 3	1 - 2	6 - 10 #1)	4 - 10 #1)
	OSRAM Halotronic HTM 105	35-105	2 - 3	1 - 3	1 - 2	2 - 5	1 - 3	2- 5	1 - 3	1 - 2	1	1	2 - 5	1 - 3	1 - 2	6 - 10 #1)	4 - 10 #1)
	Philips Certaline 105	35-105	2 - 3	1 - 3	1 - 2	2 - 5	1 - 3	2- 5	1 - 3	1 - 2	1	1	2 - 5	1 - 3	1 - 2	6 - 10 #1)	4 - 10 #1)
	Tridonic speedy TE-0105 C101	35-105	2 - 3	2 - 3	2	2 - 5	2 - 3			2			2 - 5	3	2		
	RELCO ICE 105 PFS TH	20-105	2 - 3	1 - 3		2 - 5	1 - 3			1 - 2	1	1	2 - 5	1 - 3			
	Vossloh Schwabe EST 105	20-105	1 - 3	1 - 3	1 - 2	2 - 5	1 - 3	1 - 5	1 - 3	1 - 2	1	1	2 - 5	2 - 3	1 - 2	4 - 10 #1)	2 - 10 #1)
	Varilight YT105L	0-105	1 - 3	1 - 3	1 - 2	1 - 5	1 - 3	1 - 5	1 - 3	1 - 2	1	1	2 - 5	1 - 3	1 - 2	1 - 10 #1)	2 - 10 #1)
	IBL lighting UK 4106.00 105W	35-105	2 - 3	1 - 3	1 - 2	2 - 5	2 - 3	2- 5	1 - 3	1 - 2	1	1	2 - 5	1 - 3	1 - 2	6 - 10 #1)	4 - 10 #1)
	TCI Pico Wolf 105	20-105	2 - 3	1 - 3	1 - 2	1 - 5	1 - 3		1 - 3	1 - 2	1	1	2 - 5	1 - 3	1 - 2	4 - 10 #1)	2 - 10 #1)
	GIRA tronic trafo	20-105	2 - 3	2 - 3	1 - 2	1 - 5	2- 3		1 - 3	1 - 2	1	1	2 - 5	1 - 3	1 - 2		2 - 10 #1)
Transformer 150-160 W	Philips Primaline 150	50-150	2 - 4	2 - 4	1 - 3	3 - 8	2 - 4	3 - 7	2 - 4	1 - 2	1 - 2	1	3 - 7	2 - 5	1 - 3	9 - 10 #1)	5- 10 #1)
	Philips certaline 150	50-150	2 - 4	2 - 4	1 - 3	3 - 8	2 - 4	3 - 7	2 - 4	1 - 2	1 - 2	1	3 - 7	2 - 5	1 - 3	9 - 10 #1)	
	Relco ICE 150	50-150	3 - 4	2 - 4	3	3 - 8	3 - 4	3 - 7	2 - 4	1 - 2	2		3 - 7	2 - 5	3	9- 10 #1)	5 - 10 #1)
	Relco ICE 160 PFS TH	100-160	3 - 5	3 - 4	3	6 - 8	4 - 5			1 - 2	2		5 - 7	4 - 5	3		
	TCI (DIAG) T150 (WX150)	30-150	2 - 4	2 - 4	2 - 3	2 - 8	2 - 4	2 - 7	1 - 4	1 - 2	1 - 2	1	2 - 7	2 - 5	2 - 3	5 - 10 #1)	5 - 10 #1)
	OSRAM HTM 150	50-150	2 - 4	2 - 4	2 - 3	3 - 8	2 - 4	3 - 7	2 - 4	1 - 2	1 - 2	1	3 - 7	2 - 5	2 - 3	9 - 10 #1)	
	SEET HA-150 code 7431	50-150	2 - 4	2 - 4	1 - 3	3 - 8	2 - 4	3 - 7	2	1 - 3	1 - 2	1	3 - 7	2 - 5	1 - 3	9 - 10 #1)	6 - 10 #1)
	Varilight YT150	0-150	1 - 4	1 - 4	1 - 3	1 - 8	2 - 4	1 - 7	1 - 4	1 - 3	1 - 2	1	1 - 7	1 - 5	1 - 3	1 - 10 #1)	1 - 10 #1)
DALI "one4all"	ABB ETR one4all 105							N.A.	N.A.				N.A.	N.A.		N.A.	N.A.
	Tridonic TE-0105 one4all							N.A.	N.A.				N.A.	N.A.		N.A.	N.A.
	OSRAM Halotronic HTI DALI 315							N.A.	N.A.				N.A.	N.A.		N.A.	N.A.
	TCI BLU 160 ("one4all" DALI)	35-160	T.B.D.	T.B.D.			T.B.D.	N.A.	N.A.	2 - 3	2		N.A.	N.A.		N.A.	N.A.
	Vossloh Schwabe ESTd 105 ("one4all" DALI)	20-105	T.B.D.	T.B.D.	1 - 2		T.B.D.	N.A.	N.A.	1 - 2	1	1	N.A.	N.A.	1 - 2	N.A.	N.A.
	TCI BLU 210 ("one4all" DALI)	50-210	T.B.D.	T.B.D.	2 - 3		T.B.D.	N.A.	N.A.		2	1 - 2	N.A.	N.A.	2 - 3	N.A.	N.A.
Transformer 210-250 W	RELCO ICE 200 PFS TH	100-200	4 - 7	3 - 5	2 - 4	6- 10 #1)	4 - 6			2 - 4	2	2	5 - 10 #1)	3 - 7	2 - 4		
	SEET HA 210 code 7432	50-210	2 - 6	2 - 6	2 - 4	3- 10 #1)	3 - 6			1 - 4	2	1 - 2	3 - 10 #1)	2 - 7	2 - 4	9 - 10 #1)	
	TCI W210	50-210	3 - 6	3 - 6	2 - 4	3- 10 #1)	3 - 6			2 - 4	2	1 - 2	3 - 10 #1)	3 - 7	2 - 4		
	RELCO ICE 250 PFS TH	100-250		3- 7			6			3 - 5			5 - 10 #1)	4 - 7			
	VARILIGHT YT 250	0-250	3- 7	1- 7	1 - 5	1- 10 #1)	1 - 7	1- 10	1- 6	1 - 5	1 - 3	1 - 2	1 - 10 #1)	1 - 7	1 - 5	5 - 10 #1)	1 - 10 #1)
	TCI W250	50-250	4- 7	3- 7	2 - 5	3- 10 #1)	2 - 7			2 - 5	2 - 3	1 - 2	3 - 10 #1)	3 - 7	2 - 5		
	Magnetic transformer	*)	*)	*)	*)	*)	*)	*)	*)				*)	*)	*)	*)	*)

#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 transfomers can be loaded with LED lamps to 20% of specified power)
#2) This list is based on measurements in a lab environment.
#3) Transfomer 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 Philips can not guarantee electromagnetic compatability performance (EMC) will be within standards

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

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

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Data subject to change.

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