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Consumer transformer compatibility list 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

				LED spot			
				LED 4.6-35W MR16 WW 60D D RF 1PF/12 9290024941	CorePro LED spot ND 2.9-20W MR16 827 36D 9290024945	CorePro LED spot ND 4.4-35W MR16 827 36D 9290024946	CorePro LED spot ND 4.4-35W MR16 840 36D 9290024947
				 Dimmable			
	Brand / type	Watt	LED Watt				
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1-4	1-5	1-3	1-3
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-4	1-5	1-3	1-3
	Philips Certaline 60	20-60	4-12	1-4	1-4	1-3	1-3
	SEET STE 70VA 7429	20-70	4-14	1-2	2-4	2-4	2-4
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	1-2		2-4	2-4
	TCI PICO WOLF 60	10-60	4-12			2-4	2-4
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1-2	4	2-4	2-4
	RELCO ICE60 PFS TH 60W	10-60	4-12	1-2	2-4	2-4	2-4
	RELCO MINI ICE RN1650 70W	20-70	4-14	1-2	2-4	2-4	2-4
	Varilight YT50L	0-50	0-10	1-4	1-3	1-3	1-3
	Varilight YT70L	0-70	0-14	1-4	1-4	1-3	1-3
	TRIDONIC SPEEDY TE-0070	20-70	4-14	2			3-4
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1-2	2-4	2-4	2-4
	Radiant XE060/03	20-50	4-10	1-2	2-4	2-4	2-4
	OSRAM ET-P 60	20-60	4-12		3-4	2-4	2-4
Transformer 105W	Philips Primaline 105	35-105	7-20	1-4	1-10	1-5	1-5
	OSRAM Halotronic HTM 105	35-105	7-20	1-4	1-5	1-5	1-5
	Philips Certaline 105	35-105	7-20	1-4	1-10	1-5	1-5
	Tridonic speedy TE-0105 C101	35-105	7-20	2-4	2-5	2-5	2-4
	RELCO ICE 105 PFS TH	20-105	4-20	1-4		2-5	2-4
	Vossloh Schwabe EST 105	20-105	4-20	1-4	2-5	2-5	2-4
	Varilight YT105L	0-105	0-20	1-4	1-5	1-5	1-4
	IBL lighting UK 4106.00 105W	35-105	7-20	1-4	2-5	2-5	2-4
	TCI Pico Wolf 105	20-105	4-20	1-4	2-5	2-5	2-4
	GIRA tronic trafo	20-105	4-20	1-4	2-5	2-5	2-4
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-4	1-5	1-3	1-3
	Philips certaline 150	50-150	10-30	2-4	1-5	1-7	1-7
	Relco ICE 150	50-150	10-30	2-6	3-8	3-8	3-4
	Relco ICE 160 PFS TH	100-160	20-32	3-6		5-8	4
	TCI (DIAG) T150 (WX150)	30-150	6-30	2-6	2-8	2-8	2-4
	OSRAM HTM 150	50-150	10-30	2-4	1-10	1-5	1-5
	SEET HA-150 code 7431	50-150	10-30	2-6	3-8	3-8	3-4
	Varilight YT150	0-150	0-30	1-6	1-8	1-8	1-4
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	4-8		5-8	4
	SEET HA 210 code 7432	50-210	10-42	2-8	3-11	3-8	3-4
	TCI W210	50-210	10-42	3-8		3-8	3-4
	RELCO ICE 250 PFS TH	100-250	20-50				4
	VARILIGHT YT 250	0-250	0-50	1-10	1-12	1-8	1-4
TCI W250	50-250	10-50	4-10	3-12	3-8	3-4	

Consumer transformer compatibility list 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

				LED spot				
				Master LEDspot Dimtone MR16 7-50W 9290020589	Master LED ExpertColor MR16 D 6.5 - 35W 9290013417 Master LED ExpertColor MR16 D 7.5 - 43W 9290013860	Master LEDspot D 8-50W MR16 9290018815	Master LEDspot DimTone MR16 5-35W 9290019047	Master LEDspot VLE D 7-50W MR16 9290019034
				 Dimmable	 Dimmable	 Dimmable	 Dimmable	
	Brand / type	Watt	LED Watt					
Transformer 50-70W	Philips Primaline 70	20-70	20-70					
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1	1	1	1-2	1
	Philips Certaline 60	20-60	4-12	1	1	1	1-2	1
	SEET STE 70VA 7429	20-70	4-14	1	1	1	1-2	1
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	1	1	1	1-2	1
	TCI PICO WOLF 60	10-60	4-12				2	
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1	1	1	1-2	1
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	1	1	1	1
	RELCO MINI ICE RN1650 70W	20-70	4-14			1		1
	Varilight YT50L	0-50	0-10	1	1	1	1-2	1
	Varilight YT70L	0-70	0-14	1	1	1	1-2	1
	TRIDONIC SPEEDY TE-0070	20-70	4-14		1	1	2	1
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1	1	1	2	1
	Radiant XE060/O3	20-50	4-10	1	1	1	1-2	1
OSRAM ET-P 60	20-60	4-12	1	1	1		1	
Transformer 105W	Philips Primaline 105	35-105	7-20	1-2	1-2	1-2	2-4	1-2
	OSRAM Halotronic HTM 105	35-105	7-20	1-2	1-2	1-2	2-4	1-2
	Philips Certaline 105	35-105	7-20	2	1-2	1-2	3-4	1-2
	Tridonic speedy TE-0105 C101	35-105	7-20	2	2	2	3-4	2
	RELCO ICE 105 PFS TH	20-105	4-20	2	2		3-4	1-2
	Vossloh Schwabe EST 105	20-105	4-20	1-2	1-2	1-2	2-4	1-2
	Varilight YT105L	0-105	0-20	1-2	1-2	1-2	1-4	1-2
	IBL lighting UK 4106.00 105W	35-105	7-20	2	2	1-2	2-4	2
	TCI Pico Wolf 105	20-105	4-20	2	1-2	1-2	1-4	
	GIRA tronic trafo	20-105	4-20	2	2	1-2	1-4	1-2
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-3	1-3	1-3	2-6	1-3
	Philips certaline 150	50-150	10-30	1-3	1-3	1-3	3-6	1-3
	Relco ICE 150	50-150	10-30	3	3	3	3-6	1-3
	Relco ICE 160 PFS TH	100-160	20-32			3	4-6	3
	TCI (DIAG) T150 (WX150)	30-150	6-30	2-3	2-3	2-3	4-6	1-3
	OSRAM HTM 150	50-150	10-30	2-3	2-3	2-3	2-6	2-3
	SEET HA-150 code 7431	50-150	10-30	1-3	1-3	1-3	2-6	1-3
	Varilight YT150	0-150	0-30	1-3	1-3	1-3	1-6	1-3
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	3-4	4	2-4	4-8	3-4
	SEET HA 210 code 7432	50-210	10-42	2-4	2-4	2-4	4-8	1-4
	TCI W210	50-210	10-42	3-4	2-4	2-4	4-8	3-4
	RELCO ICE 250 PFS TH	100-250	20-50		4-5			3-4
	VARILIGHT YT 250	0-250	0-50	1-5	1-5	1-5	1-8	1-5
	TCI W250	50-250	10-50	3-5	2-5	2-5	4-8	2-5

Consumer transformer compatibility list 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

				LED spot			
				Master LEDspot Expertcolor 11-50W AR111 40° D 9290022388	Master LEDspot Expertcolor 15-75W AR111 40° D 9290022390	Corepro LEDspot ND 3-20W MR16 9290013440	Corepro LEDspot ND 5-35W MR16 9290013443
							
	Brand / type	Watt	LED Watt				
Transformer 50-70W	Philips Primaline 70	20-70	20-70				
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1	1	1-3	1-2
	Philips Certaline 60	20-60	4-12	1	N.A.	1-3	1-2
	SEET STE 70VA 7429	20-70	4-14	1	1	1-3	1-2
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	1	N.A.		2
	TCI PICO WOLF 60	10-60	4-12	1	N.A.		
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1	N.A.	1-3	1-2
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	N.A.	1-3	1-2
	RELCO MINI ICE RN1650 70W	20-70	4-14	1	1		
	Varilight YT50L	0-50	0-10	1	N.A.	1-2	1
	Varilight YT70L	0-70	0-14	1	1	1-3	1-2
	TRIDONIC SPEEDY TE-0070	20-70	4-14	1			
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1	1	1-3	1-2
	Radiant XE060/03	20-50	4-10	1	N.A.	1-2	1
OSRAM ET-P 60	20-60	4-12	1	N.A.	1-3	1	
Transformer 105W	Philips Primaline 105	35-105	7-20	1-2	1	2-5	1-3
	OSRAM Halotronic HTM 105	35-105	7-20	1-2	1	2-5	1-3
	Philips Certaline 105	35-105	7-20	1-2	1	2-5	1-3
	Tridonic speedy TE-0105 C101	35-105	7-20	2		2-5	1-3
	RELCO ICE 105 PFS TH	20-105	4-20	1-2	1		1-3
	Vossloh Schwabe EST 105	20-105	4-20	1-2	1	1-5	1-3
	Varilight YT105L	0-105	0-20	1-2	1	1-5	1-3
	IBL lighting UK 4106.00 105W	35-105	7-20	1-2	1	2-5	1-3
	TCI Pico Wolf 105	20-105	4-20	1-2	1	2-5	1-3
	GIRA tronic trafo	20-105	4-20	1-2	1		1-3
	Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-2	1-2	3-7
Philips certaline 150		50-150	10-30	1-2	1-2	3-7	2-4
Relco ICE 150		50-150	10-30	1-2	2	3-7	2-4
Relco ICE 160 PFS TH		100-160	20-32	1-2	2		
TCI (DIAG) T150 (WX150)		30-150	6-30	1-2	1-2	2-7	1-4
OSRAM HTM 150		50-150	10-30	1-2	1-2	3-7	3-4
SEET HA-150 code 7431		50-150	10-30	1-3	1-2	4-7	2-4
Varilight YT150		0-150	0-30	1-3	1-2	1-7	1-4
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	2-4	2		
	SEET HA 210 code 7432	50-210	10-42	1-4	2		
	TCI W210	50-210	10-42	2-4	2	5-10	2-6
	RELCO ICE 250 PFS TH	100-250	20-50	3-5			
	VARILIGHT YT 250	0-250	0-50	1-5	1-3	1-10	1-7
TCI W250	50-250	10-50	2-5	2-3	3-10	2-7	

Consumer transformer compatibility list 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

				LED spot			
				Corepro LEDspot ND 7-50W MR16 GU5,3 9290019049	CorePro LED spot 2.3-20W ND 827 MR11 36°D 9290020664	MAS LED ExpertColor 6.7-35W MR16 927 60D 9290030785	CorePro LED spot 2.3-20W 827 MR11 36D 9290020664
						 Dimmable	
Brand / type	Watt	LED Watt					
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1 - 2	1 - 4	1 - 2	
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1	2 - 6	1	2 - 6
	Philips Certaline 60	20-60	4-12	1	2 - 5	1	2 - 5
	SEET STE 70VA 7429	20-70	4-14	1	2 - 6	1 - 2	2 - 6
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10			1	
	TCI PICO WOLF 60	10-60	4-12				
	Vossloh Schwabe EST 60/12.635	10-60	4-12		1 - 5	1 - 2	1 - 5
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	1 - 5	1 - 2	1 - 5
	RELCO MINI ICE RN1650 70W	20-70	4-14		2 - 6	1 - 2	2 - 6
	Varilight YT50L	0-50	0-10	1	1 - 4	N.A.	1 - 4
	Varilight YT70L	0-70	0-14	1 - 2	1 - 6	1	1 - 6
	TRIDONIC SPEEDY TE-0070	20-70	4-14			2	
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1	2 - 6	1 - 2	2 - 6
	Radiant XE060/03	20-50	4-10	1	2 - 5	1	2 - 5
OSRAM ET-P 60	20-60	4-12	1				
Transformer 105W	Philips Primaline 105	35-105	7-20	1 - 3	4 - 9	1 - 2	4 - 9
	OSRAM Halotronic HTM 105	35-105	7-20	1 - 3	4 - 9	1 - 2	4 - 9
	Philips Certaline 105	35-105	7-20	1 - 3	4 - 9	1 - 2	4 - 9
	Tridonic speedy TE-0105 C101	35-105	7-20	2		2 - 3	
	RELCO ICE 105 PFS TH	20-105	4-20			1 - 3	
	Vossloh Schwabe EST 105	20-105	4-20	1 - 2	2 - 9	1 - 3	2 - 9
	Varilight YT105L	0-105	0-20	1 - 2	1 - 9	1 - 3	1 - 9
	IBL lighting UK 4106.00 105W	35-105	7-20	1 - 2	4 - 9	1 - 3	4 - 9
	TCI Pico Wolf 105	20-105	4-20	1 - 2		1 - 3	
	GIRA tronic trafo	20-105	4-20	1 - 2	2 - 9	1 - 3	2 - 9
Transformer 150-160W	Philips Primaline 150	50-150	10-30	2 - 4	5 - 10	1 - 3	5 - 10
	Philips certaline 150	50-150	10-30	2 - 4	5 - 10	1 - 3	5 - 10
	Relco ICE 150	50-150	10-30		5 - 10	3 - 5	5 - 10
	Relco ICE 160 PFS TH	100-160	20-32			3 - 5	
	TCI (DIAG) T150 (WX150)	30-150	6-30	2 - 3	3 - 10	2 - 5	3 - 10
	OSRAM HTM 150	50-150	10-30	2 - 4	5 - 10	1 - 2	5 - 10
	SEET HA-150 code 7431	50-150	10-30		5 - 10	2 - 5	5 - 10
	Varilight YT150	0-150	0-30	1 - 3	1 - 10	1 - 5	1 - 10
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40			4 - 6	
	SEET HA 210 code 7432	50-210	10-42		5 - 10	2 - 6	5 - 10
	TCI W210	50-210	10-42		5 - 10	2 - 6	5 - 10
	RELCO ICE 250 PFS TH	100-250	20-50			4 - 8	
	VARILIGHT YT 250	0-250	0-50	1 - 5	1 - 10	1 - 8	1 - 10
	TCI W250	50-250	10-50		5 - 10	4 - 8	5 - 10

Consumer transformer compatibility list 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
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N.A.	Transformer lamp combination not applicable/relevant
T.B.D.	Transformer lamp combination not tested

				LEDcapsule				
				LED 10W G4 WW 12V ND 9290023888 LED 10W G4 WH 12V ND 9290023889	LED 20W G4 WW 12V ND 9290023890 LED 20W G4 WH 12V RF ND 9290023891	LED 28W G4 WW 12V ND 9290023892	CorePro LEDcapsule LV 2.1-20W G4 827 D 9290023894	LED 20W GY6.35 WW 12V ND 9290023897 LED 20W GY6.35 WH 12V RF ND 9290023898
							 Dimmable	
Brand / type	Watt	LED Watt						
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1 - 10	1 - 10	1 - 5	2 - 9	1 - 10
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1 - 10	1 - 10	1 - 5	3 - 8	1 - 10
	Philips Certaline 60	20-60	4-12	1 - 10	1 - 10	1 - 4	3 - 8	1 - 10
	SEET STE 70VA 7429	20-70	4-14	1 - 10	1 - 10	1 - 5	3 - 8	1 - 10
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10					
	TCI PICO WOLF 60	10-60	4-12					
	Vossloh Schwabe EST 60/12.635	10-60	4-12					
	RELCO ICE60 PFS TH 60W	10-60	4-12					
	RELCO MINI ICE RN1650 70W	20-70	4-14					
	Varilight YT50L	0-50	0-10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
	Varilight YT70L	0-70	0-14	1 - 10	1 - 10	1 - 10	3 - 8	1 - 10
	TRIDONIC SPEEDY TE-0070	20-70	4-14	1 - 10	1 - 10	1 - 10	3 - 8	1 - 10
	Vossloh Schwabe EST 70/12.380	20-70	4-14					
	Radiant XE060/03	20-50	4-10					
OSRAM ET-P 60	20-60	4-12						
Transformer 105W	Philips Primaline 105	35-105	7-20	1 - 10	1 - 10	1 - 2	2 - 9	1 - 10
	OSRAM Halotronic HTM 105	35-105	7-20	1 - 10	1 - 10	1 - 2	3 - 8	1 - 10
	Philips Certaline 105	35-105	7-20	1 - 10	1 - 8	1 - 4, 6 - 10	3 - 8	1 - 8, 10
	Tridonic speedy TE-0105 C101	35-105	7-20	1 - 10	1 - 10	1 - 5	3 - 8	1 - 10
	RELCO ICE 105 PFS TH	20-105	4-20					
	Vossloh Schwabe EST 105	20-105	4-20					
	Varilight YT105L	0-105	0-20					
	IBL lighting UK 4106.00 105W	35-105	7-20					
	TCI Pico Wolf 105	20-105	4-20					
	GIRA tronic trafo	20-105	4-20					
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1 - 10	1 - 6	1 - 4	2 - 9	1 - 6
	Philips certaline 150	50-150	10-30	1 - 10	1 - 6	1 - 4	4 - 8	1 - 6
	Relco ICE 150	50-150	10-30	1 - 10	1 - 10	1 - 5	3 - 8	1 - 10
	Relco ICE 160 PFS TH	100-160	20-32					
	TCI (DIAG) T150 (WX150)	30-150	6-30					
	OSRAM HTM 150	50-150	10-30	1 - 2	1 - 10	1 - 10	2 - 9	1 - 10
	SEET HA-150 code 7431	50-150	10-30	1 - 2	1 - 2	1 - 10	3 - 8	1 - 10
	Varilight YT150	0-150	0-30					
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40					
	SEET HA 210 code 7432	50-210	10-42					
	TCI W210	50-210	10-42					
	RELCO ICE 250 PFS TH	100-250	20-50					
	VARILIGHT YT 250	0-250	0-50					
TCI W250	50-250	10-50						




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N.A.	Transformer lamp combination not applicable/relevant
T.B.D.	Transformer lamp combination not tested

				LEDspots		
				LED 20W MR16 WW 36D ND 2SRT6 9290013440	LED 50W MR16 WW 60D D RF 1PF SRT4 9290019043	
					 	
	Brand / type	Watt	LED Watt			
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1	1	
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14			
	Philips Certaline 60	20-60	4-12	1	1	
	SEET STE 70VA 7429	20-70	4-14			
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10			
	TCI PICO WOLF 60	10-60	4-12			
	Vossloh Schwabe EST 60/12.635	10-60	4-12			
	RELCO ICE60 PFS TH 60W	10-60	4-12			
	RELCO MINI ICE RN1650 70W	20-70	4-14			
	Varilight YT50L	0-50	0-10	1-3	1-3	
	Varilight YT70L	0-70	0-14			
	TRIDONIC SPEEDY TE-0070	20-70	4-14			
	Vossloh Schwabe EST 70/12.380	20-70	4-14			
	Radiant XE060/O3	20-50	4-10			
OSRAM ET-P 60	20-60	4-12				
Transformer 105W	Philips Primaline 105	35-105	7-20			
	OSRAM Halotronic HTM 105	35-105	7-20	1-3	1-3	
	Philips Certaline 105	35-105	7-20	1-2	1-2	
	Tridonic speedy TE-0105 C101	35-105	7-20			
	RELCO ICE 105 PFS TH	20-105	4-20			
	Vossloh Schwabe EST 105	20-105	4-20			
	Varilight YT105L	0-105	0-20			
	IBL lighting UK 4106.00 105W	35-105	7-20			
	TCI Pico Wolf 105	20-105	4-20			
	GIRA tronic trafo	20-105	4-20			
Transformer 150-160W	Philips Primaline 150	50-150	10-30			
	Philips certaline 150	50-150	10-30	2-3	2-3	
	Relco ICE 150	50-150	10-30			
	Relco ICE 160 PFS TH	100-160	20-32			
	TCI (DIAG) T150 (WX150)	30-150	6-30			
	OSRAM HTM 150	50-150	10-30	1-3	1-3	
	SEET HA-150 code 7431	50-150	10-30			
	Varilight YT150	0-150	0-30			
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40			
	SEET HA 210 code 7432	50-210	10-42			
	TCI W210	50-210	10-42			
	RELCO ICE 250 PFS TH	100-250	20-50			
	VARILIGHT YT 250	0-250	0-50			
TCI W250	50-250	10-50				

Consumer dimmer transformer compatibility list LED Low Voltage range



KEY

#	Transformer - dimmer combination is compatible with # of lamp(s) and minimum dimming level is below 30% AND maximum dimming level is at least 80%.
#	Transformer - dimmer combination is compatible with # of lamp(s) and minimum dimming level is between 30% (inclusive) and 50% AND maximum level is above or equal to 70%.
	Transformer is not compatible.
	Transformer lamp combination not applicable
	Transformer lamp combination not tested

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MAS LED ExpertColor
6.7-35W MR16
9290030785

Brand	Model	Load
Busch Jaeger	6513 U-102	2 - 100W
Busch Jaeger	6523 UR-103	2 - 100W, LE 2 - 100W, TE
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA)	4 - 40W, LE 4 - 200W, TE
Merten Schneider	MEG5300-0001 (CCT99100)	4 - 20VA, LE 4 - 100VA, TE
Legrand	BTN4411N BTNT4411 BTL4411N	5 - 75VA
Legrand	752060	5 - 75VA
Gira	245000	20 - 60W LE & TE
Gira INSTA	5401 00	20 - 100W LE & TE

Transformer											
Philips						Varilight		OSRAM			Tridonic
Certaline 60	Certaline 105	Certaline 150	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
20 - 60W	35 - 105W	50 - 150W	20 - 70W	35 - 105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W
1	1	1	1	1	1		1	1	1	2	1
1	1	1		1	1		1	1	1	2	1
	1	1		1	1			1	1		
	2	2		1-2	1		1	1	1	2	1
1	1	1		1	1		1	1	1	1	1
	1-2	1	1	1-2	2-3			1-2	1-2	2	1
	2	2	1		1		1	1	1	2	1
1	1	1	1	1	1		1	1	1	1	1
1	1	1	1	1	1		1	1	1	1	1



LED 4.6 - 35W MR16
WW 60D D RF 1PF/12
9290024941

Brand	Model	Load
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4 - 40W, LE 4 - 200W, TE
Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE
Busch-Jaeger	6523 U-102, TE	2 - 100W
Busch Jaeger	6523 UR-103, TE	2 - 100W, LE 2 - 400W, TE
Legrand	BTN4411N, TE BTNT4411 BTL4411N	5 - 75VA
Legrand	752060	5 - 75VA
Gira	245000	20 - 60W LE & TE
Gira INSTA	5401 00	20 - 100W LE & TE

Transformer										
Philips				Varilight		OSRAM			Tridonic	
Certaline 105	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER	
35 - 105W	20 - 70W	35 - 105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W	
2	1	1	2		1	1	1	2	1	
1	2	2		1	1	1	1	2	1	
2			2	1	1	1	1			
1	1	1-2	1	1	1	1	1		1	
2		2	2	1	1	1	1		1	
2			2	1	1	1	1		2	
1-2	2	1-2	1	1	1	1	1	2	1	
1	1	1	1	1	1	1	1	2	1	



Master LEDspot Expertcolor
11-50W AR111
9290022388

Brand	Model	Load
Busch Jaeger	6513 U-102	2 - 100W
Gira	1176	50 - 420W
Merten (Schneider)	5771	20 - 315W
Doyle & Tratt (Varilight)	HQ3W	60-400W
Insta Group (Berker)	283010	60 - 400W
Insta Group (Berker/ Insta)	286710/51190	20 - 360W
Legrand	67081	40 - 300W
Legrand	67082	40 - 600W
Legrand (Bticino)	L4407	60 - 250W
Schneider Electric	315GLE	20 - 315W

Transformer										
Philips					Varilight		OSRAM			Tridonic
Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
20 - 60W	35 - 105W	50 - 150W	35 - 105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W
1	1-2	1-2	1-2	1-2	1	1		1-2	1-2	
					1	1		1-2		
1	1-2	1-2	1-2	1-2	1	1	1	1-2	1-2	1
					1	1		1-2	1-2	1
1	1-2	1-2	1-2	1-2	1	1		1-2	1-2	1



Master LEDspot Expertcolor
15-75W
9290022390

Brand	Model	Load
Busch Jaeger	6513 U-102	2 - 100W
Gira	1176	50 - 420W
Merten (Schneider)	5771	20 - 315W
Doyle & Tratt (Varilight)	HQ3W	60-400W
Insta Group (Berker)	283010	60 - 400W
Insta Group (Berker/ Insta)	286710/51190	20 - 360W
Legrand	67081	40 - 300W
Legrand	67082	40 - 600W
Legrand (Bticino)	L4407	60 - 250W
Schneider Electric	315GLE	20 - 315W

Transformer										
Philips					Varilight		OSRAM			Tridonic
Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
20 - 60W	35 - 105W	50 - 150W	35 - 105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W
	1	2				1	1	1	1	1
						1	1	1		1
	1	1-2	1	1-2		1	1	1	1-2	1
						1		1	2	1
			1	1-2		1	1	1	1-2	1
						1	1	1	2	1

Consumer dimmer transformer compatibility list LED Low Voltage range



KEY

#	Transformer - dimmer combination is compatible with # of lamp(s) and minimum dimming level is below 30% AND maximum dimming level is at least 80%.
#	Transformer - dimmer combination is compatible with # of lamp(s) and minimum dimming level is between 30% (inclusive) and 50% AND maximum level is above or equal to 70%.
	Transformer is not compatible.
	Transformer lamp combination not applicable
	Transformer lamp combination not tested

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**Master LEDspot
D 8-50W
9290018815**

Brand	Model	Load
Busch Jaeger	6513 U-102	2 - 100W
Gira	1176	50 - 420W
Merten (Schneider)	5771	20 - 315W
Doyle & Tratt (Varilight)	HQ3W	60-400W
Insta Group (Berker)	283010	60 - 400W
Insta Group (Berker/ Insta)	286710/51190	20 - 360W
Legrand	67081	40 - 300W
Legrand	67082	40 - 600W
Legrand	67084	40 - 300W
Legrand (Bticino)	ART5364	
Legrand (Bticino)	L4407	60 - 250W
Schneider Electric	315GLE	20 - 315W

Transformer													
Philips					Varilight		ELT	Aurora	Mino	OSRAM			Tridonic
Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	AU-60	125157	HTM 70	HTM 105	HTM 150	VIPER

	2	2	1	2	1	1	1	1	1	1	1	2	1
	2	2	1	2	1	1	1	1	1	1	1	2	1
	2	2	1	2	1	1		1	1	1	1	2	1
	2	2	1	2	1	1		1	1	1	1	2	1
	2		1	2				1	1	1	1		1
	2	2		2	1	1	1	1	1	1	1	2	
	2	2		2	1	1		1	1			2	
	1	2	2	1	2	1	1	1	1	1	1	2	1
	1	2	2	1		1	1	1	1	1	1	2	
			1		1								
	2	2			1	1		1	1	1	1	2	1



**Master LEDspot DimTone
5-35W MR16
9290019047**

Brand	Model	Load
Busch Jaeger	6513 U-102	2 - 100W
Gira	1176	50 - 420W
Merten (Schneider)	5771	20 - 315W
Doyle & Tratt (Varilight)	HQ3W	60-400W
Insta Group (Berker)	283010	60 - 400W
Insta Group (Berker/ Insta)	286710/51190	20 - 360W
Legrand	67081	40 - 300W
Legrand	67082	40 - 600W
Legrand	67084	40 - 300W
Legrand (Bticino)	L4407	60 - 250W
Schneider Electric	315GLE	20 - 315W

Transformer													
Philips					Varilight		ELT	OSRAM			Tridonic		
Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER		

1	1	1		1	1	1	1	1	1	1	1	1	1
1		1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
													1
1	1	1	1	1	1	1		1	1	1	1		
1	1	1	1	1	1	1	1	1	1	1	1	1	1
													1
													1
1		1		1	1	1			1	1			1
1	1	1	1	1	1	1			1	1			1



**Master LEDspot DimTone
7-50W MR16
9290020589**

Brand	Model	Load
Busch Jaeger	6513 U-102	2 - 100W
Gira	1176	50 - 420W
Merten (Schneider)	5771	20 - 315W
Doyle & Tratt (Varilight)	HQ3W	60-400W
Insta Group (Berker)	283010	60 - 400W
Insta Group (Berker/ Insta)	286710/51190	20 - 360W
Legrand	67081	40 - 300W
Legrand	67082	40 - 600W
Legrand	67084	40 - 300W
Legrand (Bticino)	L4407	60 - 250W
Schneider Electric	315GLE	20 - 315W

Transformer													
Philips					Varilight		ELT	OSRAM			Tridonic		
Certaline 60	Certaline 105	Certaline 150	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER	
20 - 60W	35 - 105W	50 - 150W	20 - 70W	35 - 105W	50 - 150W	0 - 50W	0 - 70W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W	

1	1	1	1	1	1	1	1	1	1	1		1	1
1	1	1	1	1		1	1	1	1	1	1		1
1	1	1	1	1	1	1	1	1	1	1	1		1
													1
1	1	1	1	1		1	1		1	1			1
1	1	1	1	1	1	1	1	1	1	1	1		1
													1
													1
	1	1							1	1			1
1	1	1	1	1	1	1	1	1	1	1	1		1



**Master LED ExpertColor
D 6.5-35W/D 7.5 - 43W MR16
9290013417/9290013860**

Brand	Model	Load
Busch Jaeger	6513 U-102	2 - 100W
Gira	1176	50 - 420W
Merten (Schneider)	5771	20 - 315W
Doyle & Tratt (Varilight)	HQ3W	60-400W
Insta Group (Berker)	283010	60 - 400W
Insta Group (Berker/ Insta)	286710/51190	20 - 360W
Legrand	67081	40 - 300W
Legrand	67082	40 - 600W
Legrand	67084	40 - 300W
Legrand (Bticino)	L4407	60 - 250W
Schneider Electric	315GLE	20 - 315W

Transformer													
Philips					Varilight		ELT	OSRAM			Tridonic		
Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 105	HTM 150	VIPER			
20 - 60W	35 - 105W	50 - 150W	35 - 105W	50 - 150W	0 - 50W	0 - 70W		35 - 105W	50 - 150W	20 - 60W			

1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1			1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1					1				1
1	1	1	1	1	1	1			1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1			1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1					1	1	1	1	1

Consumer dimmer transformer compatibility list LED Low Voltage range



KEY

#	Transformer - dimmer combination is compatible with # of lamp(s) and minimum dimming level is below 30% AND maximum dimming level is at least 80%.
#	Transformer - dimmer combination is compatible with # of lamp(s) and minimum dimming level is between 30% (inclusive) and 50% AND maximum level is above or equal to 70%.
	Transformer is not compatible.
	Transformer lamp combination not applicable
	Transformer lamp combination not tested

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**LED 50W MR16
WW 60D D RF 1PF SRT4
9290019043**

Brand	Model	Load	
Dimmer	Busch Jaeger	6513 U-102	2 - 100W
	Gira	1176	50 - 420W
	Merten (Schneider)	5771	20 - 315W
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W
	Insta Group (Berker)	283010	60 - 400W
	Insta Group (Berker/Insta)	286710/51190	20 - 360W
	Legrand	67081	40 - 300W
	Legrand	67082	40 - 600W
	Legrand	67084	40 - 300W
	Legrand (Bticino)	L4407	60 - 250W
	Schneider Electric	315GLE	20 - 315W

Transformer												
Philips						Varilight		ELT	OSRAM			Tridonic
Certaline 60	Certaline 105	Certaline 150	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER
20 - 60W	35 - 105W	50 - 150W	20 - 70W	35 - 105W	50 - 150W	0 - 50W	0 - 70W		20 - 70W	35 - 105W	50 - 150W	20 - 60W
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
												1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
												1
												1
	1	1							1	1		1
1	1	1	1	1	1	1	1	1	1	1	1	1



**CorePro LEDcapsule
LV 2.1-20W G4 827 D
9290023894**

Brand	Model	Load	
Dimmer	Busch Jaeger	6513 U-102	2 - 100W
	Gira	1176	50 - 420W
	Merten (Schneider)	5771	20 - 315W
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W
	Insta Group (Berker)	283010	60 - 400W
	Insta Group (Berker/Insta)	286710/51190	20 - 360W
	Legrand	67081	40 - 300W
	Legrand	67082	40 - 600W
	Legrand	67084	40 - 300W
	Legrand (Bticino)	L4407	60 - 250W
	Schneider Electric	315GLE	20 - 315W

Transformer												
Philips					Varilight		ELT	OSRAM			Tridonic	
Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER	
20 - 60W	35 - 105W	50 - 150W	35 - 105W	50 - 150W	0 - 50W	0 - 70W		20 - 70W	35 - 105W	50 - 150W	20 - 60W	
1		1		1	1	1	1	1	1	1	1	1
1					1	1	1	1				1
1	1	1		1	1	1	1	1	1	1	1	1
1		1			1	1		1	1			1
1	1	1		1	1	1		1	1			1
												1
				1	1	1		1	1			1
				1	1	1		1	1			1

Notes:

- Transformers and dimmers are tested with the number of LED light sources mentioned in the tables above. A number of LED light sources outside the listed range may result in less optimal behavior. Although not specifically tested, some combination of dimmers and transformers can be loaded with more light sources than specified in this document.
- Most (non-LED dedicated) dimmers and or transformers can be loaded with LED light sources up to 20% of dimmer/transformer specified maximum power. Example: Dimmer 400W -> 20% = 80W, which means that e.g. up to 16 pcs 5W LED light sources can be connected.
- LED dimmers/transformers can be loaded up to the specified maximum dimmer/transformer power (Wattage).
- Always study the packaging of LED light sources if these can be used in combination with occupancy motion sensors.
- "Dimming range" color indications and criteria (all percentages relate to the LED light source full power):
 - Green cell: minimum dimming level is below 30% AND maximum level at least 80%.
 - Yellow cell: minimum dimming level is between 30% (inclusive) and 50% AND maximum level is above or equal to 70%.
 - Red cell: not compatible.
 - Grey cell: the dimmer-transformer-LED light source combination is not applicable.
 - White cell: no data available.
- Various dimmer suppliers offer "active loads" to optimize dimming performance in case of light source-dimmer system issues. (e.g. Busch Jaeger Compensator 6596).
- This list is based on measurements performed in a lab environment at nominal mains voltage, different mains voltages may result in a different dimming range.
- Dimmer and or transformer manufacturers may change the technical design of their dimmer/transformer without informing Philips. Such changes may affect the performance when used in combination with LED light sources.
- In general Philips / Signify dimmable LED light sources can be dimmed with any type of dimmer (type R, RL, RC or RLC).
- Mixed loads may give unexpected dimming behavior or even result in defects, for which Philips cannot be held responsible.
- LED light source are dimmable across the indicated dimming range, but may exhibit minor flickering at distinct dim settings.
- The information contained here is believed to be accurate at the time it was published, but is provided "AS IS".



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