

Professional 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
Yellow	Transformer is compatible but will not work according Philips claimed specifications under all conditions
Red	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

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LED spots					
MAS LED ExpertColor 10,8-50W 9xx AR111 xD 9290030432 9290030433 9290030434 9290030435 9290030436 9290030437 	MAS LED ExpertColor 14,8-75W 9xx AR111 xxD 9290030426 9290030427 9290030428 9290030429 9290030430 9290030431 	MAS LEDspotLV D 20-100W 927 AR111 24D 9290020503 9290020504 9290020505 9290020506 9290020507 9290020508 	LED 4.6 - 35W MR16 WW 60D D RF 1PF/12 9290024941 	MAS LED spot VLE D 5.8-35W MR16 9xx - xxD 9290024925 9290024926 9290024927 9290024928 9290024929 9290024930 	MAS LEDspotLV DimTone 5.8-35W MR16 36D 9290024931 

	Brand / type	Watt	LED Watt	MAS LED ExpertColor 10,8-50W 9xx AR111 xD	MAS LED ExpertColor 14,8-75W 9xx AR111 xxD	MAS LEDspotLV D 20-100W 927 AR111 24D	LED 4.6 - 35W MR16 WW 60D D RF 1PF/12	MAS LED spot VLE D 5.8-35W MR16 9xx - xxD	MAS LEDspotLV DimTone 5.8-35W MR16 36D
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1	1	1	1-4	1-3	1-3
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1	1	1	1-4	1-3	1-3
	Philips Certaline 60	20-60	4-12	1	1	1	1-4	1-3	1-3
	SEET STE 70VA 7429	20-70	4-14	1	1	N.A.	1-2	1-2	1-2
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	1	N.A.	N.A.	1-2	1	1
	TCI PICO WOLF 60	10-60	4-12	1	N.A.	N.A.	Red	2	2
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1	N.A.	N.A.	1-2	1-2	1-2
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	N.A.	N.A.	1-2	1-2	1-2
	RELCO MINI ICE RN1650 70W	20-70	4-14	1	1	N.A.	1-2	1-2	1-2
	Varilight YT50L	0-50	0-10	1	1	1	1-4	1-3	1-2
	Varilight YT70L	0-70	0-14	1	1	1	1-4	1-3	1-3
	TRIDONIC SPEEDY TE-0070	20-70	4-14	1	1	N.A.	2	1,2	2
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1	1	N.A.	1-2	1,2	1-2
	Radiant XE060/03	20-50	4-10	1	N.A.	N.A.	1-2	1	1
OSRAM ET-P 60	20-60	4-12	Red	N.A.	N.A.	Red	Red	Red	
Transformer 105W	Philips Primaline 105	35-105	7-20	1	1	1	1-4	1-4	1-4
	OSRAM Halotronic HTM 105	35-105	7-20	1	1	1	1-4	1-4	1-4
	Philips Certaline 105	35-105	7-20	1	1	1	1-4	1-4	1-4
	Tridonic speedy TE-0105 C101	35-105	7-20	2	2	2	2-4	2-3	2-3
	RELCO ICE 105 PFS TH	20-105	4-20	1-2	1	1	1-4	1-3	1-3
	Vossloh Schwabe EST 105	20-105	4-20	1-2	1	1	1-4	1-3	1-3
	Varilight YT105L	0-105	0-20	1-2	1	1	1-4	1-3	1-3
	IBL lighting UK 4106.00 105W	35-105	7-20	1-2	1	1	1-4	1-3	1-3
	TCI Pico Wolf 105	20-105	4-20	1-2	1	1	1-4	1-3	2-3
	GIRA tronic trafo	20-105	4-20	1-2	1	1	1-4	1-3	1-3
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-2	1-2	1	1-4	1-4	1-6
	Philips certaline 150	50-150	10-30	1-2	1-2	1	2-4	2-4	1-6
	Relco ICE 150	50-150	10-30	2	2	1	2-6	2-5	2-5
	Relco ICE 160 PFS TH	100-160	20-32	2	2	2	3-6	4-5	4-5
	TCI (DIAG) T150 (WX150)	30-150	6-30	2	3	1	2-6	2-5	2-5
	OSRAM HTM 150	50-150	10-30	1-2	1-2	1	2-4	2-4	2-6
	SEET HA-150 code 7431	50-150	10-30	1-3	1-2	1	2-6	2-5	2-5
	Varilight YT150	0-150	0-30	1-3	1-2	1	1-6	1-5	1-5
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	2-4	2	2	4-8	4-6	4-6
	SEET HA 210 code 7432	50-210	10-42	1-4	2	1-2	2-8	2-6	2-6
	TCI W210	50-210	10-42	2-4	2	1-2	3-8	3-6	3-6
	RELCO ICE 250 PFS TH	100-250	20-50	4-5	2-3	2	Red	4-8	4-8
	VARILIGHT YT 250	0-250	0-50	1-5	1-3	1-2	1-10	1-8	1-8
	TCI W250	50-250	10-50	2-5	1-3	1-2	4-10	4-8	4-8

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LED spots					
MAS LED SPOT VLE D 7.5-50W MR16 9xx - xxD 9290024932 9290024933 9290024934 9290024935 9290024936 9290024937	MAS LEDspotLV D 7.5-50W 9xx MR16 xxD 9290024919 9290024920 9290024921 9290024922 9290024923 9290024924	MAS LED ExpertColor 6.7-35W MR16 9xx - xxD 9290030785, 9290030786 9290030787, 9290030788 9290030789, 9290030790 9290030791, 9290030792 9290030793, 9290030794 9290030795, 9290030796	MAS LED ExpertColor 7.5-43W MR16 9xx - xxD 9290030797 9290030798 9290030799 9290030800 9290030801 9290030802	MAS LEDspotLV 3.5-20W 827 MR11 24D 9290030870	CorePro LED spot ND 2.9-20W MR16 827 36D 9290024945

	Brand / type	Watt	LED Watt	MAS LED SPOT	MAS LEDspotLV	MAS LED ExpertColor	MAS LED ExpertColor	MAS LEDspotLV	CorePro LED spot
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1-2	1	1-2	1	1-4	1-5
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-2	1	1	1	1-4	1-5
	Philips Certaline 60	20-60	4-12	1-2	1	1	1	1-4	1-4
	SEET STE 70VA 7429	20-70	4-14	1	1	1-2	1	2-4	2-4
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	1	1	1	1	2-4	
	TCI PICO WOLF 60	10-60	4-12	2			2	2-4	
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1	1	1-2	1	2-4	4
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	1	1-2	1	2-4	2-4
	RELCO MINI ICE RN1650 70W	20-70	4-14		1	1-2	1	2-4	2-4
	Varilight YT50L	0-50	0-10	1	1	N.A.	N.A.	1-4	1-3
	Varilight YT70L	0-70	0-14	1	1	1	1	1-4	1-4
	TRIDONIC SPEEDY TE-0070	20-70	4-14	2	1	2	2	2-4	
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1-2	1	1-2	1	2-4	2-4
	Radiant XE060/03	20-50	4-10	1	1	1	1	2-4	2-4
OSRAM ET-P 60	20-60	4-12						3-4	
Transformer 105W	Philips Primaline 105	35-105	7-20	1-3	1-2	1-2	1-2	1-5	1-10
	OSRAM Halotronic HTM 105	35-105	7-20	1-3	1-2	1-2	1-2	1-5	1-5
	Philips Certaline 105	35-105	7-20	1-3	1-2	1-2	1-2	1-5	1-10
	Tridonic speedy TE-0105 C101	35-105	7-20	2	1-2	2-3	2	3-5	2-5
	RELCO ICE 105 PFS TH	20-105	4-20	1-2	1-2	1-3	1-2	2-5	
	Vossloh Schwabe EST 105	20-105	4-20	1-2	1-2	1-3	1-2	2-5	2-5
	Varilight YT105L	0-105	0-20	1-2	1-2	1-3	1-2	1-5	1-5
	IBL lighting UK 4106.00 105W	35-105	7-20	1-2	1-2	1-3	1-2	2-5	2-5
	TCI Pico Wolf 105	20-105	4-20	1-2	1-2	1-3	1-2	2-5	2-5
	GIRA tronic trafo	20-105	4-20	1-2	1-2	1-3	1-2	2-5	2-5
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-4	1-3	1-3	1-3	1-5	1-5
	Philips certaline 150	50-150	10-30	1-4	1-3	1-3	1-3	2-5	1-5
	Relco ICE 150	50-150	10-30	2-3	2-3	3-5	2-3	4-8	3-8
	Relco ICE 160 PFS TH	100-160	20-32	3	3	3-5	3	5-8	
	TCI (DIAG) T150 (WX150)	30-150	6-30	2-3	2-3	2-5	2-3	2-8	2-8
	OSRAM HTM 150	50-150	10-30	2-4	1-3	1-2	1-9		1-10
	SEET HA-150 code 7431	50-150	10-30	1-3	1-3	2-5	1-3	3-8	3-8
	Varilight YT150	0-150	0-30	1-3	1-3	1-5	1-3	1-8	1-8
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	3-5	3-5	4-6	3-5	7-11	
	SEET HA 210 code 7432	50-210	10-42	1-5	1-5	2-6	1-5	3-11	3-11
	TCI W210	50-210	10-42	3-5	2-5	2-6	2-5	5-11	
	RELCO ICE 250 PFS TH	100-250	20-50	4-6	4-6	4-8	4-6	6-14	
	VARILIGHT YT 250	0-250	0-50	1-6	1-6	1-8	1-6	1-14	1-12
	TCI W250	50-250	10-50	2-6	2-6	4-8	2-6	4-14	3-12

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			LED spots					
			CorePro LED spot ND 4.4-35W MR16 827 36D 9290024946	CorePro LED spot ND 4.4-35W MR16 840 36D 9290024947	CorePro LEDspot 7-50W 830 AR111 40D 9290029650	CorePro LEDspot 10-75W 830 AR111 40D 9290029651	CorePro LEDspot 14-100W 830 AR111 40D 9290029652	
	Brand / type	Watt	LED Watt					
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1-3	1-3	1-2	1	1
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-3	1-3	1-2	1	1
	Philips Certaline 60	20-60	4-12	1-3	1-3	1-2	1	1
	SEET STE 70VA 7429	20-70	4-14	2-4	2-4	1	1	1
	TRIDONIC SPEEDY TE-0050 CI01	20-50	4-10	2-4	2-4	1	1	N.A.
	TCI PICO WOLF 60	10-60	4-12	2-4	2-4	2	2	N.A.
	Vossloh Schwabe EST 60/12.635	10-60	4-12	2-4	2-4	Red	1	N.A.
	RELCO ICE60 PFS TH 60W	10-60	4-12	2-4	2-4	1	1	N.A.
	RELCO MINI ICE RN1650 70W	20-70	4-14	2-4	2-4	2	1	1
	Varilight YT50L	0-50	0-10	1-3	1-3	1-2	1	1
	Varilight YT70L	0-70	0-14	1-3	1-3	1-2	1	1
	TRIDONIC SPEEDY TE-0070	20-70	4-14	Red	3-4	2	1	1
	Vossloh Schwabe EST 70/12.380	20-70	4-14	2-4	2-4	1	1	1
	Radiant XE060/O3	20-50	4-10	2-4	2-4	1	1	N.A.
	OSRAM ET-P 60	20-60	4-12	2-4	2-4	Red	Red	N.A.
Transformer 105W	Philips Primaline 105	35-105	7-20	1-5	1-5	1-3	1-2	1
	OSRAM Halotronic HTM 105	35-105	7-20	1-5	1-5	1-3	1-2	1
	Philips Certaline 105	35-105	7-20	1-5	1-5	1-3	1-2	1
	Tridonic speedy TE-0105 CI01	35-105	7-20	2-5	2-4	2	2	Red
	RELCO ICE 105 PFS TH	20-105	4-20	2-5	2-4	1-2	1-2	1
	Vossloh Schwabe EST 105	20-105	4-20	2-5	2-4	1-2	1-2	1
	Varilight YT105L	0-105	0-20	1-5	1-4	1-2	1-2	1
	IBL lighting UK 4106.00 105W	35-105	7-20	2-5	2-4	1-2	1-2	1
	TCI Pico Wolf 105	20-105	4-20	2-5	2-4	1-2	1-2	1
	GIRA tronic trafo	20-105	4-20	2-5	2-4	1-2	1-2	1
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-3	1-3	1-3	1-3	1-2
	Philips certaline 150	50-150	10-30	1-7	1-7	1-3	1-3	1-2
	Relco ICE 150	50-150	10-30	3-8	3-4	3	2	2
	Relco ICE 160 PFS TH	100-160	20-32	5-8	4	3	Red	Red
	TCI (DIAG) T150 (WX150)	30-150	6-30	2-8	2-4	2-3	1-2	1-2
	OSRAM HTM 150	50-150	10-30	1-5	1-5	Red	Red	Red
	SEET HA-150 code 7431	50-150	10-30	3-8	3-4	1-3	1-3	1-2
	Varilight YT150	0-150	0-30	1-8	1-4	1-3	1-3	1-2
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	5-8	4	3-5	2-4	Red
	SEET HA 210 code 7432	50-210	10-42	3-8	3-4	2-5	1-4	2
	TCI W210	50-210	10-42	3-8	3-4	2-5	2-4	2
	RELCO ICE 250 PFS TH	100-250	20-50	Red	4	5-6	5	Red
	VARILIGHT YT 250	0-250	0-50	1-8	1-4	1-6	1-5	1-3
	TCI W250	50-250	10-50	3-8	3-4	3-6	2-5	2-3

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LED spots				
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 

	Brand / type	Watt	LED Watt	Master LEDspot Dimtone MR16 7 - 50W	Master LED ExpertColor MR16 D 6.5 - 35W / D 7.5 - 43W	Master LEDspot D 8-50W MR16	Master LEDspot DimTone MR16 5-35W	Master LEDspot VLE D 7-50W MR16
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 XE060/03	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

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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	Master LEDspot Expertcolor 11-50W	Master LEDspot Expertcolor 15-75W	Corepro LEDspot ND 3 - 20W	Corepro LEDspot ND 5 - 35W
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	2
	TCI PICO WOLF 60	10-60	4-12	1	N.A.	2	2
	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	2	2
	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	2	2	2
	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	2-5	1-3
	RELCO ICE 105 PFS TH	20-105	4-20	1-2	1	2	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	2	1-3
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-2	1-2	3-7	2-4
	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	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	2	2
	SEET HA 210 code 7432	50-210	10-42	1-4	2	2	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	2	2	2
	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

Professional 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
Yellow	Transformer is compatible but will not work according Philips claimed specifications under all conditions
Red	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

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			LED spots				
			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	MAS LEDspotLV 3.5-20W 827 MR11 24D 9290030870	
	Brand / type	Watt	LED Watt				
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1 - 2	1 - 4	1	4
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1	2 - 6	1	4
	Philips Certaline 60	20-60	4-12	1	2 - 5	1	4
	SEET STE 70VA 7429	20-70	4-14	1	2 - 6		
	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		1 - 5		
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	1 - 5		
	RELCO MINI ICE RN1650 70W	20-70	4-14		2 - 6		
	Varilight YT50L	0-50	0-10	1	1 - 4	1	4
	Varilight YT70L	0-70	0-14	1 - 2	1 - 6	1	4
	TRIDONIC SPEEDY TE-0070	20-70	4-14				
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1	2 - 6		
	Radiant XE060/03	20-50	4-10	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	2	5
	OSRAM Halotronic HTM 105	35-105	7-20	1 - 3	4 - 9	2	5
	Philips Certaline 105	35-105	7-20	1 - 3	4 - 9	2	5
	Tridonic speedy TE-0105 C101	35-105	7-20	2			
	RELCO ICE 105 PFS TH	20-105	4-20				
	Vossloh Schwabe EST 105	20-105	4-20	1 - 2	2 - 9		
	Varilight YT105L	0-105	0-20	1 - 2	1 - 9		
	IBL lighting UK 4106.00 105W	35-105	7-20	1 - 2	4 - 9		
	TCI Pico Wolf 105	20-105	4-20	1 - 2			
	GIRA tronic trafo	20-105	4-20	1 - 2	2 - 9		
Transformer 150-160W	Philips Primaline 150	50-150	10-30	2 - 4	5 - 10	4	5
	Philips certaline 150	50-150	10-30	2 - 4	5 - 10	4	5
	Relco ICE 150	50-150	10-30		5 - 10		
	Relco ICE 160 PFS TH	100-160	20-32				
	TCI (DIAG) T150 (WX150)	30-150	6-30	2 - 3	3 - 10		
	OSRAM HTM 150	50-150	10-30	2 - 4	5 - 10	4	5
	SEET HA-150 code 7431	50-150	10-30		5 - 10		
	Varilight YT150	0-150	0-30	1 - 3	1 - 10		
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40				
	SEET HA 210 code 7432	50-210	10-42		5 - 10		
	TCI W210	50-210	10-42		5 - 10		
	RELCO ICE 250 PFS TH	100-250	20-50				
	VARILIGHT YT 250	0-250	0-50	1 - 5	1 - 10		
TCI W250	50-250	10-50		5 - 10			

Professional 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
Yellow	Transformer is compatible but will not work according Philips claimed specifications under all conditions
Red	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

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			LED spots					
			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	
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						

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 LEDspotLV D 7.5-50W
9xx MR16 xxD
9290024919, 9290024920,
9290024921, 9290024922,
9290024923, 9290024924

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 - 150W	50 - 150W	20-70W	35-105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W

Dimmer	Brand	Model	Load	Transformer											
				Certaline 60	Certaline 105	Certaline 150	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
	Busch Jaeger	6513 U-102, TE	2 - 100W	1	1	1	1	2	1-3	1	1	1		2-3	1
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE	1	1	1	1	1	1	1	1	1	1	1	1
	Doyle & Tratt (Varilight)	HQ3W	60-400W	1		1-3			1-2			1	1-2		
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA)	4-40W, LE 4-200W, TE		2	2-3	1	1-2	1	1	1	1	1-2	2	1
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE	1	1	1		1	1	1	1	1	1	1	1
	Legrand	BTN441IN, LE BTNT441I BTL441IN	5 - 75VA	1	1-2	1	1	1	2-3	1	1	1	1-2	2-3	
	Legrand	752060	5 - 75VA	1	2	2		1	1	1	1	1	1	2	1
	Gira	245000, TE	20 - 60W LE & TE	1	1	1	1	1	1	1	1	1	1	1	1
	Gira INSTA	5401 00, TE	20 - 100W LE & TE	1	1	1	1	1	1-2	1	1	1	1	1	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 spot VLE D 5.8-35W MR16
9xx-xxD
9290024925, 9290024926,
9290024927, 9290024928,
9290024929, 9290024930

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

Dimmer	Brand	Model	Load	Compatibility									
				Certaline 105	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
Dimmer	Doyle & Tratt (Varilight)	HQ3W	60-400W	1	2	2	1	1	1		1		
	Schneider (Elko)	SBD200LED (CCTELI0501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4-40W, LE 4-200W, TE	1-2	2	2	1	1	1	1	1		1
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE	1-2			1	1	1	1	1		
	Busch-Jaeger	6523 U-102, TE	2 - 100W	1	2	2	1	1	1	1	1		
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE	1-2		2	1	1	1	1	1	2	1
	Legrand	BTN4411N, TE BTNT4411 BTL4411N	5 - 75VA	1-2			1	1	1	1	1		
	Legrand	752060	5 - 75VA	1		2	1	1	1	1	1	2	
	Gira	245000, TE	20 - 60W LE & TE		2	2	1	1	1	1	1	2	1
	Gira INSTA	5401 00, TE	20 - 100W LE & TE	1	2	2	1	1	1	1	1	2	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 SPOT VLE D 7.5-50W
MR16 9xx-xxD**
9290024932, 9290024933,
9290024934, 9290024935,
9290024936, 9290024937

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

Dimmer	Brand	Model	Load	Transformer									
				Certaline 105	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
Dimmer	Doyle & Tratt (Varilight)	HQ3W	60-400W	1	2	2	2	1	1		1		
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4-40W, LE 4-200W, TE	1-2	2	2	2	1	1	1	1		1
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE	1-2			2	1	1	1	1		
	Busch-Jaeger	6523 U-102, TE	2 - 100W	1	2	2	2	1	1		1		
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE	1-2		2	2	1	1	1	1	2	1
	Legrand	BTN441IN, TE BTN441I BTL441IN	5 - 75VA				2	1	1	1	1		
	Legrand	752060	5 - 75VA	1-2		2	2	1	1	1	1	2	1
	Gira	245000, TE	20 - 60W LE & TE		2	2	2	1	1	1	1	2	1
	Gira INSTA	5401 00, TE	20 - 100W LE & TE	1-2	2	2	2	1	1	1	1	2	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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%.
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	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 9xx-xxD**
9290030785, 9290030786,
9290030787, 9290030788,
9290030789, 9290030790,
9290030791, 9290030792,
9290030793, 9290030794,
9290030795, 9290030796

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

Dimmer	Brand	Model	Load	Transformer											
				Certaline 60	Certaline 105	Certaline 150	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
	Busch Jaeger	6513 U-102	2 - 100W	1	1	1	1	1	1		1	1	1	2	1
	Busch Jaeger	6523 UR-103	2-100W, LE 2-400W, TE	1	1	1	1 (update)	1	1		1	1	1	2	1
	Doyle & Tratt (Varilight)	HQ3W	60-400W		1	1		1	1			1	1		
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA)	4-40W, LE 4-200W, TE		2	2		1-2	1	1 (update)	1	1	1	2	1
	Merten Schneider	MEG5300-0001 (CCT99100)	4 - 20VA, LE 4 - 100VA, TE	1	1	1	1 (update)	1	1		1	1	1	1	1
	Legrand	BTN441N BTN441I BTL441N	5 - 75VA		1-2	1	1	1-2	2-3			1-2	1-2	2	1
	Legrand	752060	5 - 75VA		2	2	1		1		1	1	1	2	1
	Gira	245000	20 - 60W LE & TE	1	1	1	1 (update)	1	1		1	1	1	1	1
	Gira INSTA	5401 00	20 - 100W LE & TE	1	1	1	1 (update)	1	1	1 (update)	1	1	1	1	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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%.
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	Transformer is not compatible.
	Transformer lamp combination not applicable
	Transformer lamp combination not tested

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**MAS LEDspotLV DimTone 5.8-35W
MR16 36D
9290024931**

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

Dimmer	Brand	Model	Load	Transformer										
				Certaline 105	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER	
Dimmer	Doyle & Tratt (Varilight)	HQ3W	60-400W	1	1	1	1		1		1			
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4-40W, LE 4-200W, TE	2	1-2	1	2	1	1	1	1	2	1	
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE	2			2	1	1	1	1		1	
	Busch-Jaeger	6523 U-102, TE	2 - 100W	1	1	1-2	1	1	1	1	1	2	1	
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE	2	1	1	1-2	1	1	1	1	2	1	
	Legrand	BTN441IN, TE BTN441I BTL441IN	5 - 75VA				2	1	1	1	1		2	
	Legrand	752060	5 - 75VA	1	1	1-2	1	1	1	1	1	2	1	
	Gira	245000, TE	20 - 60W LE & TE											
	Gira INSTA	5401 00, TE	20 - 100W LE & TE	1	1	1	1	1	1	1	1	2		

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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

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

Dimmer	Brand	Model											
		Doyle & Tratt (Varilight)	HQ3W	60-400W	2	1	1	2		1	1	1	2
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4-40W, LE 4-200W, TE	1	2	2		1	1	1	1	2	1
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE	2			2	1	1	1	1		
	Busch-Jaeger	6523 U-102, TE	2 - 100W	1	1	1-2	1	1	1	1	1		1
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE	2		2	2	1	1	1	1		1
	Legrand	BTN441IN, TE BTN441I BTL441IN	5 - 75VA	2			2	1	1	1	1		2
	Legrand	752060	5 - 75VA	1-2	2	1-2	1	1	1	1	1	2	1
	Gira	245000, TE	20 - 60W LE & TE										
	Gira INSTA	5401 00, TE	20 - 100W LE & TE	1	1	1	1	1	1	1	1	2	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 7.5-43W
MR16 9xx-xxD**
9290030797, 9290030798,
9290030799, 9290030800,
9290030801, 9290030802

		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

Dimmer	Brand	Model													
		Busch Jaeger	6513 U-102	2 - 100W	1	1	1	1	1	1		1		1	1
	Busch Jaeger	6523 UR-103	2-100W, LE 2-400W, TE	1	1	1	1	1	1		1	1	1	1	1
	Doyle & Tratt (Varilight)	HQ3W	60-400W			1					1	1			1
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA)	4-40W, LE 4-200W, TE		2	2	1	1-2	1	1	1	1	1	1	1
	Merten Schneider	MEG5300-0001 (CCT99100)	4 - 20VA, LE 4 - 100VA, TE	1	1	1	1	1	1		1	1	1	1	1
	Legrand	BTN441IN BTNT441I BTL441IN	5 - 75VA		1-2	1-3	1	1-2	1-3		1	1	2		1
	Legrand	752060	5 - 75VA		2	2	1	1-2	1		1	1	1	1	1
	Gira	245000	20 - 60W LE & TE		1	1	1	1	1		1	1	1	1	1
	Gira INSTA	5401 00	20 - 100W LE & TE	1	1	1	1	1	1	1	1	1	1	1	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 Expertcolor
11-50W AR111
9290022388**

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

Brand	Model	
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

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
			1-2	1-2	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**

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

Brand	Model	
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

	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	1-2	1
		1-2		1		1	1	1	2	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 LEDspotLV D 20-100W 927
AR111 24D**
9290020503, 9290020504
9290020505, 9290020506
9290020507, 9290020508

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

Dimmer	Brand	Model												
		Doyle & Tratt (Varilight)	HQ3W	60-400W		1	1	1	1		1	1	1	1
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4-40W, LE 4-200W, TE		1	1	1	1		1	1	2	1	
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE		1	2		2		1	1	2	1	
	Busch-Jaeger	6523 U-102, TE	2 - 100W		1	1	1	1		1	1	1	1	
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE		1	1-2	1	1		1	1	2	1	
	Legrand	BTN4411N, TE BTN4411 BTL4411N	5 - 75VA		1	2		1		1	1	1	1	
	Legrand	752060	5 - 75VA		1	1		1		1	1	1-2	1	
	Gira	245000, TE	20 - 60W LE & TE											
	Gira INSTA	5401 00, TE	20 - 100W LE & TE		1	1-2	1	1		1	1		1	

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 10,8-50W
9xx AR111 xD
9290030432, 9290030433
9290030434, 9290030435
9290030436, 9290030437

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

Dimmer	Brand	Model												
		Doyle & Tratt (Varilight)	HQ3W	60-400W		1-2	1	1-2	1			1	1	1-2
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4-40W, LE 4-200W, TE		1-2	1-2	1-2	1		1		1	2	1-2
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE		1-2	2				1		1	2	1-2
	Busch-Jaeger	6523 U-102, TE	2 - 100W		1-2	1-2	1-2	1		1		1	2	1-2
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE		1-2	1-2	1-2			1		1	2	1-2
	Legrand	BTN4411N, TE BTNT4411 BTL4411N	5 - 75VA		2					1		1		2
	Legrand	752060	5 - 75VA		1-2	1-2	1-2	1		1		1		1-2
	Gira	245000, TE	20 - 60W LE & TE											
	Gira INSTA	5401 00, TE	20 - 100W LE & TE		1-2	1-2	1-2	1		1		1		1-2

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 14.8-75W 9xx AR111 xxD
 9290030426, 9290030427
 9290030428, 9290030429
 9290030430, 9290030431

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

Dimmer	Brand	Model												
		Doyle & Tratt (Varilight)	HQ3W	60-400W		1	1	1				1	1	1
	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA) SBD200LED (MEG5134-0000)	4-40W, LE 4-200W, TE		1	1	1	1	1	1	1	2	1	
	Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE		1	2		2	1	1	1	1	2	2
	Busch-Jaeger	6523 U-102, TE	2 - 100W		1	1	1	1	1	1	1	2	1	
	Busch Jaeger	6523 UR-103, TE	2-100W, LE 2-400W, TE		1	1-2	1	1	1			2		
	Legrand	BTN441IN, TE BTN441I BTL441IN	5 - 75VA		1			1	1	1	1	1	2	1
	Legrand	752060	5 - 75VA		1	1	1	1	1	1	1	1	1-2	1
	Gira	245000, TE	20 - 60W LE & TE											
	Gira INSTA	5401 00, TE	20 - 100W LE & TE		1	1	1	1	1	1	1	1	2	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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**

		Transformer												
		Philips					Varilight		OSRAM				Tridonic	
		Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70			HTM 70	HTM 105	HTM 150	VIPER
Dimmer	Busch Jaeger	6513 U-102	2 - 100W	2	2	1	2	1	1	1	1	1	2	1
	Gira	1176	50 - 420W	2	2	1	2	1	1	1	1	2	1	
	Merten (Schneider)	5771	20 - 315W	2	2	1	2	1	1	1	1	2	1	
	Doyle & Tratt (Varilight)	HQ3W	60-400W	2	2	1	2	1	1	1	1	2	1	
	Insta Group (Berker)	283010	60 - 400W	2	2	1	2	1	1	1	1	2	1	
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	2		1	2			1	1		1	
	Legrand	67081	40 - 300W	2	2		2	1	1	1	1	2		
	Legrand	67082	40 - 600W	2	2		2	1	1	1	1	2		
	Legrand	67084	40 - 300W	1	2	2	1	2	1	1	1	1	2	1
	Legrand (Bticino)	ART5364		1	2	2	1		1	1	1	1	2	
	Legrand (Bticino)	L4407	60 - 250W				1							
	Schneider Electric	315GLE	20 - 315W	2	2			1	1		1	1	2	1



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

		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
Dimmer	Busch Jaeger	6513 U-102	2 - 100W	1	1	1		1	1	1	1	1	1
	Gira	1176	50 - 420W	1		1	1	1	1	1	1	1	1
	Merten (Schneider)	5771	20 - 315W	1	1	1	1	1	1	1	1	1	1
	Doyle & Tratt (Varilight)	HQ3W	60-400W										1
	Insta Group (Berker)	283010	60 - 400W	1	1	1	1	1		1	1	1	
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	1	1	1	1	1	1	1	1	1	1
	Legrand	67081	40 - 300W										1
	Legrand	67082	40 - 600W										1
	Legrand	67084	40 - 300W	1		1		1	1	1	1	1	1
	Legrand (Bticino)	L4407	60 - 250W										
	Schneider Electric	315GLE	20 - 315W	1	1	1	1	1	1		1	1	1

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 Dimtone
7 - 50W MR16
9290020589**

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

Dimmer	Brand	Model	Power
	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

1	1	1	1	1	1	1	1	1	1	1		1
1	1	1	1	1		1	1	1	1	1		1
1	1	1	1	1	1	1	1	1	1	1		1
												1
1	1	1	1	1	1	1	1		1	1		1
1	1	1	1	1	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**

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

Dimmer	Brand	Model	Power
	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

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

Professional dimmer transformer compatibility list LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

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 Dimtone
7 - 50W MR16
9290020589**

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

Dimmer	Brand	Model														
		Busch Jaeger	6513 U-102	2 - 100W	1		1		1	1	1	1	1	1	1	1
	Gira	1176	50 - 420W	1					1	1						1
	Merten (Schneider)	5771	20 - 315W	1	1	1		1	1	1	1	1	1	1	1	1
	Doyle & Tratt (Varilight)	HQ3W	60-400W	1		1			1	1		1	1			
	Insta Group (Berker)	283010	60 - 400W	1		1			1	1		1	1			1
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	1	1	1		1	1	1		1	1			1
	Legrand	67081	40 - 300W													
	Legrand	67082	40 - 600W													
	Legrand	67084	40 - 300W						1	1		1	1			1
	Legrand (Bticino)	L4407	60 - 250W													
	Schneider Electric	315GLE	20 - 315W					1	1	1		1	1			1

DISCLAIMERS

- #1) 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.
- #1a) 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.
- #1b) LED dimmers/transformers can be loaded up to the specified maximum dimmer/transformer power (Wattage).
- #2) Always study the packaging of LED light sources if these can be used in combination with occupancy motion sensors.
- #3) "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.
- #4) Various dimmer suppliers offer "active loads" to optimize dimming performance in case of light source-dimmer system issues. (e.g. Busch Jaeger Compensator 6596).
- #5) 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.
- #6) 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.
- #7) In general Philips / Signify dimmable LED light sources can be dimmed with any type of dimmer (type R, RL, RC or RLC).
- #8) Mixed loads may give unexpected dimming behavior or even result in defects, for which Philips cannot be held responsible.
- #9) LED light source are dimmable across the indicated dimming range, but may exhibit minor flickering at distinct dim settings.
- #10) The information contained here is believed to be accurate at the time it was published, but is provided "AS IS".



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