

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
	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

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			LED spots					
			Master LEDspot DimTone 7-50W MR16 9290020589	Master LED ExpertColor D 6.5-35W 9290013417 D 7.5-43W 9290013860 MR16	Master LEDspot D 8-50W MR16 9290018815	Master LEDspot DimTone 5-35W MR16 9290019047	Master LEDspot VLE D 7-50W MR16 9290019034	CorePro LEDspot ND 2.3-20W MR11 9290020664
Transformer 50-70W	Brand / type	Watt						
	OSRAM Halotronic HTM 70 (new type)	20-70	1	1	1	1-2	1	2-6
	Philips Certaline 60	20-60	1	1	1	1-2	1	2-5
	SEET STE 70VA 7429	20-70	1	1	1	1-2	1	2-6
	TRIDONIC SPEEDY TE-0050 C101	20-50	1	1	1	1-2	1	
	TCI PICO WOLF 60	10-60				2		
	Vossloh Schwabe EST 60/12.635	10-60	1	1	1	1-2	1	1-5
	RELCO ICE60 PFS TH 60W	10-60	1	1	1	1	1	1-5
	RELCO MINI ICE RN1650 70W	20-70			1		1	2-6
	Varilight YT50L	0-50	1	1	1	1-2	1	1-4
	Varilight YT70L	0-70	1	1	1	1-2	1	1-6
	TRIDONIC SPEEDY TE-0070	20-70		1	1	2	1	
	Vossloh Schwabe EST 70/12.380	20-70	1	1	1	2	1	2-6
	Radiant XE060/03	20-50	1	1	1	1-2	1	2-5
	OSRAM ET-P 60	20-60	1	1	1		1	
Transformer 105W	Philips Primaline 105	35-105	1-2	1-2	1-2	2-4	1-2	4-9
	OSRAM Halotronic HTM 105	35-105	1-2	1-2	1-2	2-4	1-2	4-9
	Philips Certaline 105	35-105	2	1-2	1-2	3-4	1-2	4-9
	Tridonic speedy TE-0105 C101	35-105	2	2	2	3-4	2	
	RELCO ICE 105 PFS TH	20-105	2	2		3-4	1-2	
	Vossloh Schwabe EST 105	20-105	1-2	1-2	1-2	2-4	1-2	2-9
	Varilight YT105L	0-105	1-2	1-2	1-2	1-4	1-2	1-9
	IBL lighting UK 4106.00 105W	35-105	2	2	1-2	2-4	2	4-9
	TCI Pico Wolf 105	20-105	2	1-2	1-2	1-4		
	GIRA tronic trafo	20-105	2	2	1-2	1-4	1-2	2-9
Transformer 150-160W	Philips Primaline 150	50-150	1-3	1-3	1-3	2-6	1-3	5-10
	Philips certaline 150	50-150	1-3	1-3	1-3	3-6	1-3	5-10
	Relco ICE 150	50-150	3	3	3	3-6	1-3	5-10
	Relco ICE 160 PFS TH	100-160			3	4-6	3	
	TCI (DIAG) TI50 (WX150)	30-150	2-3	2-3	2-3	4-6	1-3	3-10
	OSRAM HTM 150	50-150	2-3	2-3	2-3	2-6	2-3	5-10
	SEET HA-150 code 7431	50-150	1-3	1-3	1-3	2-6	1-3	5-10
	Varilight YT150	0-150	1-3	1-3	1-3	1-6	1-3	1-10
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	3-4	4	2-4	4-8	3-4	
	SEET HA 210 code 7432	50-210	2-4	2-4	2-4	4-8	1-4	5-10
	TCI W210	50-210	3-4	2-4	2-4	4-8	3-4	5-10
	RELCO ICE 250 PFS TH	100-250		4-5			3-4	
	VARILIGHT YT 250	0-250	1-5	1-5	1-5	1-8	1-5	1-10
	TCI W250	50-250	3-5	2-5	2-5	4-8	2-5	5-10

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	Transformer is compatible but will not work according Philips claimed specifications under all conditions
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			LED spots					
			Master LEDspot Expertcolor 11-50W AR111 40° D 9290022388	Master LEDspot Expertcolor 15-75W AR111 40° D 9290022390	Master LEDspot Expertcolor 20-100W AR111 40° D 9290020503	Master LEDspot ND 3.5-20W MR11 9290011238	Corepro LEDspot ND 3-20W MR16 9290013440	Corepro LEDspot ND 5-35W MR16 9290013443
								
Transformer 50-70W	Brand / type	Watt	1	1	N.A.	1 - 3	1 - 3	1 - 2
	OSRAM Halotronic HTM 70 (new type)	20-70	1	N.A.	N.A.	1 - 3	1 - 3	1 - 2
	Philips Certaline 60	20-60	1	1	N.A.	1 - 3	1 - 3	1 - 2
	SEET STE 70VA 7429	20-70	1	N.A.	N.A.	1 - 2		2
	TRIDONIC SPEEDY TE-0050 CI01	20-50	1	N.A.	N.A.	2 - 3		
	TCI PICO WOLF 60	10-60	1	N.A.	N.A.	1 - 3	1 - 3	1 - 2
	Vossloh Schwabe EST 60/12.635	10-60	1	N.A.	N.A.	1 - 3	1 - 3	1 - 2
	RELCO ICE60 PFS TH 60W	10-60	1	1	N.A.	1 - 3		1 - 2
	RELCO MINI ICE RN1650 70W	20-70	1	N.A.	N.A.	1 - 2	1 - 2	1
	Varilight YT50L	0-50	1	1	N.A.	1 - 3	1 - 3	1 - 2
	Varilight YT70L	0-70	1		N.A.	2 - 3		
	TRIDONIC SPEEDY TE-0070	20-70	1	1	N.A.	1 - 3	1 - 3	1 - 2
	Vossloh Schwabe EST 70/12.380	20-70	1	N.A.	N.A.	1	1 - 2	1
	Radiant XE060/03	20-50	1	N.A.	N.A.	2 - 3	1 - 3	1
Transformer 105W	Philips Primaline 105	35-105	1 - 2	1	1	2 - 5	2 - 5	1 - 3
	OSRAM Halotronic HTM 105	35-105	1 - 2	1	1	2 - 5	2 - 5	1 - 3
	Philips Certaline 105	35-105	1 - 2	1	1	2 - 5	2 - 5	1 - 3
	Tridonic speedy TE-0105 CI01	35-105	2			2 - 5	2 - 5	1 - 3
	RELCO ICE 105 PFS TH	20-105	1 - 2	1	1	2 - 5		1 - 3
	Vossloh Schwabe EST 105	20-105	1 - 2	1	1	2 - 5	1 - 5	1 - 3
	Varilight YT105L	0-105	1 - 2	1	1	2 - 5	1 - 5	1 - 3
	IBL lighting UK 4106.00 105W	35-105	1 - 2	1	1	2 - 5	2 - 5	1 - 3
	TCI Pico Wolf 105	20-105	1 - 2	1	1	2 - 5	2 - 5	1 - 3
	GIRA tronic trafo	20-105	1 - 2	1	1	2 - 5		1 - 3
Transformer 150-160W	Philips Primaline 150	50-150	1 - 2	1 - 2	1	3 - 7	3 - 7	2 - 4
	Philips certaline 150	50-150	1 - 2	1 - 2	1	3 - 7	3 - 7	2 - 4
	Relco ICE 150	50-150	1 - 2	2		3 - 7	3 - 7	2 - 4
	Relco ICE 160 PFS TH	100-160	1 - 2	2		5 - 7		
	TCI (DIAG) TI50 (WX150)	30-150	1 - 2	1 - 2	1	2 - 7	2 - 7	1 - 4
	OSRAM HTM 150	50-150	1 - 2	1 - 2	1	3 - 7	3 - 7	3 - 4
	SEET HA-150 code 7431	50-150	1 - 3	1 - 2	1	3 - 7	4 - 7	2 - 4
	Varilight YT150	0-150	1 - 3	1 - 2	1	1 - 7	1 - 7	1 - 4
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	2 - 4	2	2	5 - 10		
	SEET HA 210 code 7432	50-210	1 - 4	2	1 - 2	3 - 10		
	TCI W210	50-210	2 - 4	2	1 - 2	3 - 10	5 - 10	2 - 6
	RELCO ICE 250 PFS TH	100-250	3 - 5			5 - 10		
	VARILIGHT YT 250	0-250	1 - 5	1 - 3	1 - 2	1 - 10	1 - 10	1 - 7
	TCI W250	50-250	2 - 5	2 - 3	1 - 2	3 - 10	3 - 10	2 - 7

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			LED spots		LED capsule			
			Corepro LEDspot ND 7-50W MR16 / GU5.3 9290019048	CorePro LEDspot ND 2.3-20W 827 MR11 36° D 9290020664	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
								
Transformer 50-70W	Brand / type	Watt						
	OSRAM Halotronic HTM 70 (new type)	20-70	1	2 - 6	1-10	1-10	1-5	3 - 8
	Philips Certaline 60	20-60	1	2 - 5	1-10	1-10	1-4	3 - 8
	SEET STE 70VA 7429	20-70	1	2 - 6	1-10	1-10	1-5	3 - 8
	TRIDONIC SPEEDY TE-0050 C101	20-50						
	TCI PICO WOLF 60	10-60						
	Vossloh Schwabe EST 60/12.635	10-60		1 - 5				
	RELCO ICE60 PFS TH 60W	10-60	1	1 - 5				
	RELCO MINI ICE RN1650 70W	20-70		2 - 6				
	Varilight YT50L	0-50	1	1 - 4	1-10	1-10	1-10	
	Varilight YT70L	0-70	1	1 - 6	1-10	1-10	1-10	3 - 8
	TRIDONIC SPEEDY TE-0070	20-70			1-10	1-10	1-10	3 - 8
	Vossloh Schwabe EST 70/12.380	20-70	1	2 - 6				
Transformer 105W	Radiant XE060/03	20-50	1	2 - 5				
	OSRAM ET-P 60	20-60	1					
	Philips Primaline 105	35-105	1 - 2	4 - 9	1-10	1-10	1-2	
	OSRAM Halotronic HTM 105	35-105	1 - 2	4 - 9	1-10	1-10	1-2	3 - 8
	Philips Certaline 105	35-105	1 - 2	4 - 9	1-10	1-8	1-4, 6-10	3 - 8
	Tridonic speedy TE-0105 C101	35-105	2		1-10	1-10	1-5	3 - 8
	RELCO ICE 105 PFS TH	20-105						
	Vossloh Schwabe EST 105	20-105	1 - 2	2 - 9				
	Varilight YT105L	0-105	1 - 2	1 - 9				
	IBL lighting UK 4106.00 105W	35-105	1 - 2	4 - 9				
Transformer 150-160W	TCI Pico Wolf 105	20-105	1 - 2					
	GIRA tronic trafo	20-105	1 - 2	2 - 9				
	Philips Primaline 150	50-150	1 - 3	5 - 10	1-10	1-6	1-4	
	Philips certaline 150	50-150	2 - 3	5 - 10	1-10	1-6	1-4	4 - 8
	Relco ICE 150	50-150		5 - 10	1-10	1-10	1-5	3 - 8
	Relco ICE 160 PFS TH	100-160						
	TCI (DIAG) TI50 (WX150)	30-150	2 - 3	3 - 10				
Transformer 210-250W	OSRAM HTM 150	50-150	1 - 3	5 - 10	1-2	1-10	1-10	
	SEET HA-150 code 7431	50-150		5 - 10	1-2	1-2	1-10	3 - 8
	Varilight YT150	0-150	1 - 3	1 - 10				
	RELCO ICE 200 PFS TH	100-200						
	SEET HA 210 code 7432	50-210		5 - 10				
Transformer 210-250W	TCI W210	50-210		5 - 10				
	RELCO ICE 250 PFS TH	100-250						
	VARILIGHT YT 250	0-250	1 - 5	1 - 10				
	TCI W250	50-250		5 - 10				

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			LED capsule						
			LED 20W GY6.35 WW 12V ND 9290023897 LED 20W GY6.35 WH 12V RF ND 9290023898	Corepro LEDcapsule 0.9 - 10W G4 ND 9290023888	Corepro LEDcapsule 1.7 - 20W G4 ND 9290023890	CorePro LEDcapsule LV1-10W G4 830 ND 9290023889	CorePro LEDcapsule LV1.8-20W G4 830 ND 9290023891	CorePro LEDcapsule LV 2.7-28W G4 827 ND 9290023892 LV 2.7-28W G4 830 ND 9290023893	CorePro LEDcapsule LV 1.8-20W GY6.35 827 ND 9290023897 LV 1.8-20W GY6.35 830 ND 9290023898
									
Transformer 50-70W	Brand / type	Watt	1-10	1-10	1-10	1-10	1-10	1-5	1-10
	OSRAM Halotronic HTM 70 (new type)	20-70	1-10	1-10	1-10	1-10	1-10	1-4	1-10
	Philips Certaline 60	20-60	1-10	1-10	1-10	1-10	1-10	1-5	1-10
	SEET STE 70VA 7429	20-70							
	TRIDONIC SPEEDY TE-0050 CI01	20-50							
	TCI PICO WOLF 60	10-60							
	Vossloh Schwabe EST 60/12.635	10-60							
	RELCO ICE60 PFS TH 60W	10-60							
	RELCO MINI ICE RN1650 70W	20-70							
	Varilight YT50L	0-50	1-10						
	Varilight YT70L	0-70	1-10	1-10	1-10	1-10	1-10	1-10	1-10
	TRIDONIC SPEEDY TE-0070	20-70	1-10	1-10	1-10	1-10	1-10	1-10	1-10
	Vossloh Schwabe EST 70/12.380	20-70							
Transformer 105W	Radiant XE060/03	20-50							
	OSRAM ET-P 60	20-60							
	Philips Primaline 105	35-105	1-10						
	OSRAM Halotronic HTM 105	35-105	1-10	1-10	1-10	1-10	1-10	1-2	1-10
	Philips Certaline 105	35-105	1-8, 10	1-10	1-8	1-10	1-8	1-4, 6-10	1-8, 10
	Tridonic speedy TE-0105 CI01	35-105	1-10	1-10	1-10	1-10	1-10	1-5	1-10
	RELCO ICE 105 PFS TH	20-105							
	Vossloh Schwabe EST 105	20-105							
	Varilight YT105L	0-105							
Transformer 150-160W	IBL lighting UK 4106.00 105W	35-105							
	TCI Pico Wolf 105	20-105							
	GIRA tronic trafo	20-105							
	Philips Primaline 150	50-150	1-6						
	Philips certaline 150	50-150	1-6	1-10	1-6	1-10	1-6	1-4	1-6
	Relco ICE 150	50-150	1-10	1-10	1-10	1-10	1-10	1-5	1-10
	Relco ICE 160 PFS TH	100-160							
	TCI (DIAG) TI50 (WX150)	30-150							
Transformer 210-250W	OSRAM HTM 150	50-150	1-10						
	SEET HA-150 code 7431	50-150	1-10	1-2	1-2	1-2	1-2	1-10	1-10
	Varilight YT150	0-150							
	RELCO ICE 200 PFS TH	100-200							
Transformer 210-250W	SEET HA 210 code 7432	50-210							
	TCI W210	50-210							
	RELCO ICE 250 PFS TH	100-250							
	VARILIGHT YT 250	0-250							
	TCI W250	50-250							

Professional dimmer transformer compatibility list

LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

KEY

x-y	Transformer is compatible with x - y lamp and dimming range is 20%-90%
	Transformer is compatible but will not work according claimed specifications under all conditions and dimming range is 30%-90%
	Transformer is not compatible and therefore will not comply according claimed specifications.
N.A.	Transformer lamp combination not applicable/relevant
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Master LEDspot Expertcolor
11-50W AR111
9290022388

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

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 - 150W		50 - 150W		35 - 105W		50 - 150W		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W
1 lamp	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	1 lamp	1 lamp	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp

35% - 98%	39% - 99%	38% - 99%	39% - 99%	38% - 99%	33% - 99%	32% - 99%	39% - 99%	37% - 99%	19% - 99%	22% - 99%		32% - 99%	33% - 99%	29% - 99%	28% - 99%	
									28% - 99%	26% - 99%		18% - 99%	19% - 99%			
45% - 99%	38% - 99%	37% - 99%	36% - 99%	35% - 99%	32% - 99%	33% - 99%	31% - 98%	29% - 99%	27% - 99%	23%-100%	23% - 99%	19% - 99%	21% - 99%	34% - 99%	33% - 99%	38% - 99%
N.A.	N.A.	N.A.	N.A.	N.A.												
N.A.	N.A.	N.A.	N.A.	N.A.					19% - 99%			9% - 99%	10% - 99%			
N.A.	N.A.	N.A.	N.A.	N.A.	29% - 99%	31% - 99%	29% - 99%	28%-100%	24% - 99%	19% - 99%		10% - 99%	9% - 99%	15% - 99%	17% - 99%	11% - 99%
N.A.	N.A.	N.A.	N.A.	N.A.												
N.A.	N.A.	N.A.	N.A.	N.A.												
38%-100%	37% - 99%	38%-100%	34%-100%	32% - 99%	28% - 99%	22% - 99%	23% - 99%	22% - 99%	17% - 99%	8% - 99%		9% - 99%	8% - 99%	18% - 99%	19% - 99%	8% - 99%



Master LEDspot Expertcolor
15-75W
9290022390

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

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 - 150W		50 - 150W		35 - 105W		50 - 150W		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W
1 lamp	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	1 lamp	1 lamp	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp

N.A.	35% - 99%	N.A.		38% - 99%		N.A.			N.A.	41% - 99%			N.A.	39% - 99%		41% - 99%
		N.A.				N.A.			N.A.	34% - 99%	29% - 99%	33% - 99%	N.A.			38%-100%
N.A.	44%-100%	N.A.	47% - 99%	43%-100%	42%-100%	N.A.	43%-100%	41%-100%	N.A.	39% - 99%	33% - 99%	29% - 99%	N.A.	42% - 99%	44%-100%	39% - 98%
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.							N.A.			
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.			N.A.	31%-100%		6%-100%	N.A.		10% - 99%	15% - 99%
N.A.	N.A.	N.A.	N.A.	N.A.	26% - 99%	N.A.	29%-100%	28% - 99%	N.A.	24%-100%	18% - 99%	11% - 99%	N.A.	6%-100%	15% - 99%	9% - 99%
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.							N.A.			
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.							N.A.			
		N.A.				N.A.							N.A.			
N.A.		N.A.	41%-100%	37% - 99%		N.A.	55% - 99%		N.A.	46% - 99%	44% - 99%	47% - 99%	N.A.		46%-100%	43%-100%

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LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

KEY

x-y	Transformer is compatible with x - y lamp and dimming range is 20%-90%
	Transformer is compatible but will not work according claimed specifications under all conditions and dimming range is 30%-90%
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Master LEDspot Expertcolor
20-100W
9290020503

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

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 - 150W		50 - 150W		35 - 105W		50 - 150W		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W
1 lamp	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	1 lamp	1 lamp	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp

N.A.	32% - 99%	N.A.		N.A.		N.A.		N.A.	N.A.	N.A.			N.A.	37% - 99%	N.A.	N.A.
		N.A.		N.A.		N.A.		N.A.	N.A.	N.A.	N.A.	32% - 99%	N.A.		N.A.	N.A.
N.A.	44%-100%	N.A.	47% - 99%	N.A.	42%-100%	N.A.	43%-100%	N.A.	N.A.	N.A.	N.A.	29% - 99%	N.A.	43% - 99%	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.		N.A.					N.A.		N.A.	
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.		N.A.	N.A.	N.A.		6% - 99%	N.A.		N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	26% - 99%	N.A.	26%-100%	N.A.	N.A.	N.A.	N.A.	13% - 99%	N.A.	5% - 99%	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.		N.A.					N.A.		N.A.	
N.A.	N.A.	N.A.	N.A.	N.A.		N.A.		N.A.					N.A.		N.A.	
		N.A.				N.A.		N.A.					N.A.		N.A.	
N.A.		N.A.	39%-100%	N.A.		N.A.	53% - 99%	N.A.	N.A.	N.A.	N.A.	43% - 99%	N.A.		N.A.	N.A.



Master LEDspot
D 8-50W
9290018815

	Brand	Model	Watt
Dimmer	Busch Jaeger	6513 U-102	40 - 420
	Gira	1176	50 - 420
	Merten (Schneider)	5771	20 - 315
	Doyle & Tratt (Varilight)	HQ3W	60 - 400
	Insta Group (Berker)	283010	60 - 400
	Insta Group (Berker/ Insta)	286710/51190	20 - 360
	Legrand	067081	40 - 300
	Legrand	067082	40 - 600
	Legrand	067084	40 - 300
	Legrand (Bticino)	ART5364	
	Legrand (Bticino)	L4407	60 - 250
	Schneider Electric	315GLE	20 - 315

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
1 lamp	2 lamps	2 lamps	1 lamp	2 lamps	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	2 lamps	1 lamp

	40%-90%	50%-90%	50%-90%	40%-90%	40%-90%	40%-90%	40%-90%			40%-90%	40%-90%	40%-90%	40%-90%
	50%-90%	50%-90%	30%-90%	50%-90%	40%-90%	40%-90%	40%-90%			30%-90%	30%-90%	40%-90%	30%-90%
	50%-90%	50%-90%	50%-90%	50%-90%	50%-90%	50%-90%				30%-90%	30%-90%	50%-90%	40%-90%
	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%				10%-90%	10%-90%	10%-90%	10%-90%
	10%-90%	10%-90%	10%-90%	10%-90%	30%-90%	30%-90%				10%-90%	10%-90%	10%-90%	10%-90%
	10%-90%		30%-90%	30%-90%						30%-90%	30%-90%		10%-90%
	20%-90%	20%-90%		10%-90%	10%-90%	10%-90%	10%-90%			10%-90%	10%-90%	10%-90%	
	10%-90%	10%-90%		10%-90%	20%-90%	20%-90%						20%-90%	
	10%-90%	10%-90%			10%-90%	10%-90%				10%-90%	10%-90%	10%-90%	10%-90%

Professional dimmer transformer compatibility list

LED Low Voltage range



Recommended Low Voltage Dimmer compatibility list - LED Lamps

KEY

x-y	Transformer is compatible with x - y lamp and dimming range is 20%-90%
	Transformer is compatible but will not work according claimed specifications under all conditions and dimming range is 30%-90%
	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

 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
			1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp
Dimmer	Brand	Model	Watt	> 40%	> 40%	> 40%		> 40%	> 40%	> 40%	> 40%		> 50%	> 40%
	Busch Jaeger	6513 U-102	40 - 420											
	Gira	1176	50 - 420											
	Merten (Schneider)	5771	20 - 315	>50%	>50%		>50%	>50%	>40%	>50%	>40%	>40%	>40%	>40%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400											
	Insta Group (Berker)	283010	60 - 400											
	Insta Group (Berker/ Insta)	286710/51190	20 - 360											
	Legrand	067081	40 - 300											
	Legrand	067082	40 - 600											
	Legrand	067084	40 - 300											
	Legrand (Bticino)	L4407	60 - 250											
	Schneider Electric	315GLE	20 - 315											

Dimmer	 Master LEDspot Dimtone 7 - 50W MR16 9290020589			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
				1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp
	Brand			Model			Watt									
	Busch Jaeger			6513 U-102			40 - 420									
	Gira			1176			50 - 420									
	Merten (Schneider)			5771			20 - 315									
	Doyle & Tratt (Varilight)			HQ3W			60 - 400									
	Insta Group (Berker)			283010			60 - 400									
	Insta Group (Berker/ Insta)			286710/51190			20 - 360									
	Legrand			067081			40 - 300									
Legrand			067082			40 - 600										
Legrand			067084			40 - 300										
Legrand (Bticino)			L4407			60 - 250										
Schneider Electric			315GLE			20 - 315										



x-y	Transformer is compatible with x - y lamp and dimming range is 20%-90%
	Transformer is compatible but will not work according claimed specifications under all conditions and dimming range is 30%-90%
	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

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 - 70W	20 - 70W		20 - 70W	35 - 105W	50 - 150W	20 - 60W
1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp
45%-90%		50%-90%		40%-90%	40%-90%	40%-90%	30%-90%	38%-100%	42%-99%	41%-99%	44%-99%
30%-90%					30%-90%	30%-90%	30%-90%				30%-90%
40%-70%	40%-70%	50%-70%		40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%
30%-90%		30%-90%			30%-90%	30%-90%		40%-70%	40%-70%		
20%-90%		20%-90%			20%-90%	20%-90%		10%-90%	10%-90%		10%-90%
50%-90%	50%-90%	50%-90%		50%-90%	50%-90%	50%-90%		20%-90%	20%-90%		10%-90%
					30%-90%	30%-90%	N.A.	20%-90%	20%-90%		30%-90%
				40%-70%	40%-70%	40%-70%	N.A.	40%-70%	40%-70%		40%-70%

DISCLAIMERS

- #1) Dimmers are tested with the number of LED light sources mentioned in the column "Dimming performance".
A number of LED light sources outside the listed range may result in less optimal behavior. |
Although not specifically tested, some dimmers can be loaded with more light sources than specified in this document.
#1a) Most (non-LED dedicated) dimmers can be loaded with LED light sources up to 20% of dimmer 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 can be loaded up to the specified maximum dimmer power (Wattage).
#2) Always study the packaging of LED light sources if these can be used in combination with occupancy/motion sensors.
#3) Glowing means: when connected to a dimmer in its off-state, a LED light source may still emit a small, yet visible amount of light.
This may e.g. occur if a low quantity of LED light sources is connected.
#4) ""Dimming range"" color indications and criteria (all percentages relate to the LED light source full power):
Green cell: minimum dimming level is below 10% and maximum level at least 80%.
Yellow cell: minimum dimming level is between 10% and 20% (inclusive) and/or maximum level is below 80%.
Red cell: minimum dimming level is above 20%.
Grey cell: the dimmer - LED light source combination is not applicable.
White cell: no data available.
#5) Various dimmer suppliers offer ""active loads"" to optimize dimming performance in case of light source-dimmer system issues. (e.g. Busch Jaeger Compensator 6596).
#6) 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.
#7) Dimmer manufacturers may change the technical design of their dimmer without informing Philips / Signify.
Such changes may affect the performance when used in combination with LED light sources.
#8) In general Philips dimmable LED light sources can be dimmed with any type of dimmer (type R, RL, RC or RLC).
#9) Mixed loads may give unexpected dimming behavior or even result in defects, for which Philips / Signify cannot be held responsible.
#10) LED light source are dimmable across the indicated dimming range, but may exhibit minor flickering at distinct dim settings.
#11) The information contained here is believed to be accurate at the time it was published, but is provided ""AS IS"".



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