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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
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 spot					
			LED 35W MR16 WW 60D D RF PF SRT4 9290024941	LED 20W MR16 WW 36D ND RF 1PF/12 9290024945 LED 20W MR16 WW 36D ND 9290013440	LED 35W MR16 WW 36D ND RF 1PF/12 9290024946	LED 35W MR16 CW 36D ND RF PF SRT4 9290024947	LED 50W GUS 3 WW 12V 36D WGD SRT4 9290020589	
			 Dimmable				 Dimmable	
Brand / type	Watt	LED Watt						
Transformer 10-70W	Philips Primaline 70	20-70	4-14	1-4	1-5	1-3	1-3	1
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-4	1-5	1-3	1-3	1
	Philips ET-S60	20-60	4-12	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
	Philips Certaline 60	20-60	4-12	1-4	1-4	1-3	1-3	1
	SEET STE 70VA 7429C	20-70	4-14	1-2	2-4	2-4	2-4	1
	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	1
	RELCO ICE60 PFS TH 60W	10-60	4-12	1-2	2-4	2-4	2-4	1
	Varilight YT50LZ	0-50	0-10	1-4	1-3	1-3	1-3	1
	Varilight YT70LZ	0-70	0-14	1-4	1-4	1-3	1-3	1
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1-2	2-4	2-4	2-4	1
	Paulmann Trafo Halo + LED 0-65W - 97767	0-65	0-65	1-8	1-7	1-6	1-6	1-5
	Govena YT60	20-70	4-14	1-4	1-6	1-4	1-4	1-2
	SLV 461060 Micro 60 PFS	20-60	4-12	1-2	1-3	1-2	1-2	1
	Osram 111593 ET PARROT 70/220-240	10-60	4-12	1-3				1-2
	TCI 119617 ROUND 70	20-70	4-14	1-3	1-2	1	1	1-2
EVN TAB 70 (3310)	20-70	4-14	1-3	1-2	1	1	1-2	
EVN MINJOKER 70(T27/10)	10-70	2-14	2-3				2	
Niko 320-00121	10-65	0-40	1-3	1	1	1	1-2	
Transformer 20-105W	Philips Primaline 105	35-105	7-20	1-4	1-10	1-5	1-5	1-2
	OSRAM Halotronic HTM 105	35-105	7-20	1-4	1-5	1-5	1-5	1-2
	Philips Certaline 105	35-105	7-20	1-4	1-10	1-5	1-5	2
	RELCO ICE 105 PFS TH	20-105	4-20	1-4		2-5	2-4	2
	Vossloh Schwabe EST 105	20-105	4-20	1-4	2-5	2-5	2-4	1-2
	Varilight YT105L	0-105	0-20	1-4	1-5	1-5	1-4	1-2
	OSRAM ET-PARROT 105	35-105	7-20	1-4	1-7	1-4	1-4	1-3
	Govena YT105	35-105	7-20	1-8	1-13	1-9	1-9	1-5
	Osram 927019 HTL 105/230-240	35-105	7-20	2-4	2-6	1-4	1-4	2-3
	TCI Pico Wolf 105	20-105	4-20	1-4	2-5	2-5	2-4	2
	GIRA tronic trafo	20-105	4-20	1-4	2-5	2-5	2-4	2
Osram HTI DALI 105/230...240 DIM	35-105	7-20	2-14	N.A.	N.A.	N.A.	3-14	
Transformer 50-150W	Philips Primaline 150	50-150	10-30	1-4	1-5	1-3	1-3	1-3
	OSRAM HTM 150	50-150	10-30	2-4	1-10	1-5	1-5	2-3
	Varilight YT150	0-150	0-30	1-6	1-8	1-8	1-4	1-3
	SLV TRANSFORMATEUR, 12V AC, 150VA,	50-150	10-30	1-6	1-10	1-6	1-6	1-4
	TCI Wolf 150, WX 150	50-150	10-30	2-6	2-10	1-6	1-6	2-4
	Jung SNT150	50-150	10-30	1-6		1-2	1-2	2-4
	RELCO RN1684 FOX 150 PFS TH	50-150	10-30	1-2	1-3	1-2	1-2	1
Transformer 50-250W	RELCO ICE 200 PFS TH	100-200	20-40	4-8		5-8	4	3-4
	Osram 927026 HTL 225/230-240	50-225	10-45	3-9	1-11	1-9	1-9	2-6

Consumer transformer compatibility list LED Low Voltage range



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For non-dimmable systems only

KEY

X-Y	Transformer is compatible with X - Y lamp
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				LED spot				
				LED 35W GU5.3 WW 12V 36D WGD SRT4 9290019047	LED 35W MR16 WW 36D ND 2SRT6 9290013443 LED 35W MR16 WW 36D ND 2SRT6 UK 9290013443	LED 50W MR16 WW 36D ND 2SRT6 UK 9290019048 LED 50W MR16 WW 36D RF ND SRT4 UK 9290019048 LED 50W MR16 CW 36D ND RF 1PF/12 9290019050 LED 50W MR16 CW 36D RF ND SRT4 9290019050	LEDClassic 20W MR11 GU4 WW ND SRT6 9290020664	LED 50W MR16 WW 60D D RF 1PF SRT4 9290019043
Brand / type	Watt	LED Watt						
Transformer 10-70W	Philips Primaline 70	20-70	4-14	1-2	1-2	1-2	1-4	1
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-2	1-2	1	2-6	1
	Philips ET-S60	20-60	4-12	T.B.D.	T.B.D.		T.B.D.	T.B.D.
	Philips Certaline 60	20-60	4-12	1-2	1-2	1	2-5	1
	SEET STE 70VA 7429C	20-70	4-14	1-2	1-2	1	2-6	1
	TCI PICO WOLF 60	10-60	4-12	2				
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1-2	1-2		1-5	1
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	1-2	1	1-5	1
	Varilight YT50LZ	0-50	0-10	1-2	1	1	1-4	1
	Varilight YT70LZ	0-70	0-14	1-2	1-2	1-2	1-6	1
	Vossloh Schwabe EST 70/12.380	20-70	4-14	2	1-2	1	2-6	1
	Paulmann Trafo Halo + LED 0-65W - 97767	0-65	0-65	1-8	1-5	1-5	1-10	1-5
	Govena YT60	20-70	4-14	1-4	1-4	1-2	1-8	1-2
	SLV 461060 Micro 60 PFS	20-60	4-12	1-2	1-2	1	1-5	1
	Osram 111593 ET PARROT 70/220-240	10-60	4-12	1-2		1	1-6	1-2
	TCI 119617 ROUND 70	20-70	4-14	1-2	1	1-2	1-2	1-2
EVN TAB 70 (3310)	20-70	4-14	2	1	1/2	1-2	1-2	
EVN MINJOKER 70(T27/10)	10-70	2-14	2		2		2	
Niko 320-00121	10-65	0-40	1/2	1	1/2	1-2	1-2	
Transformer 20-105W	Philips Primaline 105	35-105	7-20	2-4	1-3	1-3	4-9	1-2
	OSRAM Halotronic HTM 105	35-105	7-20	2-4	1-3	1-3	4-9	1-2
	Philips Certaline 105	35-105	7-20	3-4	1-3	1-3	4-9	2
	RELCO ICE 105 PFS TH	20-105	4-20	3-4	1-3			2
	Vossloh Schwabe EST 105	20-105	4-20	2-4	1-3	1-2	2-9	1-2
	Varilight YT105L	0-105	0-20	1-4	1-3	1-2	1-9	1-2
	OSRAM ET-PARROT 105	35-105	7-20	1-4		1-3	1-9	1-3
	Govena YT105	35-105	7-20	1-8	1-8	1-5	1-17	1-5
	Osram 927019 HTL 105/230-240	35-105	7-20	2-4		2-3	1-9	2-3
	TCI Pico Wolf 105	20-105	4-20	1-4	1-3	1-2		2
	GIRA tronic trafo	20-105	4-20	1-4	1-3	1-2	2-9	2
Osram HTI DALI 105/230...240 DIM	35-105	7-20	3-17	N.A.	N.A.	N.A.	3-13	
Transformer 50-150W	Philips Primaline 150	50-150	10-30	2-6	2-4	2-4	5-10	1-3
	OSRAM HTM 150	50-150	10-30	2-6	3-4	2-4	5-10	2-3
	Varilight YT150	0-150	0-30	1-6	1-4	1-3	1-10	1-3
	SLV TRANSFORMATEUR, 12V AC, 150VA,	50-150	10-30	1-6	1-6	1-4	1-12	1-4
	TCI Wolf 150, WX 150	50-150	10-30	3-6	3-6	2-4	1-12	2-3
	Jung SNT150	50-150	10-30	1-6	1	2-4	1-2	2-3
	RELCO RN1684 FOX 150 PFS TH	50-150	10-30	2	1-2	1	1-5	1
Transformer 50-250W	RELCO ICE 200 PFS TH	100-200	20-40	4-8				3-4
	Osram 927026 HTL 225/230-240	50-225	10-45	2-8		2-6	1-19	2-6

Consumer transformer compatibility list LED Low Voltage range



Recommended transformer compatibility list for Low Voltage lamps
For non-dimmable systems only

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X-Y	Transformer is compatible with X - Y lamp
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			LED spot					
			LED 10W G4 WW 12V ND 2SRT6 9290023888 LED 10W G4 WW 12V ND SRT6 9290023888 LED 10W G4 WH 12V ND SRT6 9290023889	LED 20W G4 WW 12V ND 2SRT6 UK 9290023890 LED 20W G4 WW 12V ND 2SRT6 9290023890 LED 20W G4 WW 12V ND SRT6 9290023890 LED 20W G4 WH 12V RF ND SRT6 9290023891 LED 20W GY6.35 WW 12V ND SRT6 9290023897	LED 28W G4 WW 12V ND 2SRT6 9290023892 LED 28W G4 WW 12V ND SRT6 9290023892	LED 20W G4 WW 12V Dim SRT6 9290023894	LED 40W GY6.35 WW 12V D SRT6 9290036090	
Brand / type	Watt	LED Watt						
Transformer 10-70W	Philips Primaline 70	20-70	4-14	1-10	1-7	1-5	1-6	1-3
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-10	1-7	1-5	1-6	1-3
	Philips Certaline 60	20-60	4-12		T.B.D.	T.B.D.		T.B.D.
	SEET STE 70VA 7429	20-70	4-14	1-10	1-6	1-4	1-5	1-2
	TCI PICO WOLF 60	10-60	4-12	1-10	1-7	1-5	1-6	1-2
	Vossloh Schwabe EST 60/12.635	10-60	4-12				1-5	2
	RELCO ICE60 PFS TH 60W	10-60	4-12	1			2-5	2
	Varilight YT50L	0-50	0-10	1-10	1-6	1-4	1-5	1-2
	Varilight YT70L	0-70	0-14	1-10	1-5	1-3	1-4	1-2
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1-10	1-7	1-5	1-6	1-3
	Paulmann Trafo Halo + LED 0-65W - 97767	20-60	4-12	1-10	1-7	1-5	1-6	1-3
	Govena YT60	20-70	4-14	1-16	1-10	1-8	1-19	1-9
	SLV 461060 Micro 60 PFS	20-60	4-12	1-20	1-6	1-7	1-9	1-2
	RELCO RN1684 FOX 150 PFS TH	20-70	4-14	1-12	1-6	1-4	1-5	1-2
	Osram 111593 ET PARROT 70/220-240	10-60	4-12	1-7	1-7	1-5	1-6	1-3
	TCI 119617 ROUND 70	20-70	4-14	1-5	1-4	1	1-6	1-3
EVN TAB 70 (3310)	20-70	4-14	1-4	1-3	1-3	1-6	1-3	
EVN MINJOKER 70(T27/10)	10-70	2-14				2-6	2-3	
Niko 320-00121	10-65	0-40		1-7	1-2	1-6	1-3	
Transformer 20-105W	Philips Primaline 105	35-105	7-20	1-10	1-10	1-7	2-10	1-5
	OSRAM Halotronic HTM 105	35-105	7-20	1-10	1-10	1-7	1-10	1-5
	Philips Certaline 105	35-105	7-20	1-10	1-10	1-7	2-10	1-5
	RELCO ICE 105 PFS TH	20-105	4-20	1-10	1	1-7	2-10	1-5
	Vossloh Schwabe EST 105	20-105	4-20	1-10	1-10	1-7	1-10	1-5
	Varilight YT105L	0-105	0-20	1-10	1-10	1-7	1-10	1-5
	OSRAM ET-PARROT 105	35-105	7-20	1-21	1-10	1-7	2-10	1-5
	Govena YT105	35-105	7-20	1-25	1-10	1-14	1-19	1-5
	Osram 927019 HTL 105/230-240	35-105	7-20	1-21	1-7	1-5	2-10	2-5
	TCI Pico Wolf 105	20-105	4-20	1			2-10	1-5
	GIRA tronic trafo	20-105	4-20	1-10	1-10	1-7	2-10	2-5
Osram HTI DALI 105/230...240 DIM	35-105	7-20	N.A.	N.A.	N.A.	4-25	2-15	
Transformer 50-150W	Philips Primaline 150	50-150	10-30	1-10	1-10	1-10	1-10	1-7
	OSRAM HTM 150	50-150	10-30	1-10	1-10	1-10	2-10	2-7
	Varilight YT150	0-150	0-30	1-10	1-10	1-10	1-10	1-7
	SLV TRANSFORMATEUR, 12V AC, 150VA,	50-150	10-30	1-25	1-7	1-11	1-14	1-7
	TCI Wolf 150, WX 150	50-150	10-30	1-25	1-10	1-11	6-14	2-7
	Jung SNT150	50-150	10-30		1-2	1	2-14	1-7
	RELCO RN1684 FOX 150 PFS TH	50-150	10-30	1-9	1-5	1-3	1-5	1-2
Transformer 50-250W	RELCO ICE 200 PFS TH	100-200	20-40	1-2	1		6-10	4-9
	Osram 927026 HTL 225/230-240	50-225	10-45	1-17	1-10	1-5, 9-13	3-21	2-10

Consumer transformer compatibility list LED Low Voltage range



Recommended transformer compatibility list for Low Voltage lamps
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				LED spot				
				LED 10W G4 WW 12V ND micro 9290037789	LED 20W G4 WW 12V ND micro 9290037790	LED 28W G4 WW 12V ND micro 9290037791	LED 10W G4 WW 12V ND 9290037793	LED 20W G4 WW 12V ND 9290037795
Transformer 10-70W	Brand / type	Watt	LED Watt					
	Philips Primaline 70	20-70	4-14	1 - 14	1 - 8	1 - 5	1 - 14	1 - 7
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1 - 14	1 - 8	1 - 5	1 - 14	1 - 6
	Philips ET-S60	20-60	4-12	1 - 2	1 - 2	1 - 2		1 - 2
	Philips Certaline 60	20-60	4-12	1 - 12	1 - 7	1 - 4	1 - 12	1 - 7
	SEET STE 70VA 7429C	20-70	4-14	1 - 14	1 - 8	1 - 5	1 - 14	1 - 8
	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	1 - 12	1 - 7	1 - 4	1 - 12	1 - 6
	Varilight YT50LZ	0-50	0-10	1 - 10	1 - 6	1 - 3	1 - 10	1 - 6
	Varilight YT70LZ	0-70	0-14	1 - 14	1 - 8	1 - 5	1 - 14	1 - 8
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1 - 14	1 - 8	1 - 5	1 - 14	1 - 8
	Paulmann Trafo Halo + LED 0-65W - 97767	0-65	0-65	1 - 12	1 - 7	1 - 4	1 - 12	1 - 7
	Govena YT60	20-70	4-14	1 - 12	1 - 8	1 - 4	1 - 14	1 - 7
	SLV 461060 Micro 60 PFS	20-60	4-12	1 - 12	1 - 7	1 - 4	1 - 12	1 - 7
	Osram 111593 ET PARROT 70/220-240	10-60	4-12	1 - 12	1 - 7	1 - 4	1 - 12	1 - 7
TCI 119617 ROUND 70	20-70	4-14	1 - 7	1 - 5	1 - 2	1 - 7	1 - 5	
EVN TAB 70 (3310)	20-70	4-14	1 - 8	1 - 4	1 - 2	1 - 7	1 - 4	
EVN MINJOKER 70(T27/10)	10-70	2-14						
Niko 320-00121	10-65	0-40	1 - 4	1 - 3	1 - 2	1 - 4	1 - 3	
Transformer 20-105W	Philips Primaline 105	35-105	7-20	1 - 7	1 - 4	1 - 2	1 - 7	1 - 4
	OSRAM Halotronic HTM 105	35-105	7-20	1 - 20	1	1 - 4	1 - 20	1
	Philips Certaline 105	35-105	7-20	1 - 7	1 - 12	1 - 7	1 - 7	1 - 6
	RELCO ICE 105 PFS TH	20-105	4-20	1 - 20	1 - 6	1 - 7	1 - 20	1 - 7
	Vossloh Schwabe EST 105	20-105	4-20	1 - 20	1 - 12	1 - 7	1 - 20	1 - 13
	Varilight YT105Z	0-105	0-20	1 - 20	1 - 12	1 - 7	1 - 20	1 - 13
	OSRAM ET-PARROT 105	35-105	7-20	1 - 20	1 - 12	1 - 7	1 - 20	1 - 13
	Govena YT105	35-105	7-20	1 - 20	1 - 12	1 - 7	1 - 20	1 - 13
	Osram 927019 HTL 105/230-240	35-105	7-20	1 - 20	1 - 6	1 - 7	1 - 20	1 - 6
	TCI Pico Wolf 105	20-105	4-20					
	GIRA tronic trafo	20-105	4-20					
Osram HTI DALI 105/230...240 DIM	35-105	7-20	N.A.	N.A.	1 - 4	1 - 4	1 - 4	
Transformer 50-150W	Philips Primaline 150	50-150	10-30	1 - 7	1 - 6	1-7	1 - 7	1 - 6
	OSRAM HTM 150	50-150	10-30	1 - 7	1 - 7	1-8	1 - 7	1 - 16
	Varilight YT150Z	0-150	0-30	1 - 20	1 - 17	1-11	1 - 20	1 - 17
	SLV TRANSFORMATEUR, 12V AC, 150VA,	50-150	10-30	1 - 20	1 - 17	1-11	1 - 20	1 - 17
	TCI Wolf 150, WX 150	50-150	10-30	1 - 14	1 - 17	1-11	1 - 12	1 - 17
	Jung SNT150	50-150	10-30	1 - 4	1	1	1 - 4	1 - 2
	RELCO RN1684 FOX 150 PFS TH	50-150	10-30	1 - 13	1 - 6	1-7	1 - 13	1 - 6
Transformer 50-250W	RELCO ICE 200 PFS TH	100-200	20-40					
	Osram 927026 HTL 225/230-240	50-225	10-45	1 - 20	1 - 18	1 - 17	1 - 20	1 - 18

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	Brand / type	Watt	LED Watt	
Transformer 10-70W	Philips Primaline 70	20-70	4-14	2 - 6
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1 - 6
	Philips ET-S60	20-60	4-12	
	Philips Certaline 60	20-60	4-12	1 - 5
	SEET STE 70VA 7429C	20-70	4-14	1 - 6
	TCI PICO WOLF 60	10-60	4-12	2 - 5
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1 - 5
	RELCO ICE60 PFS TH 60W	10-60	4-12	1 - 5
	Varilight YT50LZ	0-50	0-10	1 - 4
	Varilight YT70LZ	0-70	0-14	1 - 6
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1 - 6
	Paulmann Trafo Halo + LED 0-65W - 97767	0-65	0-65	1 - 5
	Govena YT60	20-60	4-12	1 - 5
	SLV 461060 Micro 60 PFS	20-60	4-12	1 - 5
	Osram 111593 ET PARROT 70/220-240	10-70	4-14	1 - 6
	TCI 119617 ROUND 70	20-70	4-14	1 - 6
EVN TAB 70 (3310)	20-70	4-14	1 - 6	
EVN MINIJOKER 70(T27/10)	10-70	2-14	2 - 6	
Niko 320-00121	10-65	0-40	1 - 6	
Transformer 20-105W	Philips Primaline 105	35-105	7-20	1 - 10
	OSRAM Halotronic HTM 105	35-105	7-20	1 - 10
	Philips Certaline 105	35-105	7-20	1 - 10
	RELCO ICE 105 PFS TH	20-105	4-20	1 - 10
	Vossloh Schwabe EST 105	20-105	4-20	1 - 10
	Varilight YT105L	0-105	0-20	1 - 10
	OSRAM ET-PARROT 105	35-105	7-20	1 - 10
	Govena YT105	35-105	7-20	1 - 10
	Osram 927019 HTL 105/230-240	35-105	7-20	2 - 10
	TCI Pico Wolf 105	20-105	4-20	2 - 10
GIRA tronic trafo	20-105	4-20	3 - 10	
Osram HTI DALI 105/230...240 DIM	35-105	7-20	4 - 10	
Transformer 50-150W	Philips Primaline 150	50-150	10-30	2 - 14
	OSRAM HTM 150	50-150	10-30	3 - 14
	Varilight YT150	0-150	0-30	1 - 14
	SLV TRANSFORMATEUR, 12V AC, 150VA,	50-150	10-30	1 - 14
	TCI Wolf 150, WX 150	50-150	10-30	5 - 14
	Jung SNT150	50-150	10-30	1 - 14
RELCO RN1684 FOX 150 PFS TH	50-150	10-30	9 - 14	
Transformer 50-250W	RELCO ICE 200 PFS TH	100-200	20-40	6 - 19
	Osram 927026 HTL 225/230-240	50-225	10-45	3 - 19

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

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



**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)	4 - 40W, LE
	SBD200LED (MEG5134-0000)	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	5 - 75VA
	BTNT4411 BTL4411N	5 - 75VA
Legrand	752060	5 - 75VA
Gira	245000, TE	20 - 60W LE & TE
Gira INSTA	5401 00, TE	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	50-150W	35-105W	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 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
35 - 105W	50 - 150W	35 - 105W	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



**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

Notes:

- #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".
- #11) The DALI ET test data is with Dynalite DDBC120-DALI controller under limited conditions. Signify reserves the rights to the final explanation.



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Data subject to change.