

The Philips logo is displayed in a bold, blue, sans-serif font.

Low Voltage / Dimmer
compatibility list
Professional Q4-2022



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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 spot				
				MAS LED ExpertColor 10.8-50W AR111 9290030432 9290030433 9290030434 9290030435 9290030436 9290030437	MAS LED ExpertColor 14.8-75W AR111 9290030426 9290030427 9290030428 9290030429 9290030430 9290030431	MAS LEDspot LV D 20-100W AR111 9290020503 9290020504 9290020505 9290020506 9290020507 9290020508	MAS LED spot VLE D 5.8-35W MR16 9290024925 9290024926 9290024927 9290024928 9290024929 9290024930	MAS LEDspot LV DimTone 5.8-35W MR16 36D 9290024931
				Dimmable	Dimmable	Dimmable	Dimmable	Dimmable
	Brand / type	Watt	LED Watt					
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1	1	1	1-3	1-3
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1	1	1	1-3	1-3
	Philips Certaline 60	20-60	4-12	1	1	1	1-3	1-3
	SEET STE 70VA 7429	20-70	4-14	1	1	N.A.	1-2	1-2
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	1	N.A.	N.A.	1	1
	TCI PICO WOLF 60	10-60	4-12	1	N.A.	N.A.	2	2
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1	N.A.	N.A.	1-2	1-2
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	N.A.	N.A.	1-2	1-2
	RELCO MINI ICE RN1650 70W	20-70	4-14	1	1	N.A.	1-2	1-2
	Varilight YT50L	0-50	0-10	1	1	1	1-3	1-2
	Varilight YT70L	0-70	0-14	1	1	1	1-3	1-3
	TRIDONIC SPEEDY TE-0070	20-70	4-14	1	1	N.A.	1,2	2
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1	1	N.A.	1,2	1-2
	Radiant XE060/O3	20-50	4-10	1	N.A.	N.A.	1	1
OSRAM ET-P 60	20-60	4-12		N.A.	N.A.			
Transformer 105W	Philips Primaline 105	35-105	7-20	1	1	1	1-4	1-4
	OSRAM Halotronic HTM 105	35-105	7-20	1	1	1	1-4	1-4
	Philips Certaline 105	35-105	7-20	1	1	1	1-4	1-4
	Tridonic speedy TE-0105 C101	35-105	7-20	2	2	2	2-3	2-3
	RELCO ICE 105 PFS TH	20-105	4-20	1-2	1	1	1-3	1-3
	Vossloh Schwabe EST 105	20-105	4-20	1-2	1	1	1-3	1-3
	Varilight YT105L	0-105	0-20	1-2	1	1	1-3	1-3
	IBL lighting UK 4106.00 105W	35-105	7-20	1-2	1	1	1-3	1-3
	TCI Pico Wolf 105	20-105	4-20	1-2	1	1	1-3	2-3
	GIRA tronic trafo	20-105	4-20	1-2	1	1	1-3	1-3
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-2	1-2	1	1-4	1-6
	Philips certaline 150	50-150	10-30	1-2	1-2	1	2-4	1-6
	Relco ICE 150	50-150	10-30	2	2	1	2-5	2-5
	Relco ICE 160 PFS TH	100-160	20-32	2	2	2	4-5	4-5
	TCI (DIAG) T150 (WX150)	30-150	6-30	2	3	1	2-5	2-5
	OSRAM HTM 150	50-150	10-30	1-2	1-2	1	2-4	2-6
	SEET HA-150 code 7431	50-150	10-30	1-3	1-2	1	2-5	2-5
	Varilight YT150	0-150	0-30	1-3	1-2	1	1-5	1-5
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	2-4	2	2	4-6	4-6
	SEET HA 210 code 7432	50-210	10-42	1-4	2	1-2	2-6	2-6
	TCI W210	50-210	10-42	2-4	2	1-2	3-6	3-6
	RELCO ICE 250 PFS TH	100-250	20-50	4-5	2-3	2	4-8	4-8
	VARILIGHT YT 250	0-250	0-50	1-5	1-3	1-2	1-8	1-8
TCI W250	50-250	10-50	2-5	1-3	1-2	4-8	4-8	

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
Y	Transformer is compatible but will not work according Philips claimed specifications under all conditions
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N.A.	Transformer lamp combination not applicable/relevant
T.B.D.	Transformer lamp combination not tested

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				LED spot					
				MAS LED SPOT VLE D 7.5-50W MR16 9290024932 9290024933 9290024934 9290024935 9290024936 9290024937	MAS LEDspotLV D 7.5-50W MR16 9290024919 9290024920 9290024921 9290024922 9290024923 9290024924	MAS LED ExpertColor 6.7-35W MR16 9290030785 9290030786 9290030787 9290030788 9290030789 9290030790 9290030791 9290030792 9290030793 9290030794 9290030795 9290030796	MAS LED ExpertColor 7.5-43W MR16 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
				 Dimmable	 Dimmable	 Dimmable	 Dimmable		
	Brand / type	Watt	LED Watt						
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	

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
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				LED spot				
				CorePro LED spot ND 4.4-35W MR16 9290024946 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	MAS LEDspot LV DimTone 7.5-50W MR16 36D 9290024938
								 Dimmable
	Brand / type	Watt	LED Watt					
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1-3	1-2	1	1	1
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-3	1-2	1	1	1
	Philips Certaline 60	20-60	4-12	1-3	1-2	1	1	1
	SEET STE 70VA 7429	20-70	4-14	2-4	1	1	1	1
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	2-4	1	1	N.A.	1
	TCI PICO WOLF 60	10-60	4-12	2-4	2	2	N.A.	
	Vossloh Schwabe EST 60/12.635	10-60	4-12	2-4		1	N.A.	1
	RELCO ICE60 PFS TH 60W	10-60	4-12	2-4	1	1	N.A.	1
	RELCO MINI ICE RN1650 70W	20-70	4-14	2-4	2	1	1	
	Varilight YT50L	0-50	0-10	1-3	1-2	1	1	1
	Varilight YT70L	0-70	0-14	1-3	1-2	1	1	1
	TRIDONIC SPEEDY TE-0070	20-70	4-14		2	1	1	
	Vossloh Schwabe EST 70/12.380	20-70	4-14	2-4	1	1	1	1
	Radiant XE060/03	20-50	4-10	2-4	1	1	N.A.	1
OSRAM ET-P 60	20-60	4-12	2-4			N.A.	1	
Transformer 105W	Philips Primaline 105	35-105	7-20	1-5	1-3	1-2	1	1-2
	OSRAM Halotronic HTM 105	35-105	7-20	1-5	1-3	1-2	1	1-2
	Philips Certaline 105	35-105	7-20	1-5	1-3	1-2	1	2
	Tridonic speedy TE-0105 C101	35-105	7-20	2-5	2	2		2
	RELCO ICE 105 PFS TH	20-105	4-20	1	1-2	1-2	1	2
	Vossloh Schwabe EST 105	20-105	4-20	1-4	1-2	1-2	1	1-2
	Varilight YT105L	0-105	0-20	1-4	1-2	1-2	1	1-2
	IBL lighting UK 4106.00 105W	35-105	7-20	1-4	1-2	1-2	1	2
	TCI Pico Wolf 105	20-105	4-20	2-5	1-2	1-2	1	2
	GIRA tronic trafo	20-105	4-20	2-5	1-2	1-2	1	2
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-5	1-3	1-3	1-2	1-3
	Philips certaline 150	50-150	10-30	1-5	1-3	1-3	1-2	1-3
	Relco ICE 150	50-150	10-30	1-5	3	2	2	3
	Relco ICE 160 PFS TH	100-160	20-32	1-3	3			
	TCI (DIAG) T150 (WX150)	30-150	6-30	2-8	2-3	1-2	1-2	2-3
	OSRAM HTM 150	50-150	10-30	1-5				2-3
	SEET HA-150 code 7431	50-150	10-30	3-4	1-3	1-3	1-2	1-3
	Varilight YT150	0-150	0-30	1-5	1-3	1-3	1-2	1-3
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	1-3	3-5	2-4		3-4
	SEET HA 210 code 7432	50-210	10-42	1-3	2-5	1-4	2	2-4
	TCI W210	50-210	10-42	1-3	2-5	2-4	2	3-4
	RELCO ICE 250 PFS TH	100-250	20-50		5-6	5		
	VARILIGHT YT 250	0-250	0-50	1-5	1-6	1-5	1-3	1-5
	TCI W250	50-250	10-50	1-5	3-6	2-5	2-3	3-5

Professional transformer compatibility list LED Low Voltage range






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				LED spot		
				MAS LEDspotLV D 20-100W AR111 9290034786 9290034787 9290034788 9290034789 9290034790 9290034791	Corepro LEDspot ND 7 - 50W MR16 GU5.3 9290019049	CorePro LED spot 2.3-20W ND 827 MR11 36D 9290020664
				 Dimmable		
	Brand / type	Watt	LED Watt			
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1	1 - 2	1 - 4
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1	1	2 - 6
	Philips Certaline 60	20-60	4-12	1	1	2 - 5
	SEET STE 70VA 7429	20-70	4-14	1	1	2 - 6
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	1		
	TCI PICO WOLF 60	10-60	4-12	1		
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1		1 - 5
	RELCO ICE60 PFS TH 60W	10-60	4-12	1	1	1 - 5
	RELCO MINI ICE RN1650 70W	20-70	4-14	1		2 - 6
	Varilight YT50L	0-50	0-10	1	1	1 - 4
	Varilight YT70L	0-70	0-14	1	1 - 2	1 - 6
	TRIDONIC SPEEDY TE-0070	20-70	4-14	1		
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1	1	2 - 6
	Radiant XE060/03	20-50	4-10	1	1	2 - 5
OSRAM ET-P 60	20-60	4-12	1	1		
Transformer 105W	Philips Primaline 105	35-105	7-20	1	1 - 3	4 - 9
	OSRAM Halotronic HTM 105	35-105	7-20	1	1 - 3	4 - 9
	Philips Certaline 105	35-105	7-20	1	1 - 3	4 - 9
	Tridonic speedy TE-0105 C101	35-105	7-20	1	2	
	RELCO ICE 105 PFS TH	20-105	4-20	1		
	Vossloh Schwabe EST 105	20-105	4-20	1	1 - 2	2 - 9
	Varilight YT105L	0-105	0-20	1	1 - 2	1 - 9
	IBL lighting UK 4106.00 105W	35-105	7-20	1	1 - 2	4 - 9
	TCI Pico Wolf 105	20-105	4-20	1	1 - 2	
	GIRA tronic trafo	20-105	4-20	1	1 - 2	2 - 9
	Transformer 150-160W	Philips Primaline 150	50-150	10-30	1	2 - 4
Philips certaline 150		50-150	10-30	1	2 - 4	5 - 10
Relco ICE 150		50-150	10-30	1		5 - 10
Relco ICE 160 PFS TH		100-160	20-32			
TCI (DIAG) T150 (WX150)		30-150	6-30	1	2 - 3	3 - 10
OSRAM HTM 150		50-150	10-30	1	2 - 4	5 - 10
SEET HA-150 code 7431		50-150	10-30	1		5 - 10
Varilight YT150		0-150	0-30	1	1 - 3	1 - 10
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	1 - 2		
	SEET HA 210 code 7432	50-210	10-42	1 - 2		5 - 10
	TCI W210	50-210	10-42	1 - 2		5 - 10
	RELCO ICE 250 PFS TH	100-250	20-50	2		
	VARILIGHT YT 250	0-250	0-50	1 - 2	1 - 5	1 - 10
	TCI W250	50-250	10-50	1 - 2		5 - 10

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				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 LEDcapsuleLV 2.7-28W G4 830 9290023893	CorePro LEDcapsule LV 2.1-20W G4 827 D 9290023894	LED 20W GY6.35 WW 12V ND 9290023897 CorePro LEDcapsule LV 1.8-20W GY6.35 830 9290023898
Brand / type	Watt	LED Watt						
Transformer 50-70W	Philips Primaline 70	20-70	20-70	1-10	1-7	1-5	1-6	1-7
	OSRAM Halotronic HTM 70 (new type)	20-70	4-14	1-10	1-7	1-5	1-6	1-7
	Philips Certaline 60	20-60	4-12	1-10	1-6	1-4	1-5	1-6
	SEET STE 70VA 7429	20-70	4-14	1-10	1-7	1-5	1-6	1-7
	TRIDONIC SPEEDY TE-0050 C101	20-50	4-10	R	R	R	1-4	R
	TCI PICO WOLF 60	10-60	4-12	R	R	R	1-5	R
	Vossloh Schwabe EST 60/12.635	10-60	4-12	1	R	R	2-5	R
	RELCO ICE60 PFS TH 60W	10-60	4-12	1-10	1-6	1-4	1-5	1-6
	RELCO MINI ICE RN1650 70W	20-70	4-14	1-10	1-7	1	2-5	1-7
	Varilight YT50L	0-50	0-10	1-10	1-5	1-3	1-4	1-5
	Varilight YT70L	0-70	0-14	1-10	1-7	1-5	1-6	1-7
	TRIDONIC SPEEDY TE-0070	20-70	4-14	R	R	R	1-6	R
	Vossloh Schwabe EST 70/12.380	20-70	4-14	1-10	1-7	1-5	1-6	1-7
	Radiant XE060/03	20-50	4-10	1-3	1-3	1-3	2-4	1-3
OSRAM ET-P 60	20-60	4-12	1-10	1-6	1-4	2-5	1-6	
Transformer 105W	Philips Primaline 105	35-105	7-20	1-10	1-10	1-7	2-10	1-10
	OSRAM Halotronic HTM 105	35-105	7-20	1-10	1-10	1-7	1-10	1-10
	Philips Certaline 105	35-105	7-20	1-10	1-10	1-7	2-10	1-10
	Tridonic speedy TE-0105 C101	35-105	7-20	R	R	R	3-10	R
	RELCO ICE 105 PFS TH	20-105	4-20	1-10	1	1-7	2-10	1
	Vossloh Schwabe EST 105	20-105	4-20	1-10	1-10	1-7	1-10	1-10
	Varilight YT105L	0-105	0-20	1-10	1-10	1-7	1-10	1-10
	IBL lighting UK 4106.00 105W	35-105	7-20	1-10	1-10	1-7	2-10	1-10
	TCI Pico Wolf 105	20-105	4-20	1	R	R	2-10	R
	GIRA tronic trafo	20-105	4-20	1-10	1-10	1-7	2-10	1-10
Transformer 150-160W	Philips Primaline 150	50-150	10-30	1-10	1-10	1-10	1-10	1-10
	Philips certaline 150	50-150	10-30	1-10	1-10	1-10	2-10	1-10
	Relco ICE 150	50-150	10-30	1-10	1-10	1-5	4-10	1-10
	Relco ICE 160 PFS TH	100-160	20-32	1-2	R	1	6-10	R
	TCI (DIAG) T150 (WX150)	30-150	6-30	1-10	1-10	1-10	5-10	1-10
	OSRAM HTM 150	50-150	10-30	1-10	1-10	1-10	2-10	1-10
	SEET HA-150 code 7431	50-150	10-30	1-10	1-10	R	2-10	1-10
	Varilight YT150	0-150	0-30	1-10	1-10	1-10	1-10	1-10
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	20-40	1-2	1	R	6-10	1
	SEET HA 210 code 7432	50-210	10-42	1-10	1-10	1	3-10	1-10
	TCI W210	50-210	10-42	1-10	1-10	1-10	4-10	1-10
	RELCO ICE 250 PFS TH	100-250	20-50	1	1	R	9-10	1
	VARILIGHT YT 250	0-250	0-50	1-10	1-10	1-10	1-10	1-10
TCI W250	50-250	10-50	1-10	1-10	1-10	6-10	1-10	

Professional 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 LEDspotLV D 7.5-50W MR16
9290024919, 9290024920,
9290024921, 9290024922,
9290024923, 9290024924

Brand	Model	Load	
Dimmer	Busch Jaeger	6513 U-102, TE	2 - 100W
	Busch Jaeger	6523 UR-103, TE	2 - 100W, LE 2 - 400W, 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), TE	4 - 20VA, LE 4 - 100VA, TE
	Legrand	BTN4411N, LE 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 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	2	1-3	1	1	1	1	2-3	1
1	1	1	1	1	1	1	1	1	1	1	1
1	1-3	1-3	1-2	1-2	1-2	1	1	1	1-2	1	1
1	2	2-3	1	1-2	1	1	1	1	1-2	2	1
1	1	1	1	1	1	1	1	1	1	1	1
1	1-2	1	1	1	2-3	1	1	1	1-2	2-3	1
1	2	2	1	1	1	1	1	1	1	2	1
1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1-2	1	1	1	1	1	1



MAS LED spot VLE D 5.8-35W MR16
9290024925, 9290024926,
9290024927, 9290024928,
9290024929, 9290024930

Brand	Model	Load	
Dimmer	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, 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	35 - 105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W
2	2	2	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1



MAS LED SPOT VLE D 7.5-50W MR16
9290024932, 9290024933,
9290024934, 9290024935,
9290024936, 9290024937

Brand	Model	Load	
Dimmer	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, 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	35 - 105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1



MAS LED ExpertColor 6.7-35W MR16
9290030785, 9290030786, 9290030787,
9290030788, 9290030789, 9290030790,
9290030791, 9290030792, 9290030793,
9290030794, 9290030795, 9290030796

Brand	Model	Load	
Dimmer	Busch Jaeger	6513 U-102	2 - 100W
	Busch Jaeger	6523 UR-103	2 - 100W, LE 2 - 400W, 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), TE	4 - 20VA, LE 4 - 100VA, TE
	Legrand	BTN4411N, LE 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	1	2	1
1	1	1	1	1	1	1	1	1	1	2	1
1	1	1	1	1	1	1	1	1	1	1	1
1	2	2	1-2	1	1	1	1	1	1	2	1
1	1	1	1	1	1	1	1	1	1	1	1
1	1-2	1	1	1-2	2-3	1	1	1-2	1-2	2	1
1	2	2	1	1	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	1	1

Professional 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 LEDspotLV DimTone 5.8-35W MR16 36D 9290024931

Brand	Model	Load
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (SS20512: 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, 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	35 - 105W	50 - 150W	0 - 50W	0 - 70W	20 - 70W	35 - 105W	50 - 150W	20 - 60W		
1	1	1	1		1		1				
2	1-2	1	2	1	1	1	1	2		1	
2			2	1	1	1	1			1	
1	1	1-2	1	1	1	1	1	2		1	
2	1	1	1-2	1	1	1	1	2		1	
			2	1	1	1	1			2	
1	1	1-2	1	1	1	1	1	2		1	
1	1	1	1	1	1	1	1	2			



MAS LED ExpertColor 7.5-43W MR16 9290030797, 9290030798, 9290030799, 9290030800, 9290030801, 9290030802

Brand	Model	Load
Busch Jaeger	6513 U-102, TE	2 - 100W
Busch Jaeger	6523 UR-103, TE	2 - 100W, LE 2 - 400W, TE
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (SS20512: 4-400VA)	4 - 40W, LE 4 - 200W, TE
Merten Schneider	MEG5300-0001 (CCT99100), TE	4 - 20VA, LE 4 - 100VA, TE
Legrand	BTN4411N, LE 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 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	1
1	1	1	1	1	1		1	1	1	1	1
		1			1			1	1		1
	2	2	1	1-2	1		1	1	1	1	1
1	1	1	1	1	1		1	1	1	1	1
	1-2	1-3	1	1-2	1-3		1	1	1		1
	2	2	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	1	1	1	1



MAS LEDspotLV D 20-100W AR111 9290034786, 9290034787, 9290034788, 9290034789, 9290034790, 9290034791

Brand	Model	Load
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (SS20512: 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, TE	20 - 60W LE & TE
Gira INSTA	5401 00, TE	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
1	1			1	1	1	1	1	1		1
1	1		2		2	1	1	1	1		1
	1	1	1	1	1	1	1	1	1	1	1
	1		1-2	1	1	1	1	1	1		1
	1		2		1	1	1	1	1	1	1
	1	1	1		1	1	1	1	1	1-2	1
1	1		1-2	1	1	1	1	1	1		1



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

Brand	Model	Load
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (SS20512: 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, TE	20 - 60W LE & TE
Gira INSTA	5401 00, TE	20 - 100W LE & TE

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

Professional 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 10.8-50W AR111
9290030432, 9290030433,
9290030434, 9290030435,
9290030436, 9290030437

Brand	Model	Load
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (SS20512: 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, TE	20 - 60W LE & TE
Gira INSTA	5401 00, TE	20 - 100W LE & TE

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



MAS LED ExpertColor 14.8-75W AR111
9290030426, 9290030427,
9290030428, 9290030429,
9290030430, 9290030431

Brand	Model	Load
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (SS20512: 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, TE	20 - 60W LE & TE
Gira INSTA	5401 00, TE	20 - 100W LE & TE

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



Master LEDspot Dimtone 7 - 50W MR16
9290024938

Brand	Model	Load
Doyle & Tratt (Varilight)	HQ3W	60 - 400W
Schneider (Elko)	SBD200LED (CCTEL10501) (SS20512: 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, TE	20 - 60W LE & TE
Gira INSTA	5401 00, TE	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
	1-2		1-2	1-2	1-2		1	1	1	1-2	2
	2			1-2						2	1-2
	2		2	1-2	1-2	1	1		1		1
	1-2		1-2	1-2	1-2	1	1	1	1		1
	2		1-2	1-2	2	1	1	1	1	2	1
	2		2		2	1	1	1	1		1
	1-2			2	1-2	1	1	1	1	2	1
	2		2	2	1-2				1		1



CorePro LEDcapsule LV 2.1-20W G4 827 D
9290023894

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

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".



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Data subject to change.