



PHILIPS

**Transformer and
dimmer list**
Professional Q3 2019



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Professional LED Low Voltage range

Recommended Low Voltage Dimmer compatibility list - LED Lamps



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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Master LEDspot Expertcolor
11-50W
AR111
24D

		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			
Brand	Model	Watt																			
Mode	TE	TE	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE			
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	TE	35% - 98%	39% - 99%	38% - 99%	39% - 99%	38% - 99%	33% - 99%	32% - 99%	39% - 99%	37% - 99%	19% - 99%	22% - 99%	flicker	32% - 99%	33% - 99%	29% - 99%	28% - 99%	flicker
	Gira	1176	50 - 420W	UNI	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	28% - 99%	26% - 99%	flicker	18% - 99%	19% - 99%	flicker	flicker	flicker
	Merten (Schneider)	5771	20 - 315W	TE	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%
	Insta Group (Berker)	283010	60 - 400W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	flicker	flicker	flicker	19% - 99%	flicker	flicker	9% - 99%	10% - 99%	flicker	flicker	flicker
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	29% - 99%	31% - 99%	29% - 99%	28% - 100%	24% - 99%	19% - 99%	flicker	10% - 99%	9% - 99%	15% - 99%	17% - 99%	11% - 99%
	Schneider Electric	315GLE	20 - 315W	TE	38% - 100%	37% - 99%	38% - 100%	34% - 100%	32% - 99%	28% - 99%	22% - 99%	23% - 99%	22% - 99%	17% - 99%	8% - 99%	flicker	9% - 99%	8% - 99%	18% - 99%	19% - 99%	8% - 99%



MAS LED ExpertColor
11-50W 927
AR111
8D

		Transformer																	
		Philips						Varilight		OSRAM				Tridonic					
		Certaline 60	Certaline 105		Certaline 150		Primaline 105		Primaline 150		YT50	YT70	HTM 70	HTM 105		HTM 150		VIPER	
		20 - 60W	35 - 105W		50 - 150W		35 - 105W		50 - 150W		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W	
		1 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	
Brand	Model	Watt																	
Mode	TE	TE	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	TE	39% - 99%	45% - 99%	42% - 99%	37% - 99%	47% - 98%	15% - 99%	21% - 99%	flicker	33% - 98%	flicker	33% - 98%	flicker	33% - 98%	flicker	flicker
	Gira	1176	50 - 420W	UNI	flicker	flicker	flicker	flicker	flicker	36% - 99%	29% - 99%	flicker	16% - 99%	flicker	16% - 99%	flicker	16% - 99%	flicker	flicker
	Merten (Schneider)	5771	20 - 315W	TE	48% - 99%	35% - 99%	29% - 99%	29% - 98%	35% - 98%	27% - 99%	24% - 99%	21% - 98%	18% - 99%	37% - 99%	37% - 99%	37% - 99%	37% - 99%	37% - 99%	37% - 99%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	LE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Insta Group (Berker)	283010	60 - 400W	LE	9% - 96%	8% - 98%	flicker	flicker	flicker	15% - 99%	15% - 99%	flicker	8% - 99%	flicker	8% - 99%	flicker	8% - 99%	flicker	flicker
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	LE	29% - 96%	30% - 98%	1% - 100%	16% - 99%	flicker	21% - 99%	18% - 99%	flicker	12% - 100%	9% - 99%	9% - 99%	9% - 99%	9% - 99%	9% - 99%	9% - 99%
	Legrand	067081	40 - 300W	LE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand	067082	40 - 600W	LE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand	067084	40 - 300W	LE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand (Bticino)	L4407	60 - 250W	TE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
Schneider Electric	315GLE	20 - 315W	TE	47% - 99%	38% - 99%	flicker	25% - 99%	flicker	6% - 100%	5% - 99%	flicker	6% - 99%	1% - 100%	1% - 100%	1% - 100%	1% - 100%	1% - 100%	1% - 100%	

Professional LED Low Voltage range

Recommended Low Voltage Dimmer compatibility list - LED Lamps



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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**Master LEDspot Expertcolor
15-75W
AR111**

		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			
		Mode	TE	TE	TE	TE	LE & TE	LE & TE					LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE			
Dimmer	Brand	Model	Watt	TE	N.A.	35% - 99%	N.A.	flicker	38% - 99%	flicker	N.A.	flicker	flicker	N.A.	41% - 99%	flicker	flicker	N.A.	39% - 99%	flicker	41% - 99%
	Busch Jaeger	6513 U-102	40 - 420W	TE	N.A.	35% - 99%	N.A.	flicker	38% - 99%	flicker	N.A.	flicker	flicker	N.A.	41% - 99%	flicker	flicker	N.A.	39% - 99%	flicker	41% - 99%
	Gira	1176	50 - 420W	UNI	flicker	flicker	N.A.	flicker	flicker	flicker	N.A.	flicker	flicker	N.A.	34% - 99%	29% - 99%	33% - 99%	N.A.	flicker	flicker	38%-100%
	Merten (Schneider)	5771	20 - 315W	TE	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%
	Insta Group (Berker)	283010	60 - 400W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	N.A.	flicker	flicker	N.A.	31%-100%	flicker	6%-100%	N.A.	flicker	10% - 99%	15% - 99%
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	LE	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%
	Schneider Electric	315GLE	20 - 315W	TE	N.A.	flicker	N.A.	41%-100%	37% - 99%	flicker	N.A.	55% - 99%	flicker	N.A.	46% - 99%	44% - 99%	47% - 99%	N.A.	flicker	46%-100%	43%-100%



**Master LEDspot Expertcolor
20-100W
AR111**

		Transformer																			
		Philips						Varilight		OSRAM						Tridonic					
		Certaline 60	Certaline 105		Certaline 150		Primaline 105		Primaline 150		YT50	YT70	HTM 70	HTM 105		HTM 150		VIPER			
		20 - 60W	35 - 105W		50 - 150W		35 - 105W		50 - 150W		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W			
		1 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			
		Mode	TE	TE	TE	TE	LE & TE	LE & TE					LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE			
Dimmer	Brand	Model	Watt	TE	N.A.	32% - 99%	N.A.	flicker	N.A.	flicker	N.A.	flicker	N.A.	N.A.	N.A.	flicker	flicker	N.A.	37% - 99%	N.A.	N.A.
	Busch Jaeger	6513 U-102	40 - 420W	TE	N.A.	32% - 99%	N.A.	flicker	N.A.	flicker	N.A.	flicker	N.A.	N.A.	N.A.	flicker	flicker	N.A.	37% - 99%	N.A.	N.A.
	Gira	1176	50 - 420W	UNI	flicker	flicker	N.A.	flicker	N.A.	flicker	N.A.	flicker	N.A.	N.A.	N.A.	32% - 99%	N.A.	flicker	N.A.	N.A.	N.A.
	Merten (Schneider)	5771	20 - 315W	TE	N.A.	44%-100%	N.A.	47% - 99%	N.A.	42%-100%	N.A.	43%-100%	N.A.	N.A.	N.A.	29% - 99%	N.A.	43% - 99%	N.A.	N.A.	N.A.
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	LE	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.
	Insta Group (Berker)	283010	60 - 400W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	N.A.	flicker	N.A.	N.A.	N.A.	flicker	6% - 99%	N.A.	flicker	N.A.	N.A.
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	26% - 99%	N.A.	26%-100%	N.A.	N.A.	N.A.	13% - 99%	N.A.	5% - 99%	N.A.	N.A.	N.A.
	Legrand	67081	40 - 300W	LE	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.
	Legrand	67082	40 - 600W	LE	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.
	Legrand (Bticino)	L4407	60 - 250W	TE			N.A.												N.A.	N.A.	N.A.
Schneider Electric	315GLE	20 - 315W	TE	N.A.	flicker	N.A.	39%-100%	N.A.	flicker	N.A.	53% - 99%	N.A.	N.A.	N.A.	43% - 99%	N.A.	flicker	N.A.	N.A.	N.A.	

Professional LED Low Voltage range

Recommended Low Voltage Dimmer compatibility list - LED Lamps



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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**Master LEDspot
MR16
8-50W D**

		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
Brand	Model	Watt	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE			LE & TE	LE & TE	LE & TE	LE & TE
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	flicker	40%-90%	50%-90%	50%-90%	40%-90%	40%-90%	40%-90%			40%-90%	40%-90%	40%-90%
	Gira	1176	50 - 420W	cannot dim	50%-90%	50%-90%	30%-90%	50%-90%	40%-90%	40%-90%			30%-90%	30%-90%	40%-90%
	Merten (Schneider)	5771	20 - 315W	flicker	50%-90%	50%-90%	50%-90%	50%-90%	50%-90%	flicker			30%-90%	30%-90%	50%-90%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	flicker	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%	flicker			10%-90%	10%-90%	10%-90%
	Insta Group (Berker)	283010	60 - 400W	flicker	10%-90%	10%-90%	10%-90%	10%-90%	30%-90%	30%-90%	flicker			10%-90%	10%-90%
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	flicker	10%-90%	flicker	30%-90%	30%-90%	flicker	flicker	flicker			30%-90%	30%-90%
	Legrand	067081	40 - 300W	flicker	10%-90%	20%-90%	20%-90%	flicker	10%-90%	10%-90%	10%-90%			10%-90%	10%-90%
	Legrand	067082	40 - 600W	flicker	10%-90%	10%-90%	10%-90%	flicker	10%-90%	20%-90%	cannot dim			flicker	flicker
	Legrand	067084	40 - 300W												
	Legrand (Bticino)	ART5364						flicker							
	Legrand (Bticino)	L4407	60 - 250W	flicker	flicker	flicker		flicker		flicker					
	Schneider Electric	315GLE	20 - 315W	flicker	10%-90%	10%-90%	max flicker	flicker	10%-90%	10%-90%	flicker			10%-90%	10%-90%



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

		Transformer												
		Philips					Varilight		ELT		OSRAM			Tridonic
		Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT50	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	
Brand	Model	Watt	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE			LE & TE	LE & TE	LE & TE
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	>40%	>40%	>40%	flicker	>40%	>40%	>40%			>50%	>40%
	Gira	1176	50 - 420W		flicker			>40%						
	Merten (Schneider)	5771	20 - 315W	>50%	>50%		>50%	>50%	>40%	>50%			>40%	>40%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	flicker	flicker	flicker	flicker	flicker	flicker	flicker			flicker	flicker
	Insta Group (Berker)	283010	60 - 400W							flicker				flicker
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W											
	Legrand	067081	40 - 300W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker			flicker
	Legrand	067082	40 - 600W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker			flicker
	Legrand	067084	40 - 300W		flicker		flicker			flicker				flicker
	Legrand (Bticino)	L4407	60 - 250W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker			flicker
	Schneider Electric	315GLE	20 - 315W							flicker				flicker

Professional LED Low Voltage range

Recommended Low Voltage Dimmer compatibility list - LED Lamps



KEY

x-y	Transformer is compatible with x - y lamp
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**Master LEDspot DimTone
7-50W
MR16**

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



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

		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	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W				
		Quantity	1 lamp	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp		
Brand	Model	Watt	TE	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE		
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	24%-98%	cannot dim	19%-100%	17%-99%	15%-100%	16%-99%	17%-99%	18%-99%	16%-99%	15%-100%	16%-99%	17%-99%	18%-100%	20%-100%	17%-99%	13%-99%	14%-99%	14%-100%	16%-99%	13%-99%	15%-99%	17%-99%	21%-99%
	Gira	1176	50 - 420W	18%-99%	cannot dim	17%-99%	16%-99%	17%-99%	15%-99%	16%-99%	16%-99%	17%-99%	14%-100%	16%-99%	19%-100%	18%-99%	14%-100%	15%-99%	16%-99%	13%-98%	14%-99%	15%-99%	14%-98%	15%-99%	14%-98%	11%-100%
	Merten (Schneider)	5771	20 - 315W	41%-99%	cannot dim	35%-100%	31%-99%	29%-99%	28%-100%	27%-99%	24%-99%	21%-98%	20%-99%	21%-98%	20%-99%	21%-99%	23%-99%	21%-99%	18%-99%	19%-99%	16%-99%	15%-99%	14%-99%	14%-98%	13%-98%	26%-99%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	flicker	cannot dim	12%-99%	14%-99%	14%-99%	14%-98%	14%-99%	2%-99%	3%-99%	4%-99%	2%-100%	3%-99%	4%-99%	2%-100%	3%-99%	4%-99%	5%-99%	3%-99%	4%-99%	4%-99%	2%-99%	4%-99%	5%-99%
	Insta Group (Berker)	283010	60 - 400W	flicker	cannot dim	12%-100%	11%-100%	11%-99%	12%-99%	12%-100%	4%-99%	3%-99%	4%-98%	3%-99%	4%-99%	2%-100%	14%-100%	16%-99%	4%-100%	4%-98%	2%-98%	3%-99%	3%-98%	3%-98%	4%-99%	
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	19%-99%	cannot dim	14%-99%	12%-99%	12%-99%	12%-100%	11%-99%	5%-100%	4%-99%	2%-100%	4%-99%	3%-99%	5%-100%	15%-100%	14%-100%	5%-99%	6%-99%	5%-99%	4%-99%	4%-98%	3%-99%	3%-99%	6%-100%
	Legrand	067081	40 - 300W	flicker	cannot dim	10%-99%	11%-100%	flicker	9%-99%	11%-99%	flicker	8%-99%	5%-99%	flicker	5%-99%	5%-99%	flicker	flicker	flicker	flicker	4%-99%	3%-99%	flicker	5%-99%	4%-100%	flicker
	Legrand	067082	40 - 600W	flicker	cannot dim	14%-99%	13%-99%	flicker	10%-99%	11%-100%	flicker	5%-99%	4%-98%	flicker	4%-98%	4%-99%	flicker	flicker	flicker	flicker	3%-99%	2%-99%	flicker	4%-99%	3%-99%	flicker
	Legrand	067084	40 - 300W	flicker	cannot dim	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	10%-100%	8%-99%	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand (Bticino)	L4407	60 - 250W	flicker	cannot dim	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Schneider Electric	315GLE	20 - 315W	flicker	cannot dim	12%-99%	11%-99%	11%-99%	12%-100%	11%-98%	flicker	3%-99%	4%-98%	flicker	5%-99%	3%-99%	7%-100%	6%-99%	8%-99%	9%-99%	7%-99%	8%-99%	6%-99%	4%-98%	5%-99%	6%-98%
Vimar	14153		2%-99%	cannot dim	10%-99%	12%-99%	12%-99%	12%-98%	12%-99%	3%-99%	2%-99%	3%-100%	2%-99%	3%-99%	4%-98%	3%-99%	4%-99%	4%-99%	6%-99%	7%-100%	5%-99%	4%-99%	5%-99%	4%-99%	4%-99%	

Professional LED Low Voltage range

Recommended Low Voltage Dimmer compatibility list - LED Lamps



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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**Master LED ExpertColor
6.5-35W
MR16**
**Master LED ExpertColor
7.5-43W
MR16**

		Transformer											
		Philips					Varilight		ELT	OSRAM		Tridonic	
		Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 105	HTM 150	VIPER	
		Wattage	20 - 60W	50 - 150W	50 - 150W	35 - 105W	50 - 150W	0 - 50W	0 - 70W		35 - 105W	50 - 150W	20 - 60W
		Quantity	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	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE
Dimmer	Busch Jaeger	6513 U-102	40 - 420W										
	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	067081	40 - 300W										
	Legrand	067082	40 - 600W										
	Legrand	067084	40 - 300W										
	Legrand (Bticino)	L4407	60 - 250W										
	Schneider Electric	315GLE	20 - 315W										



**Master LEDspot VLE D
5.5-35W
MR16**
**Master LEDspot VLE D
7-50W
MR16**

		Transformer											
		Philips					Varilight	ELT	OSRAM		TRIDONIC		
		Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	TCE 6/23-E	HTM 105	HTM 150	VIPER		
		Wattage	20 - 60W	20 - 60W	20 - 60W	20 - 60W	20 - 60W		20 - 60W	20 - 60W	20 - 60W		
		Quantity	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp		
Brand	Model	Watt	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE		
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	50%-90%	50%-90%	60%-90%	50%-90%	50%-90%	40%-90%	40%-90%	40%-80%	40%-80%	40%-80%
	Gira	1176	50 - 420W	cannot startup	60%-90%	flicker	50%-90%	50%-90%	40%-90%	20%-90%	10%-90%	30%-90%	40%-80%
	Merten (Schneider)	5771	20 - 315W	40%-80%	60%-90%	40%-80%	60%-90%	30%-90%	40%-90%	40%-90%	40%-80%	10%-90%	40%-90%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%	10%-90%	flicker	20%-90%	20%-90%	20%-90%
	Insta Group (Berker)	283010	60 - 400W	flicker	30%-90%	20%-90%	20%-90%	20%-90%	20%-90%	flicker	10%-90%	10%-90%	10%-90%
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	30%-90%	40%-90%	20%-90%	30%-90%	30%-90%	30%-90%	20%-90%	10%-90%	10%-90%	10%-90%
	Legrand	067081	40 - 300W	flicker	30%-90%	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%	10%-90%	10%-90%	10%-90%
	Legrand	067082	40 - 600W	flicker	30%-90%	20%-90%	20%-90%	30%-90%	20%-90%	flicker	flicker	20%-90%	10%-90%
	Legrand	067084	40 - 300W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand (Bticino)	L4407	60 - 250W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Schneider Electric	315GLE	20 - 315W	cannot dim	70%-90%	40%-90%	70%-90%	70%-90%	70%-90%	40%-90%	40%-90%	40%-90%	40%-90%

Professional LED Low Voltage range

Recommended Low Voltage Dimmer compatibility list - LED Lamps



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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**Master LEDspot Value
D 5.5-35W
MR16**

		Transformer																															
		Philips									Varilight			OSRAM						Tridonic													
Brand	Model	Certaline 60			Certaline 105			Certaline 150			Primaline 105			Primaline 150			YT50	YT70Z		HTM 70		HTM 105		HTM 150		VIPER							
Wattage		20 - 60W			35 - 105W			50 - 150W			35 - 105W			50 - 150W			0 - 50W	0 - 70W		20 - 70W		35 - 105W		50 - 150W		20 - 60W							
Quantity		1 lamp	2 lamps	1 lamp	2 lamps	3 lamps	2 lamps	3 lamps	4 lamps	1 lamp	2 lamps	3 lamps	2 lamps	3 lamps	4 lamps	1 lamp	1 lamp	2 lamps	1 lamp	2 lamps	1 lamp	2 lamps	3 lamps	2 lamps	3 lamps	4 lamps	1 lamp	2 lamps					
Mode		TE			TE			TE			LE & TE			LE & TE			LE & TE			LE & TE			LE & TE			LE & TE							
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	TE	flicker	40%-90%	56%-99%	52%-99%	50%-99%	N.A.	N.A.	N.A.	40%-90%	40%-90%	40%-90%	30%-90%	30%-90%	30%-90%	40%-90%	40%-90%	40%-90%	43%-99%	43%-99%	42%-99%	42%-99%	42%-99%	20%-85%	20%-85%	20%-85%	40%-90%	40%-90%		
	Gira	1176	50 - 420W	UNI	42-99%	40-99%	53%-100%	50%-100%	50%-100%	N.A.	N.A.	N.A.	can't start up	20%-90%	20%-90%	30%-90%	30%-90%	30%-90%	40%-90%	40%-90%	40%-90%	37%-99%	37%-99%	36%-99%	36%-99%	36%-99%	35%-90%	35%-90%	35%-90%	32%-99%	32%-99%		
	Merten (Schneider)	5771	20 - 315W	TE	59%-99%	50%-99%	41-94%	40-95%	38-96%	N.A.	N.A.	N.A.	40%-95%	40%-95%	40%-95%	19%-98%	19%-98%	19%-98%	40%-100%	35%-90%	35%-90%	39%-98%	39%-98%	40%-99%	40%-99%	40%-99%	10%-80%	10%-80%	10%-80%	38%-99%	38%-99%		
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	5%-90%	5%-90%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	flicker	15%-90%	flicker	15%-80%	15%-80%	10%-90%	10%-90%	10%-90%	5%-95%	5%-95%		
	Insta Group (Berker)	283010	60 - 400W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	5%-95%	5%-95%	10%-90%	10%-90%	10%-90%	flicker	10%-90%	10%-90%	flicker	10%-95%	40-81%	40-81%	40-81%	10%-90%	10%-90%	10%-90%	5%-90%	5%-90%		
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	18%-99%	18%-99%	18%-99%	19%-99%	19%-99%	19%-99%	25%-95%	30%-90%	30%-90%	28%-99%	28%-99%	31%-99%	31%-99%	31%-99%	20%-90%	10%-90%	10%-90%	24%-98%	24%-98%		
	Legrand	67081	40 - 300W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	flicker	5%-95%				flicker	flicker	5%-95%	flicker	5%-95%	flicker	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	flicker	5%-95%	
	Legrand	67082	40 - 600W	LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	flicker	5%-95%				flicker	flicker	5%-95%	flicker	5%-95%	flicker	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	flicker	5%-95%
	Legrand (Bticino)	L4407	60 - 250W	LE	can't start up	N.A.	cannot dim	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	N.A.	N.A.				flicker	N.A.	N.A.	flicker	N.A.	flicker	N.A.	N.A.	10%-90%	N.A.	N.A.	flicker	N.A.		
	Schneider Electric	315GLE	20 - 315W	TE	flicker	5%-65%	flicker	5%-93%	5%-95%	N.A.	N.A.	N.A.	flicker	5%-90%	5%-90%	10%-90%	10%-90%	10%-90%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	20%-85%	20%-85%	20%-85%	1%-100%	1%-100%		



**Corepro LEDcapsule
0.9-10W
G4**

		Transformer														
		Philips					Varilight		ELT	OSRAM			Tridonic			
Brand	Model	Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER			
Wattage		20 - 60W	35 - 105W	50 - 150W	35 - 105W	50 - 150W	0 - 70W	20 - 70W		20 - 70W	35 - 105W	50 - 150W	20 - 60W			
Quantity		1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp	1 lamp			
Mode		TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE		LE & TE	LE & TE	LE & TE	LE & TE			
Dimmer	Busch Jaeger	6513 U-102	40 - 420W	TE	45%-90%	flicker	50%-90%	flicker	40%-90%	40%-90%	40%-90%	30%-90%	38%-100%	42%-99%	41%-99%	44%-99%
	Gira	1176	50 - 420W	UNI	30%-90%	flicker	cannot startup	cannot startup	flicker	30%-90%	30%-90%	30%-90%	flicker	flicker	cannot startup	30%-90%
	Merten (Schneider)	5771	20 - 315W	TE	40%-70%	40%-70%	50%-70%	flicker	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	LE	30%-90%	40% flicker	30%-90%	flicker	flicker	30%-90%	30%-90%	flicker	40%-70%	40%-70%	flicker	flicker
	Insta Group (Berker)	283010	60 - 400W	LE	20%-90%	flicker	20%-90%	flicker	flicker	20%-90%	20%-90%	flicker	10%-90%	10%-90%	cannot startup	10%-90%
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	LE	50%-90%	50%-90%	50%-90%	flicker	50%-90%	50%-90%	50%-90%	flicker	20%-90%	20%-90%	flicker	10%-90%
	Legrand	67081	40 - 300W	LE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand	067082	40 - 600W	LE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand	067084	40 - 300W	LE	cannot dim	cannot dim	flicker	flicker	flicker	30%-90%	30%-90%	N.A.	20%-90%	20%-90%	flicker	30%-90%
	Legrand (Bticino)	L4407	60 - 250W	LE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
Schneider Electric	315GLE	20 - 315W	TE	flicker	flicker	flicker	flicker	flicker	40%-70%	40%-70%	40%-70%	N.A.	40%-70%	40%-70%	flicker	40%-70%

Notes:
Philips Low Voltage lamps are only compatible with electronic ballast. The compatibility is tested in a lab-environment. Real applications might give different performance
Suppliers of dimmers and/or electronic transformers can update their products without informing Philips. The compatibility can therefore be different from above. If your ET is not on the list: please consult your local Philips supplier.

Philips will not accept claims for any damage caused by implementing the recommendations in this document.

Professional LED Low Voltage range

Recommended electronic 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	Master LED ExpertColor D 6.5-35W / D 7.5-43W MR16	Master LEDspot DimTone 5-35W MR16	Master LEDspot D 8-50W MR16	Master LEDspot DimTone 5-35W MR16	Master LEDspot Value D 5.5-35W MR16	Master LEDspot VLE D 5.5-35W MR16	Master LEDspot VLE D 7-50W MR16
			NEW							
Transformer 50-70W	Brand / type	Watt								
	OSRAM Halotronic HTM 70 (new type)	20-70	1	1	1-2	1	1-2	1-2	1	1
	Philips Certaline 60	20-60	1	1	2	1	1-2	1-2	1	1
	SEET STE 70VA 7429	20-70	1	1	1-2	1	1-2	1-2	1	1
	TRIDONIC SPEEDY TE-0050 C101	20-50	1	1	1	1	1-2	2	1	1
	TCI PICO WOLF 60	10-60			1-2		2			
	Vossloh Schwabe EST 60/12.635	10-60	1	1	1-2	1	1-2	2	1	1
	RELCO ICE60 PFS TH 60W	10-60	1	1	1-2	1	1	1-2	1	1
	RELCO MINI ICE RN1650 70W	20-70			2	1		2	1	1
	Varilight YT50L	0-50	1	1	1-2	1	1-2	1-2	1	1
	Varilight YT70L	0-70	1	1	1-2	1	1-2	1-2	1	1
	TRIDONIC SPEEDY TE-0070	20-70		1	1-2	1	2	2	1	1
	Vossloh Schwabe EST 70/12.380	20-70	1	1	1-2	1	2	1-2	1	1
	Radiant XE060/03	20-50	1	1		1	1-2	1-2	1	1
OSRAM ET-P 60	20-60	1	1	1	1			1	1	
Transformer 105W	Philips Primaline 105	35-105	1-2	1-2	1-3	1-2	2-4	1-3	1-2	1-2
	OSRAM Halotronic HTM 105	35-105	1-2	1-2	2-3	1-2	2-4	1-3	1-2	1-2
	Philips Certaline 105	35-105	2	1-2	2-3	1-2	3-4	1-3	1-2	1-2
	Tridonic speedy TE-0105 C101	35-105	2	2	2-3	2	3-4	2-3	2	2
	RELCO ICE 105 PFS TH	20-105	2	2	2-3		3-4	1-3	1-2	1-2
	Vossloh Schwabe EST 105	20-105	1-2	1-2	1-3	1-2	2-4	1-3	1-2	1-2
	Varilight YT105L	0-105	1-2	1-2	1-3	1-2	1-4	1-3	1-2	1-2
	IBL lighting UK 4106.00 105W	35-105	2	2	2-3	1-2	2-4	2-3	2	2
	TCI Pico Wolf 105	20-105	2	1-2	2-3	1-2	1-4	1-3	1-2	
	GIRA tronic trafo	20-105	2	2	2-3	1-2	1-4	2-3	1-2	1-2
Transformer 150-160W	Philips Primaline 150	50-150	1-3	1-3	2-4	1-3	2-6	2-4	1-3	1-3
	Philips certaline 150	50-150	1-3	1-3	2-4	1-3	3-6	2-4	1-3	1-3
	Relco ICE 150	50-150	3	3	3-4	3	3-6	3-4	1-3	1-3
	Relco ICE 160 PFS TH	100-160			3-5	3	4-6	4-5	3	3
	TCI (DIAG) T150 (WX150)	30-150	2-3	2-3	2-4	2-3	4-6	2-4	1-3	1-3
	OSRAM HTM 150	50-150	2-3	2-3	2-4	2-3	2-6	2-4	2-3	2-3
	SEET HA-150 code 7431	50-150	1-3	1-3	2-4	1-3	2-6	2-4	1-3	1-3
	Varilight YT150	0-150	1-3	1-3	1-4	1-3	1-6	2-4	1-3	1-3
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	3-4	4	4-7	2-4	4-8	4-6	3-4	3-4
	SEET HA 210 code 7432	50-210	2-4	2-4	2-6	2-4	4-8	3-6	1-4	1-4
	TCI W210	50-210	3-4	2-4	3-6	2-4	4-8	3-6	3-4	3-4
	RELCO ICE 250 PFS TH	100-250		4-5				6	3-4	3-4
	VARILIGHT YT 250	0-250	1-5	1-5	3-7	1-5	1-8	1-7	1-5	1-5
	TCI W250	50-250	3-5	2-5	4-7	2-5	4-8	2-7	2-5	2-5

Notes:

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the transformers can be loaded with more lamps than is specified in this document (most transformers can be loaded with LED lamps to 20% of specified power)
- #2) This list is based on measurements in a lab environment.
- #3) Transformer manufacturers may change the technical design of the transformer without informing LED lamp suppliers. These changes can influence the performance of LED products.
- #4) Magnetic transformers are not compatible

If your Electronic Transformer is not on the list: please consult your local Philips supplier for guidance

Disclaimer:

Philips will not accept claims for any damage caused by implementing the recommendations in this document.

Professional LED Low Voltage range



Recommended electronic 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

This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are generated in lab controlled environment and may differ from actual application conditions

	Brand / type	Watt	LED spots						LED capsule			
			Master LEDspot Expertcolor 11-50W AR111	Master LEDspot Expertcolor 15-75W AR111	Master LEDspot Expertcolor 20-100W AR111	CorePro LEDspot 2.3-20W MR11 ND	Master LEDspot 3.5-20W MR11 ND	Corepro LEDspot 3-20W MR16 ND	Corepro LEDspot 5-35W MR16 ND	Corepro LEDspot 7-50W MR16 / GU5.3 ND	Corepro LEDcapsule 0.9-10W G4	Corepro LEDcapsule 1.7-20W G4 / GY6.35
Transformer 50-70W												
Transformer 105W	Philips Primaline 105	35-105	1-2	1	1	4-9	2-5	2-5	1-3	1-2	6-10	4-10
	OSRAM Halotronic HTM 105	35-105	1-2	1	1	4-9	2-5	2-5	1-3	1-2	6-10	4-10
	Philips Certaline 105	35-105	1-2	1	1	4-9	2-5	2-5	1-3	1-2	6-10	4-10
	Tridonic speedy TE-0105 C101	35-105	2				2-5	2-5	1-3	2		
	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	2-9	2-5	1-5	1-3	1-2	4-10	2-10
	Varilight YTI05L	0-105	1-2	1	1	1-9	2-5	1-5	1-3	1-2	1-10	2-10
	IBL lighting UK 4106.00 105W	35-105	1-2	1	1	4-9	2-5	2-5	1-3	1-2	6-10	4-10
	TCI Pico Wolf 105	20-105	1-2	1	1		2-5	2-5	1-3	1-2	4-10	2-10
	GIRA tronic trafo	20-105	1-2	1	1	2-9	2-5		1-3	1-2		2-10
Transformer 150-160W	Philips Primaline 150	50-150	1-2	1-2	1	5-10	3-7	3-7	2-4	1-3	9-10	5-10
	Philips certaline 150	50-150	1-2	1-2	1	5-10	3-7	3-7	2-4	2-3	9-10	
	Relco ICE 150	50-150	1-2	2		5-10	3-7	3-7	2-4		9-10	5-10
	Relco ICE 160 PFS TH	100-160	1-2	2			5-7					
	TCI (DIAG) T150 (WX150)	30-150	1-2	1-2	1	3-10	2-7	2-7	1-4	2-3	5-10	5-10
	OSRAM HTM 150	50-150	1-2	1-2	1	5-10	3-7	3-7	3-4	1-3	9-10	
	SEET HA-150 code 7431	50-150	1-3	1-2	1	5-10	3-7	4-7	2-4		9-10	6-10
	Varilight YTI150	0-150	1-3	1-2	1	1-10	1-7	1-7	1-4	1-3	1-10	1-10
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	5-10	3-10				9-10	
	TCI W210	50-210	2-4	2	1-2	5-10	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	1-10	1-7	1-5	5-10	1-10
	TCI W250	50-250	2-5	2-3	1-2	5-10	3-10	3-10	2-7			

- Notes:**
- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the transformers can be loaded with more lamps than is specified in this document (most transformers can be loaded with LED lamps to 20% of specified power)
 - #2) This list is based on measurements in a lab environment.
 - #3) Transformer manufacturers may change the technical design of the transformer without informing LED lamp suppliers. These changes can influence the performance of LED products.
 - #4) Magnetic transformers are not compatible

If your Electronic Transformer is not on the list: please consult your local Philips supplier for guidance

Disclaimer:
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Data subject to change.

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