



**PHILIPS**

**Transformer and  
dimmer list**  
Professional Q3 2018



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# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

<b>x-y</b>	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.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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**Master LEDspot AR111  
GU53  
11-50W  
24D**

		Transformer																			
		Philips						Varilight		OSRAM				Tridonic							
Brand	Model	Certaline 60	Certaline 105		Certaline 150		Primaline 105		Primaline 150		YT50	YT70	HTM 70	HTM 105		HTM 150		VIPER			
Wattage		20 - 60W	35 - 150W		50 - 150W		35 - 105W		50 - 150W		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W			
Quantity		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	TE	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%



**Master LEDspot AR111  
GU53  
11-50W  
8D**

		Transformer																	
		Philips						Varilight		OSRAM				Tridonic					
Brand	Model	Certaline 60	Certaline 105		Certaline 150		Primaline 105		Primaline 150		YT50	YT70	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	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	1 lamp	1 lamp	1 lamp	
Mode	TE	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	
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	flicker	flicker	
	Gira	1176	50 - 420W	UNI	flicker	flicker	flicker	flicker	flicker	36% - 99%	29% - 99%	flicker	16% - 99%	flicker	16% - 99%	flicker	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%	
	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	flicker	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

<b>x-y</b>	Transformer is compatible with x - y lamp
<b>Yellow</b>	Transformer is compatible but will not work according Philips claimed specifications under all conditions
<b>Red</b>	Transformer is not compatible and therefore will not comply to Philips claimed specifications.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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**Master LEDspot LV AR111  
GU53  
15-75W**

		Transformer																			
		Philips						Varilight		OSRAM						Tridonic					
Brand		Certaline 60	Certaline 105		Certaline 150		Primaline 105		Primaline 150		YT50	YT70	HTM 70	HTM 105		HTM 150		VIPER			
Wattage		20 - 60W	35 - 150W		50 - 150W		35 - 105W		50 - 150W		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W		20 - 60W			
Quantity		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		LE & TE		LE & TE				LE & TE	LE & TE		LE & TE		LE & TE			
Dimmer	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 LV AR111  
GU53  
20-100W**

		Transformer																			
		Philips						Varilight		OSRAM						Tridonic					
Brand		Certaline 60	Certaline 105		Certaline 150		Primaline 105		Primaline 150		YT50	YT70	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	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		LE & TE		LE & TE				LE & TE	LE & TE		LE & TE		LE & TE			
Dimmer	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.	
	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.	
	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.	
	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.	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.	
	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.	
	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.	
	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.	N.A.	43% - 99%	N.A.	flicker	N.A.	N.A.

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

<b>x-y</b>	Transformer is compatible with x - y lamp
<b>Yellow</b>	Transformer is compatible but will not work according Philips claimed specifications under all conditions
<b>Red</b>	Transformer is not compatible and therefore will not comply to Philips claimed specifications.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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

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



**Master LEDspot MR16  
GU5.3  
5-35W  
DimTone**

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

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

<b>x-y</b>	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.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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**Master LEDspot LV MR16**  
6.5-35W  
DimTone

Transformer																						
Brand	Philips												Varilight		OSRAM						Tridonic	
Model	Certaline 60	Certaline 105		Certaline 150			Primaline 105			Primaline 150			YT50	YT70	HTM 70	HTM 105			HTM 150			VIPER
Wattage	20 - 60W	50 - 150W		50 - 150W			35 - 105W			50 - 150W			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	2 lamps	3 lamps	1 lamp	1 lamp	1 lamp	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps

Brand	Model	Watt
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
Vimar	14153	

Mode	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	
TE	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%
UNI	18%-99%	cannot dim	17%-99%	16%-99%	17%-99%	15%-99%	16%-99%	16%-99%	15%-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%	11%-100%
TE	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%
LE	flicker	cannot dim	12%-99%	14%-99%	14%-99%	14%-98%	14%-99%	2%-99%	2%-100%	3%-99%	4%-99%	2%-100%	3%-99%	flicker	flicker	4%-99%	5%-99%	3%-99%	4%-99%	3%-99%	4%-99%	2%-99%	5%-99%
LE	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%-99%	3%-100%	4%-98%	2%-98%	3%-99%	3%-98%	4%-99%
LE	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%
LE	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
LE	flicker	cannot dim	14%-99%	13%-99%	flicker	10%-99%	11%-100%	flicker	5%-99%	4%-98%	flicker	4%-99%	4%-99%	flicker	flicker	flicker	flicker	3%-99%	2%-99%	flicker	4%-99%	3%-99%	flicker
LE	flicker	cannot dim	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	10%-100%	8%-99%	flicker	flicker	flicker	flicker	flicker	flicker
LE	flicker	cannot dim	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
TE	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%
	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%



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

Transformer												
Brand	Philips					Varilight		ELT	OSRAM			Tridonic
Model	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
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

Mode	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE
TE											
UNI											
TE											
LE											
LE											
LE											
LE											
LE											
LE											
TE											

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

<b>x-y</b>	Transformer is compatible with x - y lamp
<b>Yellow</b>	Transformer is compatible but will not work according Philips claimed specifications under all conditions
<b>Red</b>	Transformer is not compatible and therefore will not comply to Philips claimed specifications.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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**Master LEDspot LV MR16  
6.5-35W**

**Master LEDspot LV MR16  
7-35W**

Brand	Model	Watt
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

Brand	Transformer										
	Philips					Varilight		OSRAM			Tridonic
Model	Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
Wattage	20 - 60W	20 - 60W	20 - 60W	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	1 lamp	1 lamp

Mode	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE
TE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
UNI	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
TE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LE	Red	Yellow	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
LE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
LE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
LE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
TE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow



**Master LEDspot LV MR16  
8-35W**

Brand	Model	Watt
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

Brand	Transformer										
	Philips					Varilight		OSRAM			Tridonic
Model	Certaline 60	Certaline 105	Certaline 150	Primaline 105	Primaline 150	YT50	YT70	HTM 70	HTM 105	HTM 150	VIPER
Wattage	20 - 60W	20 - 60W	20 - 60W	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	1 lamp	1 lamp

Mode	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE
TE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
UNI	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
TE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LE	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
LE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
LE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
TE	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

<b>x-y</b>	Transformer is compatible with x - y lamp
<b>Yellow</b>	Transformer is compatible but will not work according Philips claimed specifications under all conditions
<b>Red</b>	Transformer is not compatible and therefore will not comply to Philips claimed specifications.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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

**Master LEDspot Value MR16 7-50W D**

Brand	Model	Watt
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

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



**Master LEDspot Value LV MR16 6.3-35W**

Brand	Model	Watt
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	67081	40 - 300W
Legrand	67082	40 - 600W
Legrand (Bticino)	L4407	60 - 250W
Schneider Electric	315GLE	20 - 315W

Brand	Model	Transformer																										
		Philips						Varilight			OSRAM						Tridonic											
Wattage	Quantity	Certaline 60		Certaline 105			Certaline 150			Primaline 105			Primaline 150			YT50	YT70Z	HTM 70		HTM 105			HTM 150			VIPER		
Mode	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
Busch Jaeger	6513 U-102	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%	20%-85%	20%-85%	20%-85%	40%-90%	40%-90%	
Gira	1176	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%	35%-90%	35%-90%	35%-90%	32%-99%	32%-99%	
Merten (Schneider)	5771	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%	10%-80%	10%-80%	10%-80%	38%-99%	38%-99%	
Doyle & Tratt (Varilight)	HQ3W	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	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	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	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%	flicker	5%-95%
Legrand	67082	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%	flicker	5%-95%
Legrand (Bticino)	L4407	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	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%

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

<b>x-y</b>	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.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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**Corepro LED capsule  
G4 LV  
2-20W  
DIM**

		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	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	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

<b>x-y</b>	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.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	Transformer lamp combination not tested

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		LED spots									
		Master ExpertColor MR16 D 6.5-35W D 7.5-43W	Master MR16 GU5.3 6.5-35W Dimtone	Master MR16 GU5.3 6.5-35W / 7-35W D CR190	Master MR16 GU5.3 8-50W D	Master MR16 GU5.3 8-50W D	Master MR16 GU5.3 5-35W DimTone	Master Value MR16 GU5.3 3.4-20W D	Master Value MR16 GU5.3 6.3-35W D	Master Value MR16 GU5.3 7-50W D	Master Value MR16 5.5-35W D
		Brand / type	Watt								
Transformer 50-70W	OSRAM Halotronic HTM 70 (new type)	20-70	1	1-2	1-2	1	1	1-2	1-3	1-2	1
	Philips Certaline 60	20-60	1	2	1	1	1	1-2	1-3	1-2	1
	SEET STE 70VA 7429	20-70	1	1-2	1-2	1	1	1-2	1-3	1-2	1
	TRIDONIC SPEEDY TE-0050 C101	20-50	1	1	1	1	1	1-2	1-3	2	1
	TCI PICO WOLF 60	10-60		1-2				2	2-3		
	Vossloh Schwabe EST 60/12.635	10-60	1	1-2	1	1	1	1-2	2-3	2	1
	RELCO ICE60 PFS TH 60W	10-60	1	1-2	1-2	1	1	1-3	1-2	1	1
	RELCO MINI ICE RN1650 70W	20-70		2	1-2	1		1-3	2	1	1
	Varilight YT50L	0-50	1	1-2	1	1	1	1-2	1-2	1-2	1
	Varilight YT70L	0-70	1	1-2	1-2	1	1	1-2	1-3	1-2	1
	TRIDONIC SPEEDY TE-0070	20-70	1	1-2	1-2	1	1	2	1-3	2	1
	Vossloh Schwabe EST 70/12.380	20-70	1	1-2	1-2	1	1	2	1-3	1-2	1
	Radiant XE060/03	20-50	1		1	1	1	1-2	1-2	1-2	1
OSRAM ET-P 60	20-60	1	1	1	1	1			1	1	
Transformer 105W	Philips Primaline 105	35-105	1-2	1-3	1-3	1-2	1-2	2-4	2-5	1-3	1-2
	OSRAM Halotronic HTM 105	35-105	1-2	2-3	1-3	1-2	1-2	2-4	2-5	1-3	1-2
	Philips Certaline 105	35-105	1-2	2-3	1-3	1-2	1-2	3-4	2-5	1-3	1-2
	Tridonic speedy TE-0105 C101	35-105	2	2-3	2-3	2	2	3-4	2-5	2-3	2
	RELCO ICE 105 PFS TH	20-105	2	2-3	1-3		2	3-4	2-5	1-3	1-2
	Vossloh Schwabe EST 105	20-105	1-2	1-3	1-3	1-2	1-2	2-4	2-5	1-3	1-2
	Varilight YT105L	0-105	1-2	1-3	1-3	1-2	1-2	1-4	1-5	1-3	1-2
	IBL lighting UK 4106.00 105W	35-105	2	2-3	1-3	1-2	2	2-4	2-5	2-3	2
	TCI Pico Wolf 105	20-105	1-2	2-3	1-3	1-2	1-2	1-4	1-5	1-3	1-2
	GIRA tronic trafo	20-105	2	2-3	2-3	1-2	T.B.D.	1-4	1-5	2-3	1-2
Transformer 150-160W	Philips Primaline 150	50-150	1-3	2-4	2-4	1-3	1-3	2-6	3-8	2-4	1-3
	Philips certaline 150	50-150	1-3	2-4	2-4	1-3	1-3	3-6	3-8	2-4	1-3
	Relco ICE 150	50-150	3	3-4	2-4	3	2-3	3-6	3-8	3-4	1-3
	Relco ICE 160 PFS TH	100-160		3-5	3-4	3		4-6	6-8	4-5	3
	TCI (DIAG) T150 (WX150)	30-150	2-3	2-4	2-4	2-3	2-3	4-6	2-8	2-4	1-3
	OSRAM HTM 150	50-150	2-3	2-4	2-4	2-3	1-3	2-6	3-8	2-4	2-3
	SEET HA-150 code 7431	50-150	1-3	2-4	2-4	1-3	1-3	2-6	3-8	2-4	1-3
	Varilight YT150	0-150	1-3	1-4	1-4	1-3	1-3	1-6	1-8	2-4	1-3
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	4	4-7	3-5	2-4	4	4-8	6-10	4-6	3-4
	SEET HA 210 code 7432	50-210	2-4	2-6	2-6	2-4	2-4	4-8	3-10	3-6	1-4
	TCI W210	50-210	2-4	3-6	3-6	2-4	2-4	4-8	3-10	3-6	3-4
	RELCO ICE 250 PFS TH	100-250	4-5		3-7		3-5			6	3-4
	VARILIGHT YT 250	0-250	1-5	3-7	1-7	1-5	1-5	1-8	1-10	1-7	1-5
	TCI W250	50-250	2-5	4-7	3-7	2-5	2-5	4-8	3-10	2-7	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**

<b>x-y</b>	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.
<b>N.A.</b>	Transformer lamp combination not applicable/relevant
<b>T.B.D.</b>	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 Value MR16 7-50W D	Master AR111 GU53 11-50W D	Master AR111 GU53 15-75W D	Master AR111 GU53 20-100W D	Master MR11 2.6-20W ND	Corepro MR16 GU5,3 3-20W ND	Corepro MR16 GU5,3 5-35W ND	Corepro MR16 GU5,3 8-50W ND	Corepro G4 1.2-10W ND	Corepro G4 2-20W ND
Transformer 50-70W	OSRAM Halotronic HTM 70 (new type)	20-70	1	1	1	N.A.	NEW 1-3	NEW 1-3	NEW 1-2	NEW 1	4-10	2-7
	Philips Certaline 60	20-60	1	1	N.A.	N.A.	1-3	1-3	1-2	1	2-6	2-6
	SEET STE 70VA 7429	20-70	1	1	1	N.A.	1-3	1-3	1-2	1	4-10	2-7
	TRIDONIC SPEEDY TE-0050 C101	20-50	1	1	N.A.	N.A.	1-2		2			
	TCI PICO WOLF 60	10-60		1	N.A.	N.A.	2-3					
	Vossloh Schwabe EST 60/12.635	10-60	1	1	N.A.	N.A.	1-3	1-3	1-2			
	RELCO ICE60 PFS TH 60W	10-60	1	1	N.A.	N.A.	1-3	1-3	1-2	1	2-10	1-6
	RELCO MINI ICE RN1650 70W	20-70	1	1	1	N.A.	1-3					2-7
	Varilight YT50L	0-50	1	1	N.A.	N.A.	1-2	1-2	1	1	1-8	3-5
	Varilight YT70L	0-70	1	1	1	N.A.	1-3	1-3	1-2	1	1-10	2-5
	TRIDONIC SPEEDY TE-0070	20-70	1	1		N.A.	2-3					
	Vossloh Schwabe EST 70/12.380	20-70	1	1	1	N.A.	1-3	1-3	1-2	1		2-7
	Radiant XE060/03	20-50	1	1	N.A.	N.A.	1	1-2	1	1	4-8	4-6
	OSRAM ET-P 60	20-60	1	1	N.A.	N.A.	2-3	1-3	1	1		
Transformer 105W	Philips Primaline 105	35-105	1-2	1-2	1	1	2-5	2-5	1-3	1-2	6-10	4-10
	OSRAM Halotronic HTM 105	35-105	1-2	1-2	1	1	2-5	2-5	1-3	1-2	6-10	4-10
	Philips Certaline 105	35-105	1-2	1-2	1	1	2-5	2-5	1-3	1-2	6-10	4-10
	Tridonic speedy TE-0105 C101	35-105	2	2			2-5	2-5	1-3	2		
	RELCO ICE 105 PFS TH	20-105	1-2	1-2	1	1	2-5		1-3			
	Vossloh Schwabe EST 105	20-105	1-2	1-2	1	1	2-5	1-5	1-3	1-2	4-10	2-10
	Varilight YT105L	0-105	1-2	1-2	1	1	2-5	1-5	1-3	1-2	1-10	2-10
	IBL lighting UK 4106.00 105W	35-105	2	1-2	1	1	2-5	2-5	1-3	1-2	6-10	4-10
	TCI Pico Wolf 105	20-105	1-2	1-2	1	1	2-5	2-5	1-3	1-2	4-10	2-10
	GIRA tronic trafo	20-105	1-2	1-2	1	1	2-5		1-3	1-2		2-10
Transformer 150-160W	Philips Primaline 150	50-150	1-3	1-2	1-2	1	3-7	3-7	2-4	1-3	9-10	5-10
	Philips certaline 150	50-150	1-3	1-2	1-2	1	3-7	3-7	2-4	2-3	9-10	
	Relco ICE 150	50-150	1-3	1-2	2		3-7	3-7	2-4		9-10	5-10
	Relco ICE 160 PFS TH	100-160	3	1-2	2		5-7					
	TCI (DIAG) T150 (WX150)	30-150	1-3	1-2	1-2	1	2-7	2-7	1-4	2-3	5-10	5-10
	OSRAM HTM 150	50-150	2-3	1-2	1-2	1	3-7	3-7	3-4	1-3	9-10	
	SEET HA-150 code 7431	50-150	1-3	1-3	1-2	1	3-7	4-7	2-4		9-10	6-10
	Varilight YT150	0-150	1-3	1-3	1-2	1	1-7	1-7	1-4	1-3	1-10	1-10
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	3-4	2-4	2	2	5-10					
	SEET HA 210 code 7432	50-210	1-4	1-4	2	1-2	3-10				9-10	
	TCI W210	50-210	3-4	2-4	2	1-2	3-10	5-10	2-6			
	RELCO ICE 250 PFS TH	100-250	3-4	3-5			5-10					
	VARILIGHT YT 250	0-250	1-5	1-5	1-3	1-2	1-10	1-10	1-7	1-5	5-10	1-10
	TCI W250	50-250	2-5	2-5	2-3	1-2	3-10	3-10	2-7			

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