



**PHILIPS**

Transformer and  
dimmer list  
Consumer Q1 2017



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## Consumer LED Low Voltage range

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# Consumer LED Low Voltage range



Recommended transformer compatibility list for Low Voltage lamps - LED 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*

Ballast type	Watt	LEDspots						LEDcapsule				
		LED 35W MR16 WarmGlow DIM	LED 35W MR16 DIM	LED 20W MR16 non DIM	LEDClassic 20W MR16 non DIM	LEDClassic 35W MR16 non DIM	LED 20W MR11 non DIM	LED 35W MR16 non DIM	LED 50W MR16 non DIM	LED 10W G4 non DIM	LED 20W G4 non DIM	
Transformer 50-70W	OSRAM Halotronic HTM 70 (new type)	20-70	1-2	1-2	1-3	1-3	1-2	1-3	1-2	1	4-10	2-7
	Philips Certaline 60	20-60	2	1-2	1-3	1-3	1-2	1-3	1-2	1	2-6	2-6
	SEET STE 70VA 7429	20-70	1-2	1-2	1-3	1-3	1-2	1-3	1-2	1	4-10	2-7
	TRIDONIC SPEEDY TE-0050 C101	20-50	1	2	1-3			1-2	1-2	1		
	TCI PICO WOLF 60	10-60	1-2		2-3			2-3				
	Vossloh Schwabe EST 60/12.635	10-60	1-2	2	2-3			1-3	1-2	1		
	RELCO ICE60 PFS TH 60W	10-60	1-2	1-2	1-3	1-3	1-2	1-3	1-2	1	2-10	1-6
	RELCO MINI ICE RN1650 70W	20-70	2	2	1-3		1	1-3	1-2	1		2-7
	Varilight YT50L	0-50	1-2	1-2	1-2	1-3	1-2	1-2	1	1	1-8	3-5
	Varilight YT70L	0-70	1-2	1-2	1-3	1-3	1-2	1-3	1-2	1	1-10	2-5
	TRIDONIC SPEEDY TE-0070	20-70	1-2	2	1-3			2-3	2	1		
	Vossloh Schwabe EST 70/12.380	20-70	1-2	1-2	1-3	1-2	1-2	1-3	1-2	1		2-7
	WACO ET60	20-50		1	2		1	2		1		
Radiant XE060/03	20-50		1-2	1-2	1-2		1	1-2	1	4-8	4-6	
OSRAM ET-P 60	20-60	1			1-3	1-2	2-3		1			
Transformer 105W	Philips Primaline 105	35-105	1-3	1-3	2-5	2-5	1-3	2-5	1-3	1-2	6-10	4-10
	OSRAM Halotronic HTM 105	35-105	2-3	1-3	2-5	2-5	1-3	2-5	1-3	1-2	6-10	4-10
	Philips Certaline 105	35-105	2-3	1-3	2-5	2-5	1-3	2-5	1-3	1-2	6-10	4-10
	Tridonic speedy TE-0105 C101	35-105	2-3	2-3	2-5			2-5	3	2		
	RELCO ICE 105 PFS TH	20-105	2-3	1-3	2-5			2-5	1-3			
	Vossloh Schwabe EST 105	20-105	1-3	1-3	2-5	1-5	1-3	2-5	2-3	1-2	4-10	2-10
	Varilight YT105L	0-105	1-3	1-3	1-5	1-5	1-3	2-5	1-3	1-2	1-10	2-10
	IBL lighting UK 4106.00 105W	35-105	2-3	2-3	2-5	2-5	1-3	2-5	1-3	1-2	6-10	4-10
	TCI Pico Wolf 105	20-105	2-3	1-3	1-5		1-3	2-5	1-3	1-2	4-10	2-10
	GIRA tronic trafo	20-105	2-3	2-3	1-5		1-3	2-5	1-3	1-2		2-10
Transformer 150-160W	Philips Primaline 150	50-150W	2-4	2-4	3-8	3-7	2-4	3-7	2-5	1-3	9-10	5-10
	Philips certaline 150	50-150W	2-4	2-4	3-8	3-7	2-4	3-7	2-5	1-3	9-10	
	Relco ICE 150	50-150W	3-4	3-4	3-8	3-7	2-4	3-7	2-5	3	9-10	5-10
	Relco ICE 160 PFS TH	100-160W	3-5	4-5	6-8			5-7	4-5	3		
	TCI (DIAG) T150 (WX150)	30-150W	2-4	2-4	2-8	2-7	1-4	2-7	2-5	2-3	5-10	5-10
	OSRAM HTM 150	50-150W	2-4	2-4	3-8	3-7	2-4	3-7	2-5	2-3	9-10	
	SEET HA-150 code 7431	50-150W	2-4	2-4	3-8	3-7	2	3-7	2-5	1-3	9-10	6-10
	Varilight YT150	0-150W	1-4	2-4	1-8	1-7	1-4	1-7	1-5	1-3	1-10	1-10
Transformer 210-250W	RELCO ICE 200 PFS TH	100-200	4-7	4-6	6-10			5-10	3-7	2-4		
	SEET HA 210 code 7432	50-210	2-6	3-6	3-10			3-10	2-7	2-4	9-10	
	TCI W210	50-210	3-6	3-6	3-10			3-10	3-7	2-4		
	RELCO ICE 250 PFS TH	100-250		6				5-10	4-7			
	VARILIGHT YT 250	0-250	3-7	1-7	1-10	1-10	1-6	1-10	1-7	1-5	5-10	1-10
	TCI W250	50-250	4-7	2-7	3-10			3-10	3-7	2-5		
Magnetic transformer	*)	*)	*)	*)	*)	*)	*)	*)	*)	*)	*)	

**General 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 in general compatible, however some can give unwanted performance. The lamp will work but Philips can not guarantee electromagnetic compatibility performance (EMC) will be within standards

If your ET 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.

# Consumer 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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**LEDspot 35W GU5.3 WarmGlowDim**

		Transformer																
		Philips																
Brand	Model	Certaline 60			Certaline 105			Certaline 150			Primaline 70	Primaline 105			Primaline 150			
		20 - 60W			50 - 150W			50 - 150W			20 - 70W	35 - 105W			50 - 150W			
		1 lamp	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps

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

<b>TE</b>	24%-98%	can't dim	19%-100%	17%-99%	15%-100%	16%-99%	17%-99%	16%-99%	18%-99%	16%-99%	15%-100%	16%-99%	17%-99%	18%-100%
<b>UNI</b>	18%-99%	can't dim	17%-99%	16%-99%	17%-99%	15%-99%	16%-99%	flicker	16%-99%	15%-99%	16%-99%	17%-99%	14%-100%	16%-99%
<b>TE</b>	41%-99%	can't dim	35%-100%	31%-99%	29%-99%	28%-100%	27%-99%	20%-99%	24%-99%	21%-98%	20%-99%	21%-98%	20%-99%	21%-99%
<b>LE</b>	flicker	can't dim	12%-99%	14%-99%	14%-99%	14%-98%	14%-99%	3%-99%	2%-99%	2%-100%	3%-99%	4%-99%	2%-100%	3%-99%
<b>LE</b>	flicker	can't dim	12%-100%	11%-100%	11%-99%	12%-99%	12%-100%	3%-99%	4%-99%	3%-99%	4%-98%	3%-99%	4%-99%	2%-100%
<b>LE</b>	19%-99%	can't dim	14%-99%	12%-99%	12%-99%	12%-100%	11%-99%	4%-99%	5%-100%	4%-99%	2%-100%	4%-99%	3%-99%	5%-100%
<b>LE</b>	flicker	can't dim	10%-99%	11%-100%	flicker	9%-99%	11%-99%	flicker	flicker	8%-99%	5%-99%	flicker	5%-99%	5%-99%
<b>LE</b>	flicker	can't dim	14%-99%	13%-99%	flicker	10%-99%	11%-100%	flicker	flicker	5%-99%	4%-98%	flicker	4%-98%	4%-99%
<b>LE</b>	flicker	can't dim	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
<b>LE</b>	flicker	can't dim	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
<b>TE</b>	flicker	can't dim	12%-99%	11%-99%	11%-99%	12%-100%	11%-98%	flicker	flicker	3%-99%	4%-98%	flicker	5%-99%	3%-99%
	2%-99%	can't dim	10%-99%	12%-99%	12%-99%	12%-98%	12%-99%	3%-100%	3%-99%	2%-99%	3%-100%	2%-99%	3%-99%	4%-98%

		Transformer									
		Varilight			OSRAM					Tridonic	
Brand	Model	YT50	YT70	HTM 70	HTM 105		HTM 150			VIPER	
		0 - 50W	0 - 70W	20 - 70W	35 - 105W		50 - 150W			20 - 60W	
		1 lamp	1 lamp	1 lamp	1 lamp	2 lamps	3 lamps	1 lamp	2 lamps	3 lamps	1 lamp

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

<b>TE</b>	20%-100%	17%-99%	13%-99%	14%-99%	14%-100%	16%-99%	13%-99%	15%-99%	17%-99%	21%-99%
<b>UNI</b>	19%-100%	18%-99%	14%-100%	15%-99%	16%-99%	13%-98%	14%-99%	15%-99%	14%-98%	11%-100%
<b>TE</b>	23%-99%	21%-99%	18%-99%	19%-99%	16%-99%	15%-99%	14%-99%	14%-98%	13%-98%	26%-99%
<b>LE</b>	flicker	flicker	4%-99%	5%-99%	3%-99%	4%-99%	3%-99%	4%-99%	2%-99%	5%-99%
<b>LE</b>	14%-100%	16%-99%	4%-100%	4%-99%	3%-100%	4%-98%	2%-98%	3%-99%	3%-98%	4%-99%
<b>LE</b>	15%-100%	14%-100%	5%-99%	6%-99%	5%-99%	4%-99%	4%-98%	3%-99%	3%-99%	6%-100%
<b>LE</b>	flicker	flicker	flicker	flicker	4%-99%	3%-99%	flicker	5%-99%	4%-100%	flicker
<b>LE</b>	flicker	flicker	flicker	flicker	3%-99%	2%-99%	flicker	4%-99%	3%-99%	flicker
<b>LE</b>	10%-100%	8%-99%	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
<b>LE</b>	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
<b>TE</b>	7%-100%	6%-99%	8%-99%	9%-99%	7%-99%	8%-99%	6%-99%	4%-98%	5%-99%	6%-98%
	3%-99%	4%-99%	4%-99%	6%-99%	7%-100%	5%-99%	4%-99%	5%-99%	4%-99%	4%-99%



# Consumer 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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LEDspot 35W GU5.3 DIM

Transformer																
Brand	Philips															
Model	Certaline 60		Certaline 105			Certaline 150			Primaline 70		Primaline 105			Primaline 150		
Wattage	20 - 60W		35 - 105W			50 - 150W			20 - 70W		35 - 105W			50 - 150W		
Quantity	1 lamp	2 lamps	1 lamp	2 lamps	3 lamps	2 lamps	3 lamps	4 lamps	1 lamp	2 lamps	1 lamp	2 lamps	3 lamps	2 lamps	3 lamps	4 lamps
Mode	TE		TE			TE			LE & TE		LE & TE			LE & TE		

Dimmer	Brand	Model	Watt
Dimmer	Busch Jaeger	6513 U-102	40 - 420W
	Gira	I176	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

Without Dimmer	Pass	Pass	Pass	Pass	N.A.	N.A.	N.A.	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
TE	flicker	40%-90%	56%-99%	52%-99%	50%-99%	N.A.	N.A.	N.A.	40%-90%	40%-90%	40%-90%	40%-90%	40%-90%	30%-90%	30%-90%	30%-90%
UNI	42-99%	40-99%	53%-100%	50%-100%	50%-100%	N.A.	N.A.	N.A.	53%-98%	53%-98%	can't start up	20%-90%	20%-90%	30%-90%	30%-90%	30%-90%
TE	59%-99%	50%-99%	41-94%	40-95%	38-96%	N.A.	N.A.	N.A.	40%-95%	40%-95%	40%-95%	40%-95%	40%-95%	19%-98%	19%-98%	19%-98%
LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	40%-95%	flicker	5%-90%	5%-90%	5%-95%	5%-95%	5%-95%
LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker (<10% position)	5%-90%	flicker	5%-95%	5%-95%	10%-90%	10%-90%	10%-90%
LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	10%-90%	10%-90%	18%-99%	18%-99%	18%-99%	19%-99%	19%-99%	19%-99%
LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	flicker	flicker	flicker	5%-95%			
LE	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	flicker	flicker	flicker	5%-95%			
LE	can't start up	N.A.	can't dim	N.A.	N.A.	N.A.	N.A.	N.A.	flicker	N.A.	flicker	N.A.	N.A.			
TE	flicker at max position	5%-65%	flicker	5%-93%	5%-95%	N.A.	N.A.	N.A.	flicker	5%-90%	flicker	5%-90%	5%-90%	10%-90%	10%-90%	10%-90%

Transformer													
Brand	Varilight			OSRAM								Tridonic	
Model	YT50	YT70Z		HTM 70		HTM 105			HTM 150			VIPER	
Wattage	0 - 50W		0 - 70W	20 - 70W		35 - 105W			50 - 150W			20 - 60W	
Quantity	1 lamp	1 lamp	2 lamp	1 lamp	2 lamps	1 lamp	2 lamps	3 lamps	2 lamps	3 lamps	4 lamps	1 lamp	2 lamps
Mode	LE & TE		LE & TE	LE & TE		LE & TE			LE & TE			LE & TE	

Dimmer	Brand	Model	Watt
Dimmer	Busch Jaeger	6513 U-102	40 - 420W
	Gira	I176	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

Without Dimmer	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
TE	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%
UNI	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%
TE	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%
LE	5%-95%	5%-95%	5%-95%	flicker	15%-90%	flicker	15%-80%	15%-80%	10%-90%	10%-90%	10%-90%	5%-95%	5%-95%
LE	flicker	10%-90%	10%-90%	flicker	10%-95%	40-81%	40-81%	40-81%	10%-90%	10%-90%	10%-90%	5%-90%	5%-90%
LE	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%
LE	flicker	flicker	5%-95%	flicker	5%-95%	flicker	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	flicker	5%-95%
LE	flicker	flicker	5%-95%	flicker	5%-95%	flicker	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%	flicker	5%-95%
LE	flicker	N.A.	N.A.	flicker	N.A.	flicker	N.A.	N.A.	10%-90%	N.A.	N.A.	flicker	N.A.
TE	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%

# Consumer 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
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LED capsule 20W G4 DIM

Brand	Transformer													
	Philips						Varilight		ELT	OSRAM			Tridonic	
Model	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	
<b>Wattage</b>	20 - 60W	35 - 105W	50 - 150W	20 - 70W	35 - 105W	50 - 150W	0 - 70W	20 - 70W		20 - 70W	35 - 105W	50 - 150W	20 - 60W	
<b>Quantity</b>	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	
<b>Mode</b>	TE	TE	TE	LE & TE	LE & TE	LE & TE	LE & TE	LE & TE		LE & TE	LE & TE	LE & TE	LE & TE	

Dimmer	Brand	Model	Without Dimmer	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	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	Gira	1176	50 - 420W	TE	45%-90%	turn max flicker	50%-90%	45%-90%	turn max flicker	40%-90%	40%-90%	40%-90%	30%-90%	38%-100%	42%-99%	41%-99%	44%-99%
	Merten (Schneider)	5771	20 - 315W	UNI	30%-90%	turn min flicker	cannot startup	30%-90%	cannot startup	turn min flicker	30%-90%	30%-90%	30%-90%	turn min flicker	turn min flicker	cannot startup	30%-90%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	TE	40%-70%	40%-70%	50%-70%	40%-70%	flicker	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%	40%-70%
	Insta Group (Berker)	283010	60 - 400W	LE	30%-90%	40% flicker	30%-90%	flicker	flicker	flicker	30%-90%	30%-90%	flicker	40%-70%	40%-70%	flicker	flicker
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	LE	20%-90%	turn min flicker	20%-90%	flicker	flicker	flicker	20%-90%	20%-90%	turn max flicker	10%-90%	10%-90%	cannot startup	10%-90%
	Legrand	67081	40 - 300W	LE	50%-90%	50%-90%	50%-90%	max flicker	max flicker	50%-90%	50%-90%	50%-90%	turn min flicker	20%-90%	20%-90%	flicker	10%-90%
	Legrand	067082	40 - 600W	LE	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
	Legrand (Bticino)	L4407	60 - 250W	LE	cannot dimming	cannot dimming	turn min flicker	flicker	flicker	flicker	30%-90%	30%-90%	N.A.	20%-90%	20%-90%	flicker	30%-90%
	Schneider Electric	315GLE	20 - 315W	TE	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
				TE	turn max flicker	turn max flicker	turn fast to max flicker	max flicker	max flicker	40%-70%	40%-70%	40%-70%	N.A.	40%-70%	40%-70%	flicker	40%-70%

### General notes

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.



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Data subject to change.

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