

July 2019

Consumer LED Low Voltage range



Recommended Low Voltage dimmer list

KEY

X - Y	Transformer is compatible with x - y lamp
a% - b%	The dimrange is from a% - b%
	Transformer is compatible but will not work according claimed specifications under all conditions
	Transformer is not compatible and therefore will not comply according claimed specifications.
N.A.	Transformer lamp combination not applicable/relevant
	Transformer lamp combination not tested

This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab conditions and might contain faults



Transformer												
Philips					Varilight		ELT	OSRAM			Tridonic	
Certainline 60	Certainline 105	Certainline 150	Primaline 105	Primaline 150	YT50	YT50	TCE 6/23-E	HTM 105	HTM 105	HTM 150	VIPER	

Dimmer	Brand	Model	Power Range	Certainline 60	Certainline 105	Certainline 150	Primaline 105	Primaline 150	YT50	YT50	TCE 6/23-E	HTM 105	HTM 105	HTM 150	VIPER	
	Busch Jaeger	6513 U-102	40 - 420W	1 >40%	1 >40%	1 >40%	flicker	1 >40%	1 >40%	1 >40%	1 >40%	1	1	1 >50%	1 >40%	
	Gira	1176	50 - 420W	1	flicker	1	1	1 >40%	1	1	1	1	1	1	1	
	Merten (Schneider)	5771	20 - 315W	1 >50%	1 >50%		1 >50%	1 >50%	1 >50%	1 >50%	1	1 >40%	1 >40%	1 >40%	1 >40%	
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	1	
	Insta Group (Berker)	283010	60 - 400W	1	1	1	1	1	1	1	flicker	1	1	1	flicker	
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	1	1	1	1	1	1	1	1	1	1	1	1	
	Legrand	067081	40 - 300W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	1
	Legrand	067082	40 - 600W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	1
	Legrand	067084	40 - 300W	1	flicker	1	flicker	1	1	1	flicker	1	1	flicker	1	
Legrand (Bticino)	L4407	60 - 250W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	
Schneider Electric	315GLE	20 - 315W	1	1	1	1	1	1	1	flicker	1	1	flicker	1		



Transformer												
Philips					Varilight		ELT	OSRAM			Tridonic	
Certainline 60	Certainline 105	Certainline 150	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER

Dimmer	Brand	Model	Power Range	Certainline 60	Certainline 105	Certainline 150	Primaline 70	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER	
	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	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	flicker	flicker	flicker
	Legrand	067082	40 - 600W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
	Legrand	067084	40 - 300W	flicker			flicker	flicker	flicker	flicker	flicker	flicker				flicker	
Legrand (Bticino)	L4407	60 - 250W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
Schneider Electric	315GLE	20 - 315W													flicker		



Transformer												
Philips					Varilight		ELT	OSRAM			TRIDONIC	
Certainle 60	Certainle 105	Certainle 150	Primaline 105	Primaline 150	YT50	TCE 6/23-E	HTM 105	HTM 150	VIPER			

Dimmer	Brand	Model	Power	Certainle 60	Certainle 105	Certainle 150	Primaline 105	Primaline 150	YT50	TCE 6/23-E	HTM 105	HTM 150	VIPER
	Busch Jaeger	6513 U-102	40 - 420W	50%-90%	50%-90%	60%-90%	50%-90%	50%-90%	40%-90%	40%-90%	40%-90%	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%-90%	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%	20%-90%	flicker	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%	20%-90%	10%-90%	10%-90%
	Legrand	067081	40 - 300W	flicker	30%-90%	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%	20%-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 (Bicino)	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%	



Transformer													
Philips					Varilight		ELT	OSRAM			Tridonic		
Certainle 60	Certainle 105	Certainle 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER		

Dimmer	Brand	Model	Power	Certainle 60	Certainle 105	Certainle 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER	
	Busch Jaeger	6513 U-102	40 - 420W	1	1	1	1	1	1	1	1	1	1	1	flicker	1
	Gira	1176	50 - 420W	1	1	1	1	flicker	1	1	1	1	1	1	flicker	1
	Merten (Schneider)	5771	20 - 315W	1	1	1	1	1	1	1	1	1	1	1	flicker	1
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	1
	Insta Group (Berker)	283010	60 - 400W	1	1	1	1	flicker	1	1	flicker	1	1	1	flicker	1
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	1	1	1	1	1	1	1	1	1	1	1	flicker	1
	Legrand	067081	40 - 300W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	1
	Legrand	067082	40 - 600W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	1
	Legrand	067084	40 - 300W	flicker	1	1	flicker	flicker	flicker	flicker	flicker	1	1	1	flicker	1
	Legrand (Bicino)	L4407	60 - 250W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
Schneider Electric	315GLE	20 - 315W	1	1	1	1	1	1	1	1	1	1	1	flicker	1	



Transformer													
Philips					Varilight		ELT	OSRAM			Tridonic		
Certainle 60	Certainle 105	Certainle 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER		

Dimmer	Brand	Model	Power	Certainle 60	Certainle 105	Certainle 150	Primaline 105	Primaline 150	YT50	YT70	TCE 6/23-E	HTM 70	HTM 105	HTM 150	VIPER
	Busch Jaeger	6513 U-102	40 - 420W	1 - 6 45%-90%	flicker	1 - 15 50%-90%	flicker	1 - 15 40%-90%	1 - 7 40%-90%	1 - 7 40%-90%	1 - 6 30%-90%	1 - 7 38%-100%	1 - 10 42%-99%	1 - 15 41%-99%	1 - 6 44%-99%
	Gira	1176	50 - 420W	1 - 6 30%-90%	flicker	cannot startup	cannot startup	flicker	1 - 7 30%-90%	1 - 7 30%-90%	1 - 6 30%-90%	flicker	flicker	cannot startup	1 - 6 30%-90%
	Merten (Schneider)	5771	20 - 315W	1 - 6 40%-70%	1 - 10 40%-70%	1 - 15 50%-70%	flicker	1 - 15 40%-70%	1 - 7 40%-70%	1 - 7 40%-70%	1 - 6 40%-70%	1 - 7 40%-70%	1 - 10 40%-70%	1 - 15 40%-70%	1 - 6 40%-70%
	Doyle & Tratt (Varilight)	HQ3W	60 - 400W	1 - 6 30%-90%	flicker	1 - 15 30%-90%	flicker	flicker	1 - 7 30%-90%	1 - 7 30%-90%	flicker	1 - 7 40%-70%	1 - 10 40%-70%	flicker	flicker
	Insta Group (Berker)	283010	60 - 400W	1 - 6 20%-90%	flicker	1 - 15 20%-90%	flicker	flicker	1 - 7 20%-90%	1 - 7 20%-90%	flicker	1 - 7 10%-90%	1 - 10 10%-90%	cannot startup	1 - 6 10%-90%
	Insta Group (Berker/ Insta)	286710/51190	20 - 360W	1 - 6 50%-90%	1 - 10 50%-90%	1 - 15 50%-90%	flicker	1 - 15 50%-90%	1 - 7 50%-90%	1 - 7 50%-90%	flicker	1 - 7 20%-90%	1 - 10 20%-90%	flicker	1 - 6 10%-90%
	Legrand	67081	40 - 300W	flicker	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	flicker
	Legrand	067084	40 - 300W	cannot dim	cannot dim	turn min flicker	flicker	flicker	30%-90%	30%-90%	N.A.	20%-90%	20%-90%	flicker	30%-90%
	Legrand (Bicino)	L4407	60 - 250W	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker	flicker
Schneider Electric	315GLE	20 - 315W	flicker	flicker	flicker	flicker	1 - 15 40%-70%	40%-70%	40%-70%	N.A.	40%-70%	40%-70%	flicker	40%-70%	

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 Signify. The compatibility can therefore be different from above
 If your ET is not on the list, please consult your local Signify supplier

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