July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

Brand	Type	Type	Load	LED bulbs															
				E27 6W - 40W clear 6W - 40W frosted Dimmable WarmGlow			E27 9W - 60W clear 9W - 60W frosted Dimmable WarmGlow			E27 60W A60 Dimmable Warmglow			E27 6 - 40W CRI80 A60 Warmglow			E27 9 - 60W CRI80 A60 Warmglow		
													NEW			NEW		
				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	87% ~ 3%		1-3	98% ~ 4%		1-3	90% ~ 3%		1-3	98% ~ 8%		1-3	94% ~ 7%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 3%		1-3	94% ~ 3%		1-3	98% ~ 7%		1-3	96% ~ 5%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.					N.A.	N.A.		N.A.	N.A.
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	93% ~ 3%		1-3	94% ~ 5%		1-3	96% ~ 3%		1-3	97% ~ 19%		1-3	94% ~ 9%	
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 3%		1-3	93% ~ 3%		1-3	99% ~ 3%		1-3	95% ~ 3%	
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	92% ~ 3%		1-3	95% ~ 3%		1-3	97% ~ 3%		1-3	97% ~ 3%		1-3	97% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	94% ~ 8%		1-3	96% ~ 5%		1-3	96% ~ 3%		1-3	98% ~ 7%		1-3	95% ~ 6%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	86% ~ 3%		1-3	89% ~ 3%		1-3	92% ~ 3%		1-3	83% ~ 3%		1-3	89% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				1-3	83% ~ 3%		1-3	89% ~ 3%	
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	91% ~ 4%		1-3	88% ~ 5%					1-3	88% ~ 10%		1-3	97% ~ 6%	
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	94% ~ 4%			N.A.	N.A.	2-3	93% ~ 8%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	92% ~ 3%		1-3	98% ~ 3%		1-3	94% ~ 2%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	89% ~ 3%		1-3	95% ~ 3%		1-3	95% ~ 3%			N.A.	N.A.		N.A.	N.A.
Eltako	EVD61NPN-UC		400W 3-wire Push Module	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				1-3	98% ~ 6%		1-3	99% ~ 3%	
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	94% ~ 4%			N.A.	N.A.	2-3	93% ~ 8%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W							1-3	92% ~ 3%		1-3	98% ~ 3%		1-3	94% ~ 2%	
Feller| Schneider	40420 (SBD420)	[RLC]	420W							1-3	95% ~ 3%			N.A.	N.A.		N.A.	N.A.
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 5%		1-3	88% ~ 5%					1-3	99% ~ 19%			N.A.	N.A.
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	1-3	86% ~ 3%		1-3	91% ~ 3%		1-3	92% ~ 3%		1-3	97% ~ 31%		1-3	95% ~ 17%	
Hager	EVN 011	[RC]	300VA	1-3	98% ~ 3%		1-3	93% ~ 3%					1-3	98% ~ 8%		1-3	99% ~ 7%	
Hager	EVN 012	[RC]	300W	1-3	98% ~ 3%		1-3	93% ~ 3%					1-3	98% ~ 12%		1-3	99% ~ 6%	
Hager	EVN 004	[RL]	500VA	1-3	98% ~ 3%		1-3	93% ~ 3%					1-3	99% ~ 13%		1-3	99% ~ 6%	
INSTA	1176	[RLC]	50 ~ 420W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.									
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	93% ~ 3%		1-3	96% ~ 5%		1-3	92% ~ 3%		1-3	98% ~ 9%		1-3	96% ~ 8%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	87% ~ 7%		1-3	91% ~ 7%		1-3	92% ~ 7%		1-3	97% ~ 4%				
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W	1-3	82% ~ 4%		1-3	83% ~ 5%						N.A.	N.A.	1-3	89% ~ 8%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				2-3	96% ~ 8%		1-3	96% ~ 4%	
Legrand	774161	[RL]	40 ~ 400 W - Turn			N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2-3	96% ~ 5%	
Legrand	78401	[RLC]	40 ~ 500W	1-3	96% ~ 3%		1-3	93% ~ 3%					1-3	98% ~ 7%		1-3	97% ~ 4%	
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2-3	97% ~ 5%	
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3	98% ~ 5%		2-3	97% ~ 5%	
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.	1-3	90% ~ 3%						N.A.	N.A.	1-2	89% ~ 3%	
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	95% ~ 3%		1-3	95% ~ 3%		1-3	94% ~ 3%		2-3	99% ~ 6%		1-3	98% ~ 6%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	88% ~ 17%		1-3	95% ~ 3%		1-3	97% ~ 3%		1-3	99% ~ 3%		1-3	96% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W		N.A.	N.A.	2-3	83% ~ 5%					2-3	97% ~ 13%		2-3	89% ~ 6%	
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	94% ~ 4%			N.A.	N.A.	2-3	93% ~ 8%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	92% ~ 3%		1-3	98% ~ 3%		1-3	94% ~ 2%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	89% ~ 3%		1-3	95% ~ 3%		1-3	95% ~ 3%			N.A.	N.A.		N.A.	N.A.
MK - Electric	K1535	[R]	65 ~ 450 W - Turn		N.A.	N.A.	1-3	80% ~ 3%		1-3	80% ~ 3%		1-3	99% ~ 6%		1-3	84% ~ 5%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	85% ~ 3%		1-3	90% ~ 3%		1-3	88% ~ 3%		1-3	97% ~ 6%		1-3	90% ~ 5%	
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	88% ~ 3%		1-3	83% ~ 3%					1-3	96% ~ 7%		1-3	90% ~ 3%	
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	88% ~ 3%		1-3	85% ~ 3%					1-3	95% ~ 7%		1-3	90% ~ 3%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6~60W	1-3	88% ~ 4%		1-3	83% ~ 5%					1-3	98% ~ 21%		1-3	92% ~ 3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	86% ~ 3%		1-3	89% ~ 3%		1-3	92% ~ 3%		1-3	83% ~ 3%		1-3	89% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W										1-3	96% ~ 4%		1-2	99% ~ 9%	
RELCO	RM0545	[LED]	4 - 100W										1-3	98% ~ 8%		1-2	95% ~ 4%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	92% ~ 3%		1-3	98% ~ 3%		1-3	94% ~ 2%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	92% ~ 3%		1-3	98% ~ 3%		1-3	94% ~ 2%	
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	94% ~ 4%			N.A.	N.A.	2-3	93% ~ 8%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	93% ~ 3%		1-3	90% ~ 4%		1-3	92% ~ 3%		1-3	98% ~ 3%		1-3	94% ~ 2%	
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	91% ~ 5%		1-3	85% ~ 5%					1-3	99% ~ 25%		1-3	94% ~ 8%	
VADSBO	DRS 315	[RC]	50 ~ 315W		N.A.	N.A.	1-3	93% ~ 3%	<2					N.A.	N.A.		N.A.	N.A.
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	88% ~ 3%	<4	1-3	83% ~ 3%	<4				1-3	96% ~ 6%		1-3	90% ~ 3%	
Varilight	HQ3W	[R]	60 - 400W	1-3	92% ~ 3%		1-3	99% ~ 3%		1-3	93% ~ 3%		1-3	96% ~ 4%		1-3	96% ~ 3%	
Varilight	ICT401 M	[RC]	20 - 400W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				1-3	97% ~ 3%		1-3	88% ~ 2%	
Vimar	20148	[RL]	500W		N.A.	N.A.		N.A.	N.A.	1-3	96% ~ 3%	<2	1-3	97% ~ 5%	<3	1-3	96% ~ 4%	<2
Vimar	14153	[R]		1-3	98% ~ 3%		1-3	98% ~ 3%					2-3	98% ~ 3%		1-3	95% ~ 6%	
Vimar	20160	[RC]			N.A.	N.A.	1-3	93% ~ 3%	<4				2-3	95% ~ 3%	<2	1-3	96% ~ 3%	<2
Vimar	20162	[RL]	40 ~ 300W		N.A.	N.A.		N.A.	N.A.	1-3	93% ~ 3%	<2	1-3	98% ~ 7%	<3	1-3	95% ~ 9%	<2
IKEA	E0902 - Dim	[R]	25 ~ 150W	1-3	91% ~ 1%		1-3	93% ~ 1%		1-3	93% ~ 3%		1-3	97% ~ 7%		1-3	96% ~ 5%	

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				LED bulbs								
				E27 13 - 75W CRI80 A60 Warmglow			E27 17 - 100W CRI80 A67 Warmglow			E27 6-40 W Dimmable		
				NEW			NEW					
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	91% ~ 10%		1-3	83% ~ 7%		1-3	94% ~ 3%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	76% ~ 7%		1-3	88% ~ 8%		1-3	96% ~ 3%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.	1-3	74% ~ 8%	<2		N.A.	N.A.
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	77% ~ 12%		1-3	88% ~ 12%		1-3	98% ~ 9%	
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	75% ~ 3%		1-3	90% ~ 4%			N.A.	N.A.
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	79% ~ 2%		1-3	91% ~ 3%		1-3	99% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	75% ~ 7%		1-3	89% ~ 7%			98% ~ 5%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	88% ~ 3%		1-3	86% ~ 3%		1-3	94% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)							t.b.d.	t.b.d.	t.b.d.
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	95% ~ 8%		1-3	95% ~ 8%		1-3	91% ~ 13%	
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	77% ~ 9%		1-3	84% ~ 9%		3	91% ~ 3%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	89% ~ 3%		1-3	84% ~ 3%		1-3	93% ~ 3%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	77% ~ 5%		1-3	86% ~ 5%		1-3	91% ~ 3%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	1-3	99% ~ 6%		1-3	99% ~ 4%		t.b.d.	t.b.d.	t.b.d.
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	77% ~ 9%		1-3	84% ~ 9%		3	91% ~ 3%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W	1-3	89% ~ 3%		1-3	84% ~ 3%				
Feller| Schneider	40420 (SBD420)	[RLC]	420W	1-3	77% ~ 5%		1-3	86% ~ 5%				
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	95% ~ 14%		1-3	92% ~ 12%		1-3	93% ~ 15%	
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	1-3	69% ~ 16%		1-3	84% ~ 18%		1-3	94% ~ 3%	
Hager	EVN 011	[RC]	300VA	1-3	96% ~ 11%		1-3	97% ~ 6%		1-3	97% ~ 3%	
Hager	EVN 012	[RC]	300W	1-3	96% ~ 11%		1-3	99% ~ 9%		1-3	97% ~ 3%	
Hager	EVN 004	[RL]	500VA	1-3	98%10%		1-3	99%10%		1-3	97% ~ 3%	
INSTA	1176	[RLC]	50 ~ 420W							t.b.d.	t.b.d.	t.b.d.
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	90% ~ 11%		1-3	85% ~ 8%		1-3	92% ~ 8%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	90% ~ 6%		1-3	84% ~ 4%		1-3	95% ~ 3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W	1-2	79% ~ 15%		1	82% ~ 16%		1-3	84% ~ 12%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	1-3	96% ~ 7%		1-3	84% ~ 7%		t.b.d.	t.b.d.	t.b.d.
Legrand	774161	[RL]	40 ~ 400 W - Turn	2-3	78% ~ 5%		2-3	92% ~ 6%			N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	1-3	96% ~ 7%		1-3	91% ~ 6%		1-3	93% ~ 3%	
Legrand	67081	[RL]	40 ~ 400 W - Turn	2-3	77% ~ 5%		1-3	94% ~ 7%			N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn	2-3	75% ~ 5%		2-3	90% ~ 6%			N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W	1	85% ~ 4%		1-3	79% ~ 4%			N.A.	N.A.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	76% ~ 5%		1-3	91% ~ 6%			98% ~ 3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	79% ~ 3%		1-3	93% ~ 3%			96% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W	2-3	85% ~ 13%		1-3	81% ~ 11%			N.A.	N.A.
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	77% ~ 9%		1-3	84% ~ 9%		3	91% ~ 3%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	89% ~ 3%		1-3	84% ~ 3%		1-3	93% ~ 3%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	77% ~ 5%		1-3	86% ~ 5%		1-3	91% ~ 3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	66% ~ 7%		1-3	75% ~ 7%		1-3	82% ~ 3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	71% ~ 6%		1-3	81% ~ 6%		1-3	89% ~ 3%	
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	84% ~ 7%		1-3	87% ~ 7%		1-3	87% ~ 3%	
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	87% ~ 7%		1-3	87% ~ 7%		1-3	87% ~ 3%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6-60W	1-3	82% ~ 5%		1	85% ~ 5%		1-3	85% ~ 12%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	88% ~ 3%		1-3	86% ~ 3%		1-3	94% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W	1-2	99% ~ 14%		1	98% ~ 17%				
RELCO	RM0545	[LED]	4 - 100W	1-2	90% ~ 6%		1	89% ~ 6%				
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	89% ~ 3%		1-3	84% ~ 3%		1-3	93% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	89% ~ 3%		1-3	84% ~ 3%		1-3	93% ~ 3%	
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	1-3	77% ~ 9%		1-3	84% ~ 9%		3	91% ~ 3%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	89% ~ 3%		1-3	84% ~ 3%		1-3	93% ~ 3%	
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	87% ~ 13%		1-3	82% ~ 11%		1-3	89% ~ 16%	
VADSBO	DRS 315	[RC]	50 ~ 315W	1-3	92% ~ 9%	<4	1-3	94% ~ 8%	<4	1-3	92% ~ 3%	
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	85% ~ 5%	<4	1-3	79% ~ 4%	<4	1-3	87% ~ 3%	
Varilight	HQ3W	[R]	60 - 400W	1-3	74% ~ 5%		1-3	87% ~ 5%		1-3	95% ~ 3%	
Varilight	ICT401 M	[RC]	20 - 400W	1-3	83% ~ 7%		1-3	91% ~ 3%		t.b.d.	t.b.d.	t.b.d.
Vimar	20148	[RL]	500W	1-2	78% ~ 5%	<4	1-3	89% ~ 6%	<4		N.A.	N.A.
Vimar	14153	[R]		1-3	97% ~ 3%		1-3	98% ~ 3%		1-3	99% ~ 3%	
Vimar	20160	[RC]		1-3	96% ~ 4%	<4	1-3	88% ~ 4%	<4		N.A.	N.A.
Vimar	20162	[RL]	40 ~ 300W	1-2	75% ~ 5%	<4	1-3	87% ~ 5%	<4	1-3	95% ~ 5%	
IKEA	E0902 - Dim	[R]	25 ~ 150W	1-3	79% ~ 7%		1-2	90% ~ 8%		1-3	96% ~ 2%	

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				LED bulbs								
				E27 9.5-60 W Dimmable			E27 11.5-75 W Dimmable			E27 16-100 W Dimmable		
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	95% ~ 3%		1-3	90% ~ 10%	t.b.d.	1-3	91% ~ 9%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	92% ~ 11%		1-3	94% ~ 12%			N.A.	N.A.
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	94% ~ 15%		1-3	92% ~ 24%		1-3	94% ~ 25%	
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	95% ~ 3%		1-3	94% ~ 3%		1-3	94% ~ 3%	
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	92% ~ 3%		1-3	96% ~ 3%		1-3	94% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn		92% ~ 4%		1-3	92% ~ 10%		1-3	93% ~ 9%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	94% ~ 3%		1-3	82% ~ 3%		1-3	90% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	92% ~ 19%		1-3	88% ~ 23%		1-3	91% ~ 25%	
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	91% ~ 7%		1-3	88% ~ 13%		1-3	90% ~ 13%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	98% ~ 3%		1-3	88% ~ 3%		1-3	90% ~ 3%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	94% ~ 3%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	91% ~ 7%		1-3	88% ~ 13%		1-3	90% ~ 13%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W									
Feller| Schneider	40420 (SBD420)	[RLC]	420W									
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 13%		1-3	92% ~ 20%		1-3	93% ~ 19%	
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	1-3	99% ~ 3%		1-3	90% ~ 3%		1-3	91% ~ 3%	
Hager	EVN 011	[RC]	300VA	1-3	97% ~ 3%		1-3	97% ~ 3%		1-3	96% ~ 4%	
Hager	EVN 012	[RC]	300W	1-3	97% ~ 3%		1-3	95% ~ 3%		1-3	95% ~ 4%	
Hager	EVN 004	[RL]	500VA	1-3	97% ~ 3%		1-3	97% ~ 5%		1-3	98% ~ 4%	
INSTA	1176	[RLC]	50 ~ 420W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	93% ~ 7%		1-3	90% ~ 10%		1-3	91% ~ 11%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	93% ~ 3%		1-3	90% ~ 28%		1-3	91% ~ 26%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W	1-3	87% ~ 20%		1-3	83% ~ 25%		1-3	85% ~ 23%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	1-3	93% ~ 3%		1-3	92% ~ 5%		1-3	94% ~ 5%	
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)		92% ~ 3%		1-3	92% ~ 5%		1-3	92% ~ 5%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)		97% ~ 3%		1-3	94% ~ 3%		1-3	94% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W	2-3	87% ~ 11%		1-3	85% ~ 17%		1-3	85% ~ 16%	
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	91% ~ 7%		1-3	88% ~ 13%		1-3	90% ~ 13%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	98% ~ 3%		1-3	88% ~ 3%		1-3	90% ~ 3%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	94% ~ 3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	84% ~ 6%		1-3	82% ~ 10%		1-3	83% ~ 9%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	92% ~ 3%		1-3	78% ~ 8%		1-3	88% ~ 8%	
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	88% ~ 3%		1-3	78% ~ 8%		1-3	88% ~ 8%	
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	87% ~ 3%		1-3	78% ~ 8%		1-3	88% ~ 8%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6-60W	1-3	89% ~ 27%		1-3	88% ~ 28%		1-3	88% ~ 28%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	94% ~ 3%		1-3	82% ~ 3%		1-3	90% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W									
RELCO	RM0545	[LED]	4 - 100W									
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	98% ~ 3%		1-3	88% ~ 3%		1-3	90% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	98% ~ 3%		1-3	88% ~ 3%		1-3	90% ~ 3%	
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	1-3	91% ~ 7%		1-3	88% ~ 13%		1-3	90% ~ 13%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	98% ~ 3%		1-3	88% ~ 3%		1-3	90% ~ 3%	
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	85% ~ 11%		1-3	85% ~ 17%		1-3	83% ~ 15%	
VADSBO	DRS 315	[RC]	50 ~ 315W	1-3	92% ~ 3%		1-3	90% ~ 7%		1-3	91% ~ 6%	
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	83% ~ 3%		1-3	80% ~ 3%		1-3	80% ~ 3%	
Varilight	HQ3W	[R]	60 - 400W	1-3	95% ~ 3%		1-3	94% ~ 3%		1-3	93% ~ 3%	
Varilight	ICT401 M	[RC]	20 - 400W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Vimar	20148	[RL]	500W	1-3	94% ~ 3%		1-3	94% ~ 7%		1-3	94% ~ 6%	
Vimar	14153	[R]		1-3	99% ~ 3%		1-3	97% ~ 3%		1-3	98% ~ 3%	
Vimar	20160	[RC]		1-3	92% ~ 3%		1-3	90% ~ 3%		1-3	91% ~ 3%	
Vimar	20162	[RL]	40 ~ 300W	1-3	88% ~ 3%		1-3	88% ~ 3%		1-3	91% ~ 3%	
IKEA	E0902 - Dim	[R]	25 ~ 150W	1-3	95% ~ 10%		1-3	92% ~ 12%	t.b.d.	1-2	94% ~ 9%	

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				Classic LED bulbs											
				E27 A60 4.5W - 40W WarmGlow			E27 A60 7.5W - 60W WarmGlow			E27 A60 7.5W - 48W Gold / A60 7.5W - 60W Dimmable			E27 48W A60 gold / 50W ST64 gold / 50W G120 gold 40W A60 CL / 60W A60 CL / 40W A60 WGD 60W A60 WGD / 60W ST64 WGD / 60W ST64 CL		
													NEW		
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	87% ~ 3%		1-3	98% ~ 4%		1-3	89% ~ 3%		1-3	98% ~ 3%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 3%		1	92% ~ 3%		2-3	97% ~ 3%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.			
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	93% ~ 3%		1-3	94% ~ 5%		1-3	93% ~ 3%		1-3	98% ~ 8%	
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 3%		1-3	92% ~ 3%		1-3	98% ~ 3%	
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	92% ~ 3%		1-3	95% ~ 3%		1-3	93% ~ 3%		1-3	97% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	94% ~ 8%		1-3	96% ~ 5%		1-3	93% ~ 3%		1-3	99% ~ 3%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	86% ~ 3%		1-3	89% ~ 3%		1-3	88% ~ 3%		1-3	97% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.						
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	91% ~ 4%		1-3	88% ~ 5%		1-3	97% ~ 3%				
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	90% ~ 4%		2-3	99% ~ 3%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	90% ~ 3%		2-3	98% ~ 3%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	89% ~ 3%		1-3	95% ~ 3%		2-3	93% ~ 3%			N.A.	N.A.
Eltako	EVD61NPN-UC		400W 3-wire Push Module	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	1-3	99% ~ 3%				
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	90% ~ 4%		2-3	99% ~ 3%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W										2-3	98% ~ 3%	
Feller| Schneider	40420 (SBD420)	[RLC]	420W											N.A.	N.A.
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 5%		1-3	88% ~ 5%		1-3	96% ~ 13%				
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	1-3	86% ~ 3%		1-3	91% ~ 3%		1-3	89% ~ 3%				
Hager	EVN 011	[RC]	300VA	1-3	98% ~ 3%		1-3	93% ~ 3%		1-3	99% ~ 3%				
Hager	EVN 012	[RC]	300W	1-3	98% ~ 3%		1-3	93% ~ 3%		1-3	98% ~ 4%				
Hager	EVN 004	[RL]	500VA	1-3	98% ~ 3%		1-3	93% ~ 3%		1-3	99% ~ 4%				
INSTA	1176	[RLC]	50 ~ 420W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.						
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	93% ~ 3%		1-3	96% ~ 5%		1-3	90% ~ 4%		1-3	98% ~ 3%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	87% ~ 7%		1-3	91% ~ 7%		1-3	90% ~ 3%		1-3	97% ~ 3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W	1-3	82% ~ 4%		1-3	83% ~ 5%		1-3	86% ~ 11%				
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	1-3	93% ~ 3%				
Legrand	774161	[RL]	40 ~ 400 W - Turn			N.A.		N.A.	N.A.	2-3	93% ~ 3%		2-3	98% ~ 3%	
Legrand	78401	[RLC]	40 ~ 500W	1-3	96% ~ 3%		1-3	93% ~ 3%		1-3	96% ~ 3%				
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2-3	97% ~ 3%	
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.	1-3	90% ~ 3%		1-3	87% ~ 3%				
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	95% ~ 3%		1-3	95% ~ 3%		1-3	93% ~ 3%		1-3	97% ~ 3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	88% ~ 17%		1-3	95% ~ 3%		1-3	95% ~ 3%		1-3	97% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W		N.A.	N.A.	2-3	83% ~ 5%		1-3	87% ~ 5%				
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	90% ~ 4%		2-3	99% ~ 3%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	90% ~ 3%		2-3	98% ~ 3%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	89% ~ 3%		1-3	95% ~ 3%		2-3	93% ~ 3%			N.A.	N.A.
MK - Electric	K1535	[R]	65 ~ 450 W - Turn		N.A.	N.A.	1-3	80% ~ 3%		1-3	81% ~ 3%		2-3	93% ~ 3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	85% ~ 3%		1-3	90% ~ 3%		1-3	86% ~ 3%		1-3	98% ~ 3%	
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	88% ~ 3%		1-3	83% ~ 3%		1-3	88% ~ 3%				
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	88% ~ 3%		1-3	85% ~ 3%		1-3	88% ~ 3%				
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6-60W	1-3	88% ~ 4%		1-3	83% ~ 5%		1-3	87% ~ 3%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	86% ~ 3%		1-3	89% ~ 3%		1-3	88% ~ 3%		1-3	97% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W												
RELCO	RM0545	[LED]	4 - 100W												
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	90% ~ 3%		2-3	98% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	90% ~ 3%		2-3	98% ~ 3%	
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	90% ~ 4%		2-3	99% ~ 3%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	93% ~ 3%		1-3	90% ~ 4%		1-3	90% ~ 3%		2-3	98% ~ 3%	
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	91% ~ 5%		1-3	85% ~ 5%		1-3	93% ~ 13%				
VADSBO	DRS 315	[RC]	50 ~ 315W		N.A.	N.A.	1-3	93% ~ 3%	<2	1-3	95% ~ 3%				
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	88% ~ 3%	<4	1-3	83% ~ 3%	<4	1-3	88% ~ 3%				
Varilight	HQ3W	[R]	60 - 400W	1-3	92% ~ 3%		1-3	99% ~ 3%		1-3	91% ~ 3%		2-3	97% ~ 3%	
Varilight	ICT401 M	[RC]	20 - 400W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	1-3	87% ~ 3%				
Vimar	20148	[RL]	500W		N.A.	N.A.		N.A.	N.A.	1-3	92% ~ 3%		1-3	98% ~ 3%	
Vimar	14153	[R]		1-3	98% ~ 3%		1-3	98% ~ 3%		1-3	98% ~ 3%				
Vimar	20160	[RC]			N.A.	N.A.	1-3	93% ~ 3%	<4	1-3	94% ~ 3%				
Vimar	20162	[RL]	40 ~ 300W		N.A.	N.A.		N.A.	N.A.	1-3	91% ~ 3%		1-3	98% ~ 3%	
IKEA	E0902 - Dim	[R]	25 ~ 150W	1-3	91% ~ 1%		1-3	93% ~ 1%		1-3	93% ~ 3%		1-3	98% ~ 3%	

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

Disclaimer:

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				LED candle / LED lustre								
				E14/E27 4 - 25W Dimmable WarmGlow			E14 / E27 6 - 40W Dimmable WarmGlow			E14 60W B40 / 40W P48 Dimmable Wamglow		
										NEW		
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	2-18	96% ~ 3%		2-12	93% ~ 3%		2-12	90% ~ 3%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	2-20	89% ~ 3%		2-13	89% ~ 3%				
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.			
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2-20	92% ~ 3%		2-13	92% ~ 3%				
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	2-25	91% ~ 3%		2-17	91% ~ 3%				
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	2-30	88% ~ 3%		2-20	93% ~ 3%		2-15	92% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2-21	94% ~ 3%		2-14	91% ~ 3%		2-14	91% ~ 3%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-20	84% ~ 3%		2-17	83% ~ 3%		2-15	88% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	2-20	88% ~ 7%	<4	2-17	88% ~ 5%	< 6			
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	95% ~ 3%		2-13	92% ~ 3%		2-13	90% ~ 3%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	2-15	88% ~ 3%		2-11	87% ~ 0%		2-11	90% ~ 3%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2-20	91% ~ 3%		2-14	90% ~ 3%		tbd	tbd	tbd
Eltako	EVD61NPN-UC		400W 3-wire Push Module	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.			
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	95% ~ 3%		2-13	92% ~ 3%		2-13	90% ~ 3%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W							2-11	90% ~ 3%	
Feller| Schneider	40420 (SBD420)	[RLC]	420W							tbd	tbd	tbd
GIRA	1176-00/01	[RLC]	50 ~ 420W	2-20	95% ~ 7%	<7	2-14	95% ~ 5%	< 9			
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	2-25	94% ~ 3%		2-17	92% ~ 3%				
Hager	EVN 011	[RC]	300VA		95% ~ 4%	<7	2-10	96% ~ 3%	< 10			
Hager	EVN 012	[RC]	300W		95% ~ 4%	<7	2-10	95% ~ 3%	< 10			
Hager	EVN 004	[RL]	500VA		95% ~ 7%	<7	2-17	96% ~ 4%	< 11			
INSTA	1176	[RLC]	50 ~ 420W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-26	89% ~ 3%		2-18	89% ~ 3%		2-10	89% ~ 3%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-25	93% ~ 4%		2-17	92% ~ 3%		2-15	90% ~ 3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W		78% ~ 7%	<6	2-4	77% ~ 4%	< 5			
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.			
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	78401	[RLC]	40 ~ 500W	2-20	95% ~ 4%	<7	2-13	93% ~ 4%	< 9			
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.		N.A.	N.A.			
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)		N.A.	N.A.		N.A.	N.A.			
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-15	94% ~ 3%		2-10	91% ~ 3%		2-10	95% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W		79% ~ 4%		8-17	79% ~ 4%				
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	95% ~ 3%		2-13	92% ~ 3%		2-13	90% ~ 3%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-15	88% ~ 3%		2-11	87% ~ 3%		2-11	90% ~ 3%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2-20	91% ~ 3%		2-14	90% ~ 3%		tbd	tbd	tbd
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-23	79% ~ 3%		2-15	77% ~ 3%		2-15	80% ~ 3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-25	88% ~ 3%		2-17	87% ~ 3%				
MK - Electric	K4501 WHILV	[RLC]	180W		83% ~ 3%		2-7	82% ~ 3%				
MK - Electric	K4500 WHILV	[RLC]	400W		83% ~ 3%			N.A.	N.A.			
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6-60W		82% ~ 7%		2-4	82% ~ 5%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	84% ~ 3%		2-17	83% ~ 3%		2-15	88% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W									
RELCO	RM0545	[LED]	4 - 100W									
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-15	88% ~ 3%		2-11	87% ~ 3%		2-11	90% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-15	88% ~ 3%		2-11	87% ~ 3%		2-11	90% ~ 3%	
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	2-20	95% ~ 3%		2-13	92% ~ 3%		2-13	90% ~ 3%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-15	88% ~ 3%		2-11	87% ~ 3%		2-11	90% ~ 3%	
VADSBO	ED 350	[RC]	50 ~ 350W	2-18	88% ~ 7%		2-12	84% ~ 4%				
VADSBO	DRS 315	[RC]	50 ~ 315W	4-16	89% ~ 4%		5-11	91% ~ 4%	< 12			
VADSBO	DU 250	[RC]	20 ~ 250W	2-13	86% ~ 3%		2-8	79% ~ 3%	< 8			
Varilight	HQ3W	[R]	60 ~ 400W	2-20	91% ~ 3%		2-13	90% ~ 3%		2-13	90% ~ 3%	
Varilight	ICT401 M	[RC]	20 ~ 400W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				
Vimar	20148	[RL]	500W	6-25	90% ~ 3%	<6	4-17	92% ~ 3%	<4			
Vimar	14153	[R]		2-20	99% ~ 3%		2-17	96% ~ 3%	< 7			
Vimar	20160	[RC]			89% ~ 3%		2-10	89% ~ 3%	< 11			
Vimar	20162	[RL]	40 ~ 300W	6-15	92% ~ 3%	<6	4-10	86% ~ 3%	<4			
IKEA	E0902 - Dim	[R]	25 ~ 150W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				E14 4 - 15W Flame			B35 25W CL B35 40W CL B35 35W Gold		
							NEW		
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	2-20	89% ~ 16%		2-8	99% ~ 3%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	2-20	93% ~ 12%		2-8	99% ~ 3%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.			
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2-20	94% ~ 14%		2-8	99% ~ 12%	
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	2-20	93% ~ 3%		2-8	99% ~ 3%	
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	2-20	94% ~ 3%		3-8	99% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2-20	91% ~ 15%		2-8	99% ~ 3%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-20	88% ~ 3%		2-6	99% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)						
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	2-20	96% ~ 14%				
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	89% ~ 21%		2-8	99% ~ 3%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	2-16	88% ~ 3%		3-8	99% ~ 3%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2-20	94% ~ 5%		3-8	99% ~ 3%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	2-20	99% ~ 5%				
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	89% ~ 21%		2-8	99% ~ 3%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W				3-8	99% ~ 3%	
Feller| Schneider	40420 (SBD420)	[RLC]	420W				3-8	99% ~ 3%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	2-20	98% ~ 29%				
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	2-20	89% ~ 7%		2-8	99% ~ 19%	
Hager	EVN 011	[RC]	300VA	2-15	89% ~ 7%				
Hager	EVN 012	[RC]	300W	2-15	97% ~ 19%				
Hager	EVN 004	[RL]	500VA	2-20	98% ~ 20%				
INSTA	1176	[RLC]	50 ~ 420W						
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-20	91% ~ 19%		2-8	99% ~ 3%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-20	90% ~ 5%		2-8	99% ~ 3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W	2-6	84% ~ 29%				
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer		N.A.	N.A.			
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	3-8	99% ~ 3%	
Legrand	78401	[RLC]	40 ~ 500W	2-20	96% ~ 14%				
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	3-8	99% ~ 3%	
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.	3-8	99% ~ 3%	
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.			
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-20	94% ~ 9%		2-8	99% ~ 3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-20	94% ~ 9%		2-8	99% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W	5-20	84% ~ 21%				
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	89% ~ 21%		2-8	99% ~ 3%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-16	88% ~ 3%		3-8	99% ~ 3%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2-20	94% ~ 5%		3-8	99% ~ 3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-20	80% ~ 11%		3-8	99% ~ 3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	3-20	85% ~ 11%		3-8	99% ~ 3%	
MK - Electric	K4501 WHILV	[RLC]	180W	2-10	86% ~ 10%				
MK - Electric	K4500 WHILV	[RLC]	400W	2-20	87% ~ 10%				
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6~60W	2-6	86% ~ 3%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	88% ~ 3%		2-6	99% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W						
RELCO	RM0545	[LED]	4 - 100W						
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-16	88% ~ 3%		3-8	99% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-16	88% ~ 3%		3-8	99% ~ 3%	
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	2-20	89% ~ 21%		2-8	99% ~ 3%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-16	88% ~ 3%		3-8	99% ~ 3%	
VADSBO	ED 350	[RC]	50 ~ 350W	2-20	89% ~ 25%				
VADSBO	DRS 315	[RC]	50 ~ 315W	10-16	93% ~ 15%				
VADSBO	DU 250	[RC]	20 ~ 250W	2-13	84% ~ 3%				
Varilight	HQ3W	[R]	60 - 400W	2-20	92% ~ 3%		3-8	99% ~ 3%	
Varilight	ICT401 M	[RC]	20 - 400W	2-20	84% ~ 9%				
Vimar	20148	[RL]	500W	2-20	91% ~ 8%		2-8	99% ~ 3%	<2
Vimar	14153	[R]		2-20	99% ~ 3%				
Vimar	20160	[RC]		3-20	93% ~ 3%				
Vimar	20162	[RL]	40 ~ 300W	2-20	89% ~ 11%		2-8	99% ~ 3%	<2
IKEA	E0902 - Dim	[R]	25 ~ 150W	2-8	92% ~ 12%		2-8	99% ~ 3%	

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				Classic LED spot																
				GU10 LED CMN24:MT129U10 WarmGlow			GU10 LED Classic 50W Warmglow			GU10 3.5 - 35W Dimmable			GU10 4.6 - 50W Dimmable			GU10 80W Dim			
				NEW			NEW									NEW				
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing		
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	2-8	94% ~ 8%		2-8	92% ~ 3%		2-20	91% ~ 25%		2-15	85% ~ 19%		2-5	89% ~ 20%			
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	2-8	87% ~ 3%		2-8	93% ~ 3%		2-20	95% ~ 24%		2-15	88% ~ 19%		2-5	93% ~ 20%			
Bticino	L4407	[]	60 ~ 250 W								N.A.	N.A.		N.A.	N.A.					
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2-8	86% ~ 4%		2-8	92% ~ 3%		2-18	93% ~ 19%		2-15	89% ~ 17%		2-5	91% ~ 17%			
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	2-8	86% ~ 3%		2-8	94% ~ 3%		2-20	93% ~ 10%		2-18	97% ~ 6%		2-5	93% ~ 7%			
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	2-8	89% ~ 3%		2-8	94% ~ 3%		2-20	96% ~ 7%		2-20	98% ~ 4%		2-5	95% ~ 4%			
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2-8	96% ~ 4%		2-8	94% ~ 3%		2-20	94% ~ 23%		2-15	87% ~ 20%		2-5	92% ~ 18%			
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-8	89% ~ 3%		2-8	89% ~ 3%		2-20	90% ~ 2%		2-20	93% ~ 17%		2-5	88% ~ 3%			
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)																	
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)							2-20	96% ~ 24%		2-18	96% ~ 18%						
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)		N.A.	N.A.	2-8	92% ~ 3%		2-20	92% ~ 29%		2-15	85% ~ 23%		2-5	90% ~ 24%			
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	3-8	95% ~ 3%		2-8	92% ~ 3%		2-14	91% ~ 6%		2-11	91% ~ 5%		2-5	89% ~ 4%			
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.	3-8	95% ~ 3%		2-19	94% ~ 14%		2-15	97% ~ 13%		2-5	95% ~ 12%			
Eltako	EVD61NPN-UC		400W 3-wire Push Module							2-14	99% ~ 15%	< 19	2-15	99% ~ 14%	< 16					
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)		N.A.	N.A.	2-8	92% ~ 3%		2-20	92% ~ 29%		2-15	85% ~ 23%		2-5	90% ~ 24%			
Feller| Schneider	40300 (SBD315)	[RLC]	300W	3-8	95% ~ 3%		2-8	92% ~ 3%								2-5	89% ~ 4%			
Feller| Schneider	40420 (SBD420)	[RLC]	420W		N.A.	N.A.	3-8	95% ~ 3%								2-5	95% ~ 12%			
GIRA	1176-00/01	[RLC]	50 ~ 420W							2-19	94% ~ 36%		2-15	95% ~ 32%						
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	2-8	91% ~ 3%					2-13	97% ~ 13%		2-18	90% ~ 14%		2-5	88% ~ 36%			
Hager	EVN 011	[RC]	300VA							2-14	97% ~ 19%	< 6	2-11	97% ~ 16%	< 12					
Hager	EVN 012	[RC]	300W							2-14	98% ~ 19%	< 5	2-11	97% ~ 16%	< 12					
Hager	EVN 004	[RL]	500VA							2-20	98% ~ 19%		2-18	97% ~ 16%						
INSTA	1176	[RLC]	50 ~ 420W																	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-8	96% ~ 8%		2-8	91% ~ 3%		2-20	92% ~ 26%		2-15	87% ~ 22%		2-5	89% ~ 19%			
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-8	91% ~ 3%		2-8	91% ~ 3%		2-20	93% ~ 37%		2-20	88% ~ 35%		2-5	88% ~ 11%			
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W							2-5	88% ~ 3%		2-4	87% ~ 37%						
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer							2-14	93% ~ 3%			N.A.	N.A.					
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	2-8	94% ~ 3%			N.A.	N.A.		N.A.	N.A.	2-5	94% ~ 17%			
Legrand	78401	[RLC]	40 ~ 500W							2-18	96% ~ 3%	< 3	2-15	92% ~ 16%	< 3					
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	3-8	95% ~ 3%			N.A.	N.A.		N.A.	N.A.	2-5	93% ~ 15%			
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.	3-8	94% ~ 3%			N.A.	N.A.		N.A.	N.A.	2-5	95% ~ 17%			
Legrand	67083	[RLC]	3 ~ 400W							2-3	89% ~ 12%			N.A.	N.A.					
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-8	96% ~ 4%	<3	2-8	93% ~ 3%		2-18	98% ~ 20%		2-15	88% ~ 15%		2-5	93% ~ 13%			
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-8	99% ~ 3%		2-8	95% ~ 3%			N.A.	N.A.	2-11	99% ~ 3%		2-5	97% ~ 3%			
Legrand	L4402N	[R]	60 ~ 500W							8-20	91% ~ 30%		3-18	86% ~ 28%						
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)		N.A.	N.A.	2-8	92% ~ 3%		2-20	92% ~ 29%		2-15	85% ~ 23%		2-5	90% ~ 24%			
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	3-8	95% ~ 3%		2-8	92% ~ 3%		2-14	91% ~ 6%		2-11	91% ~ 5%		2-5	89% ~ 4%			
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.	3-8	95% ~ 3%		2-19	94% ~ 14%		2-15	97% ~ 13%		2-5	95% ~ 12%			
MK - Electric	K1535	[R]	65 ~ 450 W - Turn		N.A.	N.A.	2-8	70% ~ 3%		3-20	85% ~ 20%		2-15	77% ~ 15%		2-5	81% ~ 17%			
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-8	80% ~ 3%		2-8	87% ~ 3%		3-20	89% ~ 19%		2-18	81% ~ 17%		2-5	86% ~ 15%			
MK - Electric	K4501 WHILV	[RLC]	180W							3-10	89% ~ 19%		2-8	90% ~ 19%						
MK - Electric	K4500 WHILV	[RLC]	400W							3-15	90% ~ 20%		2-15	88% ~ 19%						
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6~60W							2-5	89% ~ 10%		2-4	87% ~ 10%						
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-8	89% ~ 3%		2-8	89% ~ 3%		2-20	90% ~ 3%		2-20	93% ~ 17%		2-5	88% ~ 3%			
RELCO	RP0977	[LED]	4 - 100W																	
RELCO	RM0545	[LED]	4 - 100W																	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	3-8	95% ~ 3%		2-8	92% ~ 3%		2-14	91% ~ 6%		2-11	91% ~ 5%		2-5	89% ~ 4%			
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	3-8	95% ~ 3%		2-8	92% ~ 3%		2-14	91% ~ 6%		2-11	91% ~ 5%		2-5	89% ~ 4%			
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)		N.A.	N.A.	2-8	92% ~ 3%		2-20	92% ~ 29%		2-15	85% ~ 23%		2-5	90% ~ 24%			
Schneider	SBD315RC (SBD 315)	[RC]	315W	3-8	95% ~ 3%		2-8	92% ~ 3%		2-14	91% ~ 6%		2-11	91% ~ 5%		2-5	89% ~ 4%			
VADSBO	ED 350	[RC]	50 ~ 350W							2-16	93% ~ 34%		2-13	88% ~ 29%						
VADSBO	DRS 315	[RC]	50 ~ 315W							8-14	95% ~ 24%	< 15	3-11	97% ~ 21%	< 12					
VADSBO	DU 250	[RC]	20 ~ 250W							2-11	89% ~ 11%	< 12	2-9	89% ~ 9%	< 10					
Varilight	HQ3W	[R]	60 - 400W	2-8	85% ~ 3%		2-8	93% ~ 3%		2-18	98% ~ 14%		2-15	88% ~ 8%		2-5	91% ~ 10%			
Varilight	ICT401 M	[RC]	20 - 400W							2-18	94% ~ 10%		2-15	92% ~ 7%						
Vimar	20148	[RL]	500W	2-8	87% ~ 3%	<9	3-8	92% ~ 3%	<9	2-20	94% ~ 17%		2-18	88% ~ 16%	< 4	2-5	93% ~ 14%	<6		
Vimar	14153	[R]								2-20	98% ~ 3%		2-18	97% ~ 9%						
Vimar	20160	[RC]								2-14	94% ~ 13%	< 15	2-18	94% ~ 12%	< 19					
Vimar	20162	[RL]	40 ~ 300W	2-8	94% ~ 4%	<9	2-8	91% ~ 3%	<9	3-13	93% ~ 14%		2-11	84% ~ 11%	< 4	2-5	90% ~ 13%	<6		
IKEA	E0902 - Dim	[R]	25 ~ 150W	2-8	87% ~ 3%	<2	2-6	93% ~ 3%		t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	2-5	94% ~ 3%			

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				Classic LED spot													
				R50 5W - 60W Dimmable			PAR20 50W			PAR30 75W			PAR38 100W				
							NEW			NEW			NEW				
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing		
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	2-10	90%-20%		1-10	91% ~ 12%		1-8	93% ~ 12%		1-5	94% ~ 13%			
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	2-10	94%-8%		1-5	93% ~ 6%		1-8	96% ~ 11%		1-5	96% ~ 12%			
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2-10	94%-16%	< 2	1-10	93% ~ 6%		1-8	95% ~ 11%		1-8	97% ~ 57%			
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	2-10	92%-3%		1-14	92% ~ 3%		1-11	94% ~ 3%		1-8	95% ~ 3%			
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	2-10	92%-3%		1-8	95% ~ 3%		1-13	96% ~ 3%		1-9	96% ~ 3%			
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2-10	96%-20%		1-15	92% ~ 12%		1-9	93% ~ 12%		1	93% ~ 12%			
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-10	92%-3%		1-14	93% ~ 3%		1-11	95% ~ 3%		1-15	96% ~ 3%			
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.											
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-16	95%-20%		1-17	94% ~ 10%		1-11	95% ~ 12%		1-8	93% ~ 11%			
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-10	88%-20%		1-10	92% ~ 14%		1-8	92% ~ 18%		1-5	93% ~ 15%			
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	2-10	88%-3%		1-9	92% ~ 4%		1-7	94% ~ 4%		1-5	94% ~ 4%			
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.	1-12	94% ~ 7%		1-9	96% ~ 7%			N.A.	N.A.		
Eltako	EVD61NPN-UC		400W 3-wire Push Module	1-16	97%-12%	<17	1-13	98% ~ 7%		1-8	95% ~ 7%		1-6	96% ~ 8%			
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-10	88%-20%		1-10	92% ~ 14%		1-8	92% ~ 18%		1-5	93% ~ 15%			
Feller| Schneider	40300 (SBD315)	[RLC]	300W				1-9	92% ~ 4%		1-7	94% ~ 4%		1-5	94% ~ 4%			
Feller| Schneider	40420 (SBD420)	[RLC]	420W				1-12	94% ~ 7%		1-9	96% ~ 7%			N.A.	N.A.		
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-16	94%-30%		1-14	96% ~ 17%		1-9	88% ~ 7%			N.A.	N.A.		
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	2-10	92%-8%		1-10	93% ~ 3%		1-9	97% ~ 3%		1-5	94% ~ 4%			
Hager	EVN 011	[RC]	300VA	1-12	97%-14%	< 13	1-10	98% ~ 8%		1-6	96% ~ 6%		5	97% ~ 9%			
Hager	EVN 012	[RC]	300W	1-12	96%-15%	< 13	1-10	98% ~ 13%		1-6	96% ~ 14%		5	97% ~ 14%			
Hager	EVN 004	[RL]	500VA	1-16	97%-15%	< 3	1-17	98% ~ 14%		1-11	97% ~ 14%		8	97% ~ 14%			
INSTA	1176	[RLC]	50 ~ 420W	t.b.d.	t.b.d.	t.b.d.											
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-10	92%-24%		1-15	98% ~ 13%		1-11	93% ~ 13%		1-8	92% ~ 14%			
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-10	92%-36%		1-10	92% ~ 3%		1-10	94% ~ 3%		1-8	95% ~ 3%			
Klik aan Klik uit	AWMD-250	[LED]	3- 24W	1-5	79%-31%		1-4	93% ~ 19%		1-3	89% ~ 20%		1-2	92% ~ 21%			
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	1-12	87%-14%		1-10	58% ~ 3%		1-6	84% ~ 3%		1-5	81% ~ 3%			
Legrand	774161	[RL]	40 ~ 400 W - Turn	3-10	92%-8%	< 4	2-11	93% ~ 6%		1-8	96% ~ 6%		1-6	97% ~ 7%			
Legrand	78401	[RLC]	40 ~ 500W	1-16	95%-14%		1-13	94% ~ 7%		5-8	93% ~ 8%			N.A.	N.A.		
Legrand	67081	[RL]	40 ~ 400 W - Turn	3-10	96%-16%		2-9	94% ~ 5%		1-6	96% ~ 3%		1-5	98% ~ 7%			
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.	2-15	94% ~ 5%		1-13	96% ~ 3%			N.A.	N.A.		
Legrand	67083	[RLC]	3 ~ 400W	2-16	90%-12%		1-3	94% ~ 3%		1-2	89% ~ 3%		1-6	92% ~ 3%			
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-10	88%-3%	< 5	1-11	93% ~ 8%		1-8	94% ~ 3%			N.A.	N.A.		
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-10	96%-3%		1-9	97% ~ 3%		1-6	98% ~ 3%			N.A.	N.A.		
Legrand	L4402N	[R]	60 ~ 500W	2-16	95%-20%			N.A.	N.A.		N.A.	N.A.	2-3	91% ~ 15%			
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-10	88%-20%		1-10	92% ~ 14%		1-8	92% ~ 18%		1-5	93% ~ 15%			
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-10	88%-3%		1-9	92% ~ 4%		1-7	94% ~ 4%		1-5	94% ~ 4%			
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.	1-12	94% ~ 7%		1-9	96% ~ 7%			N.A.	N.A.		
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-10	80%-14%		1-13	77% ~ 7%		1-5	84% ~ 5%		1-7	88% ~ 10%			
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-10	86%-14%		1-15	96% ~ 30%		1-7	84% ~ 5%		1-8	93% ~ 6%			
MK - Electric	K4501 WHILV	[RLC]	180W	1-9	90%-17%		1-7	92% ~ 5%		1-9	93% ~ 8%		1-3	92% ~ 8%			
MK - Electric	K4500 WHILV	[RLC]	400W	1-16	89%-18%		1-11	99% ~ 29%		1-11	93% ~ 6%		1-6	91% ~ 6%			
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6~60W	1-5	89%-7%		1-4	95% ~ 3%		1-3	86% ~ 3%		1-2	91% ~ 3%			
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-10	92%-3%		1-14	93% ~ 3%		1-11	95% ~ 3%		1-15	96% ~ 3%			
RELCO	RP0977	[LED]	4 - 100W				1-3	99% ~ 15%		1-2	89% ~ 13%		1-2	99% ~ 17%			
RELCO	RM0545	[LED]	4 - 100W				1-3	92% ~ 8%		1-2	83% ~ 8%		1-3	93% ~ 9%			
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-10	88%-3%		1-9	92% ~ 4%		1-7	94% ~ 4%		1-5	94% ~ 4%			
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-10	88%-3%		1-9	92% ~ 4%		1-7	94% ~ 4%		1-5	94% ~ 4%			
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	2-10	88%-20%		1-10	92% ~ 14%		1-8	92% ~ 18%		1-5	93% ~ 15%			
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-10	88%-3%		1-9	92% ~ 4%		1-7	94% ~ 4%		1-5	94% ~ 4%			
VADSBO	ED 350	[RC]	50 ~ 350W	1-14	88%-27%		1-12	93% ~ 14%		1-7	82% ~ 13%		1-5	90% ~ 1%			
VADSBO	DRS 315	[RC]	50 ~ 315W	2-13	95%-19%	< 14	1-11	95% ~ 10%		1-7	90% ~ 10%		1-5	94% ~ 11%			
VADSBO	DU 250	[RC]	20 ~ 250W	1-10	85%-9%	< 11	1-14	96% ~ 17%		1-5	88% ~ 15			N.A.	N.A.		
Varilight	HQ3W	[R]	60 ~ 400W	2-10	92%-6%		1-8	91% ~ 5%		1-8	95% ~ 4%		1-6	94% ~ 5%			
Varilight	ICT401 M	[RC]	20 ~ 400W	1-16	89%-6%		1-13	94% ~ 5%		1-8	89% ~ 5%		1-6	93% ~ 5%			
Vimar	20148	[RL]	500W	3-10	92%-8%	< 11	1-14	92% ~ 4%		1-11	97% ~ 3%		1-8	95% ~ 5%			
Vimar	14153	[R]		1-16	99%-6%		1-15	99% ~ 3%		1-11	89% ~ 3%		1-8	96% ~ 3%			
Vimar	20160	[RC]		2-16	94%-11%	< 17	1-10	95% ~ 3%		1-6	90% ~ 3%		1-8	92% ~ 3%			
Vimar	20162	[RL]	40 ~ 300W	2-10	88%-8%	< 11	1-9	91% ~ 7%		1-6	96% ~ 8%		1-5	35% ~ 7%			
IKEA	E0902 - Dim	[R]	25 ~ 150W	t.b.d.	t.b.d.	t.b.d.	2-5	94% ~ 9%		1-3	92% ~ 3%		1-2	98% ~ 14%			

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products. Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

Brand	Type	Type	Load	LEDflame E27 A60 25W Dimming Performance	LEDflame E27 A60 25W Dimming Range	LEDflame E27 A60 25W Glowing	LEDflame E27 A60 45W Dimming Performance	LEDflame E27 A60 45W Dimming Range	LEDflame E27 A60 45W Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	94% ~ 3%		1-3	95% ~ 3%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	96% ~ 3%		1-3	92% ~ 11%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	98% ~ 9%		1-3	94% ~ 15%	
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn		N.A.	N.A.	1-3	95% ~ 3%	
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	99% ~ 3%		1-3	92% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn		98% ~ 5%			92% ~ 4%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	94% ~ 3%		1-3	94% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	91% ~ 13%		1-3	92% ~ 19%	
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	3	91% ~ 3%		1-3	91% ~ 7%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	93% ~ 3%		1-3	98% ~ 3%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	91% ~ 3%		1-3	93% ~ 3%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	3	91% ~ 3%		1-3	91% ~ 7%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W						
Feller| Schneider	40420 (SBD420)	[RLC]	420W						
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 15%		1-3	93% ~ 13%	
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	1-3	94% ~ 3%		1-3	99% ~ 3%	
Hager	EVN 011	[RC]	300VA	1-3	97% ~ 3%		1-3	97% ~ 3%	
Hager	EVN 012	[RC]	300W	1-3	97% ~ 3%		1-3	97% ~ 3%	
Hager	EVN 004	[RL]	500VA	1-3	97% ~ 3%		1-3	97% ~ 3%	
INSTA	1176	[RLC]	50 ~ 420W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	92% ~ 8%		1-3	93% ~ 7%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	95% ~ 3%		1-3	93% ~ 3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W	1-3	84% ~ 12%		1-3	87% ~ 20%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	1-3	93% ~ 3%		1-3	93% ~ 3%	
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.		N.A.	N.A.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)		98% ~ 3%			92% ~ 3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)		96% ~ 3%			97% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W		N.A.	N.A.	2-3	87% ~ 11%	
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	3	91% ~ 3%		1-3	91% ~ 7%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	93% ~ 3%		1-3	98% ~ 3%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	91% ~ 3%		1-3	93% ~ 3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	82% ~ 3%		1-3	84% ~ 6%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	89% ~ 3%		1-3	92% ~ 3%	
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	87% ~ 3%		1-3	88% ~ 3%	
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	87% ~ 3%		1-3	87% ~ 3%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6-60W	1-3	85% ~ 12%		1-3	89% ~ 27%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	94% ~ 3%		1-3	94% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W						
RELCO	RM0545	[LED]	4 - 100W						
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	93% ~ 3%		1-3	98% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	93% ~ 3%		1-3	98% ~ 3%	
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	3	91% ~ 3%		1-3	91% ~ 7%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	93% ~ 3%		1-3	98% ~ 3%	
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	89% ~ 16%		1-3	85% ~ 11%	
VADSBO	DRS 315	[RC]	50 ~ 315W	1-3	92% ~ 3%		1-3	92% ~ 3%	
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	87% ~ 3%		1-3	83% ~ 3%	
Varilight	HQ3W	[R]	60 - 400W	1-3	95% ~ 3%		1-3	95% ~ 3%	
Varilight	ICT401 M	[RC]	20 - 400W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Vimar	20148	[RL]	500W		N.A.	N.A.	1-3	94% ~ 3%	
Vimar	14153	[R]		1-3	99% ~ 3%		1-3	99% ~ 3%	
Vimar	20160	[RC]			N.A.	N.A.	1-3	92% ~ 3%	
Vimar	20162	[RL]	40 ~ 300W	1-3	95% ~ 5%		1-3	88% ~ 3%	
IKEA	E0902 - Dim	[R]	25 ~ 150W	1-3	96% ~ 2%		1-3	95% ~ 10%	

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

July 2017

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer 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 conditions and might contain faults

				LED capsule					
				G9 2.5 - 25W Dimmable			R7S (118mm) 14 - 100W Dimmable		
Brand	Type	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC]	20 ~ 360 W - Turn	3-20	96% ~ 27%		1	89%~ 8%	
Berker |INSTA	283010	[R]	60 ~ 400 W - Turn	3-20	86% ~ 23%		1	94%~ 3%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
Busch Jaeger |ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	3-20	85% ~ 33%		1	91% - 23%	
Busch Jaeger |ABB	2247 U	[RL]	20 ~ 500 W - Turn	3-20	83% ~ 9%		1	93% ~ 3%	
Busch Jaeger |ABB	2250 U	[R]	60 ~ 600 W - Turn	3-20	87% ~ 6%		1	96% ~ 3%	
Busch Jaeger |ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	3-20	98% ~ 24%		1	93% ~ 7%	
Busch Jaeger |ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	3-20	92% ~ 3%		1	88% ~ 3%	
Busch Jaeger |ABB	6524 U	[LED]	2 ~ 100 VA-LED - Push (3wire)						
Busch Jaeger |ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	3-20	97% ~ 23%	< 7	t.b.d.	t.b.d.	t.b.d.
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	3-20	96% ~ 30%		1	89% ~ 3%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC]	315W	3-20	95% ~ 9%		1	88% ~ 10%	
ELKO| Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
Eltako	EVD61NPN-UC		400W 3-wire Push Module	3-20	99% ~ 15%		t.b.d.	t.b.d.	t.b.d.
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	3-20	96% ~ 30%		1	89% ~ 3%	
Feller| Schneider	40300 (SBD315)	[RLC]	300W						
Feller| Schneider	40420 (SBD420)	[RLC]	420W						
GIRA	1176-00/01	[RLC]	50 ~ 420W	3-20	96% ~ 39%	< 12	t.b.d.	t.b.d.	t.b.d.
GIRA	2390 00/ 100		7 ~ 100W - Push (3wire)	3-18	91% ~ 15%		1	89%'4%	
Hager	EVN 011	[RC]	300VA	3-20	98% ~ 18%	< 14	t.b.d.	t.b.d.	t.b.d.
Hager	EVN 012	[RC]	300W	3-20	99% ~ 28%	< 14	t.b.d.	t.b.d.	t.b.d.
Hager	EVN 004	[RL]	500VA	3-20	99% ~ 28%	< 15	t.b.d.	t.b.d.	t.b.d.
INSTA	1176	[RLC]	50 ~ 420W						
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	3-20	96% ~ 33%		1	90% ~ 10%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	3-20	94% ~ 3%		1	90%- 3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24W	3-10	86% ~ 3%	< 11	t.b.d.	t.b.d.	t.b.d.
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	3-20	33% ~ 3%	< 10	t.b.d.	t.b.d.	t.b.d.
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	3-20	97% ~ 3%	< 13	t.b.d.	t.b.d.	t.b.d.
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	3-20	97% ~ 23%		1	93% ~ 3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	3-20	99% ~ 4%		1	98% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	3-20	96% ~ 30%		1	89% ~ 3%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	3-20	95% ~ 9%		1	88% ~ 10%	
Merten| Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	3-20	72% ~ 19%		1	82% ~ 10%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	3-10	82% ~ 17%		1	88% ~ 6%	
MK - Electric	K4501 WHILV	[RLC]	180W		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
MK - Electric	K4500 WHILV	[RLC]	400W		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6~60W	3-10	76% ~ 4%		t.b.d.	t.b.d.	t.b.d.
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	3-20	92% ~ 3%		1	88% ~ 3%	
RELCO	RP0977	[LED]	4 - 100W						
RELCO	RM0545	[LED]	4 - 100W						
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	3-20	95% ~ 9%		1	88% ~ 10%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	3-20	95% ~ 9%		t.b.d.	t.b.d.	t.b.d.
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA - Turn Universal (2wire)	3-20	96% ~ 30%		1	89% ~ 3%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	3-20	95% ~ 9%		1	88% ~ 10%	
VADSBO	ED 350	[RC]	50 ~ 350W	5-20	93% ~ 34%		t.b.d.	t.b.d.	t.b.d.
VADSBO	DRS 315	[RC]	50 ~ 315W		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
VADSBO	DU 250	[RC]	20 ~ 250W	3-20	92% ~ 14%	<21	t.b.d.	t.b.d.	t.b.d.
Varilight	HQ3W	[R]	60 - 400W	3-20	85% ~ 14%		1	93% ~ 3%	
Varilight	ICT401 M	[RC]	20 - 400W	3-20	85% ~ 14%	< 11	t.b.d.	t.b.d.	t.b.d.
Vimar	20148	[RL]	500W		N.A.	N.A.	1	94% ~ 4%	
Vimar	14153	[R]		3-20	98% ~ 3%	<10	1	90% ~ 5%	
Vimar	20160	[RC]			N.A.	N.A.			
Vimar	20162	[RL]	40 ~ 300W	3-20	96% ~ 18%	<21	t.b.d.	t.b.d.	t.b.d.
IKEA	E0902 - Dim	[R]	25 ~ 150W	3-20	96% ~ 6%		1	93% ~ 9%	

Note :

#1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
#2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
#3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
#4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
#4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
#5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
#7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

www.lighting.philips.com/main/products/masterled
www.lighting.philips.com/main/products/coreproledlamps

PHILIPS

06/2017
Data subject to change.

www.philips.com