

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	This document is for information purposes
x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
	Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	might contain judits

				LE						LED bulbs					
					E27 6W - 40W clear 6W - 40W froster immable WarmGl	d		E27 9W - 60W clear 9W - 60W froster mmable WarmGlo	d		E27 - 40W CRI80 A6 nmable Warmglo			E27 - 60W CRI80 A6 mmable Warmgl	
				(A T			Bassass Control of the Control of th				
	ı	ı		Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Z Range	Glowing	Dimming Performance	Dimming Range Man	Glowing
Brand Berker INSTA	Type 286710	Type [RC]	Load 20 ~ 360 W - Turn	1-3	87% ~ 3%	ŭ	1-3	98% ~ 4%	U	1-3	98% ~ 8%	g	∆ ã 1-3	94% ~ 7%	U
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 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] [RL]	60 ~ 400 W - Turn	1-3	93% ~ 3%		1-3	94% ~ 5%		1-3	97% ~ 19%		1-3	94% ~ 9%	
Busch Jaeger ABB Busch Jaeger ABB	2247 U 2250 U	[R]	20 ~ 500 W - Turn 60 ~ 600 W - Turn	1-3 1-3	90% ~ 3% 92% ~ 3%		1-3 1-3	95% ~ 3% 95% ~ 3%		1 -3 1 -3	99% ~ 3% 97% ~ 3%		1 -3 1 -3	95% ~ 3% 97% ~ 3%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	94% ~ 8%		1-3	96% ~ 5%		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	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%	NI A	1-3	97% ~ 6%	
ELKO Schneider ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3 1-3	88% ~ 3% 93% ~ 3%		1-3 1-3	90% ~ 4% 92% ~ 3%		1-3	N.A. 98% ~ 3%	N.A.	2- 3 1 <i>-</i> 3	93% ~ 8% 94% ~ 2%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	89% ~ 3%		1-3	95% ~ 3%			N.A.	N.A.		N.A.	N.A.
Eltako	EVD61NPN-UC		400W 3-wire Push Module							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%			N.A.	N.A.	2- 3	93% ~ 8%	
Feller Schneider Feller Schneider	40300 (SBD315) 40420 (SBD420)	[RLC]	300W 420W	1-3 1-3	93% ~ 3% 89% ~ 3%		1-3 1-3	92% ~ 3% 95% ~ 3%		1 -3	98% ~ 3% N.A.	N.A.	1 -3	94% ~ 2% N.A.	N.A.
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 5%		1-3	88% ~ 5%		1-3	99% ~ 19%	NA		N.A.	N.A.
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	86% ~ 3%		1-3	91% ~ 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 Jung	225 TDE	[RL]	500VA 20 ~ 525 W - Turn	1-3 1-3	98% ~ 3% 93% ~ 3%		1-3 1-3	93% ~ 3% 96% ~ 5%		1-3 1-3	99% ~ 13% 98% ~ 9%		1 -3 1 - 3	99% ~ 6% 96% ~ 8%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	87% ~ 7%		1-3	91% ~ 7%		1-3	97% ~ 4%		, ,	30% 0%	
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							2- 3	96% ~ 8%		1-3	96% ~ 4%	
Legrand	774161 78401	[RL]	40 ~ 400 W - Turn 40 ~ 500W	1-3	96% ~ 3%	N.A.	1-3	N.A. 93% ~ 3%	N.A.	1-3	N.A. 98% ~ 7%	N.A.	2 - 3 1 -3	96% ~ 5% 97% ~ 4%	
Legrand Legrand	67081	[RL]	40 ~ 400 W - Turn	1-3	96% ~ 3% N.A.	N.A.	1=3	95% ~ 5% N.A.	N.A.	1-3	N.A.	N.A.	2 - 3	97% ~ 4%	
Legrand	67082	[RL]	40 ~ 600 W - Turn		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%		2 - 3	99% ~ 6%		1-3	98% ~ 6%	
Legrand Legrand	67085 (078406) L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60 ~ 500W	1-3	88% ~ 17% N.A.	N.A.	1-3 2-3	95% ~ 3% 83% ~ 5%		1 -3 2 - 3	99% ~ 3% 97% ~ 13%		1 -3 2- 3	96% ~ 3% 89% ~ 6%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 3%	14/24	1-3	90% ~ 4%		2 3	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	98% ~ 3%		1-3	94% ~ 2%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	89% ~ 3%		1-3	95% ~ 3%			N.A.	N.A.		N.A.	N.A.
MK - Electric MK - Electric	K1535 K1501 WHILV	[R]	65 ~ 450 W - Turn 60 ~ 500 W - Turn	1-3	N.A. 85% ~ 3%	N.A.	1-3 1-3	80% ~ 3% 90% ~ 3%		1 -3 1 -3	99% ~ 6% 97% ~ 6%		1 -3 1 -3	84% ~ 5% 90% ~ 5%	
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	85% ~ 3% 88% ~ 3%		1-3	90% ~ 3% 83% ~ 3%		1-3	96% ~ 7%		1-3	90% ~ 5%	
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	88% ~ 3%		1-3	85% ~ 3%		1-3	95% ~ 7%		1-3	90% ~ 3%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	98% ~ 4%		1-3	95% ~ 5%		1 -3	98% ~ 3%		1 - 2	99% ~ 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 RELCO	UID8670 RP0977	[LED]	2 ~ 100 VA-LED - Push (3wire) 4-100W	1-3	86% ~ 3%		1-3	89% ~ 3%		1 -3 1- 3	83% ~ 3% 96% ~ 4%		1 -3 1- 2	89% ~ 3% 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	98% ~ 3%		1-3	94% ~ 2%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	98% ~ 3%	N.A	1-3	94% ~ 2%	
Schneider Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[RC]	4 ~ 400VA - Turn Universal (2wire)	1-3 1-3	88% ~ 3% 93% ~ 3%		1-3 1-3	90% ~ 4% 90% ~ 4%		1-3	N.A. 98% ~ 3%	N.A.	2- 3 1 <i>-</i> 3	93% ~ 8% 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 ICT401 M	[R]	60-400W 20-400W	1-3	92% ~ 3%		1-3	99% ~ 3%		1 - 3 1 - 3	96% ~ 4% 97% ~ 3%		1 - 3 1 - 3	96% ~ 3% 88% ~ 2%	
Varilight Vimar	20148	[RC]	500W		N.A.	N.A.		N.A.	N.A.	1-3	97% ~ 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 E0902 - Dim	[RL]	40 ~ 300W 25 ~ 150W	1.2	N.A.	N.A.	1.2	N.A.	N.A.	1 - 3	98% ~ 7%	<3	1 - 3	95% ~ 9%	<2
Note:	LOSOZ - DIIII	[R]	25 IJUVV	1-3	91% ~ 1%		1-3	93% ~ 1%		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.)
- LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

 #2) Occupancy sensors can act like dimmers, therefore Philips recommend 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)
- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" (#4b) Yellow cells indication: Dimming range, minimum dim level will be >10%, and/or maximum level will be <80% lightlevel
- #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.
- #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 #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 #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaime











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	This document is for information purposes
x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
	Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and
T.B.D.	Dimmer lamp combination not tested	might contain faults

				LED bulbs											
					E27 3 - 75W CRI8O A6 mmable Warmgl			E27 5 - 100W CRI80 A mmable Warmglo			E27 7 - 100W CRI80 A immable Warmgl			E27 6-40 W Dimmable	
					resus.		9		7					-	
					•		1	10 4			₩.				
				-	NEW		-	NEW			NEW				
	I	ı	ı	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	Type 286710	Type [RC]	20 ~ 360 W - Turn	1-3	百 2 91% ~ 10%	ច	1 - 3	94%~9%	ច	1-3	83% ~ 7%	ច	1-3	94% ~ 3%	ថ
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	76% ~ 7%		1-3	98% ~ 10%		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	98% ~ 15%		1-3	88% ~ 12%		1-3	98% ~ 9%	N. A
Busch Jaeger ABB Busch Jaeger ABB	2247 U 2250 U	[RL] [R]	20 ~ 500 W - Turn 60 ~ 600 W - Turn	1-3 1-3	75% ~ 3% 79% ~ 2%		1 - 3 1 - 3	96% ~ 3% 98% ~ 3%		1-3 1-3	90% ~ 4% 91% ~ 3%		1-3	N.A. 99% ~ 3%	N.A.
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	75% ~ 7%		1 - 3	98% ~ 8%		1-3	89% ~ 7%			98% ~ 5%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	88% ~ 3%		1 - 3	97% ~ 5%		1-3	86% ~ 3%		1-3	94% ~ 3%	
Busch Jaeger ABB ELKO Schneider	6526 U SBD200LED (CCTEL10501)	[LED]	2 ~ 100 VA-LED - Push (2wire) 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3 1-3	95% ~ 8% 77% ~ 9%		1 - 3	96% ~ 9%		1-3 1-3	95% ~ 8% 84% ~ 9%		1-3 3	91% ~ 13% 91% ~ 3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	77% ~ 9% 89% ~ 3%		1 - 3	96% ~ 9% 97% ~ 3%		1-3	84% ~ 9% 84% ~ 3%		1-3	91% ~ 3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	77% ~ 5%		1-3	99% ~ 4%		1-3	86% ~ 5%		1-3	91% ~ 3%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	1-3	99% ~ 6%					1-3	99% ~ 4%				
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[LED/RC] [RLC]	4 ~ 200W(RC) 4 ~ 400W(RL) 300W	1-3 1-3	77% ~ 9% 89% ~ 3%		1 - 3 1 - 3	96% ~ 9% 97% ~ 3%		1-3 1-3	84% ~ 9% 84% ~ 3%		3 1-3	91% ~ 3% 93% ~ 3%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	1-3	77% ~ 5%		1-3	99% ~ 4%		1-3	86% ~ 5%		1-3	91% ~ 3%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	95% ~ 14%					1-3	92% ~ 12%		1-3	93% ~ 15%	
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	69% ~ 16%		1 - 3	97% ~ 5%		1-3	84% ~ 18%		1-3	94% ~ 3%	
Hager	EVN 011	[RC]	300VA 300W	1-3 1-3	96% ~ 11%					1-3 1-3	97% ~ 6%		1-3	97% ~ 3%	
Hager Hager	EVN 012 EVN 004	[RC]	500VA	1-3	96% ~ 11% 98%10%					1-3	99% ~ 9% 99%10%		1-3 1-3	97% ~ 3% 97% ~ 3%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	90% ~ 11%		1 - 3	98% ~ 9%		1-3	85% ~ 8%		1-3	92% ~ 8%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	90% ~ 6%		1 - 3	98% ~ 4%		1-3	84% ~ 4%		1-3	95% ~ 3%	
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W - 3-wire Push LED Dimmer	1-2 1-3	79% ~ 15% 96% ~ 7%					1 1-3	82% ~ 16% 84% ~ 7%		1-3	84% ~ 12%	
Legrand	774161	[RL]	40 ~ 400 W - Turn	2-3	78% ~ 5%		1 - 3	98% ~ 8%		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 67083	[RL]	40 ~ 600 W - Turn 3 ~ 400W	2-3 1	75% ~ 5% 85% ~ 4%					2-3 1-3	90% ~ 6% 79% ~ 4%			N.A.	N.A.
Legrand Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	76% ~ 5%		1 - 3	96% ~ 3%		1-3	91% ~ 6%			N.A. 98% ~ 3%	N.A.
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	79% ~ 3%		1 - 3	99% ~ 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 Merten Schneider	SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3 1-3	77% ~ 9% 89% ~ 3%		1 - 3 1 - 3	96% ~ 9% 97% ~ 3%		1-3 1-3	84% ~ 9% 84% ~ 3%		3 1-3	91% ~ 3% 93% ~ 3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	77% ~ 5%		1-3	97% ~ 3%		1-3	86% ~ 5%		1-3	93% ~ 3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	66% ~ 7%		1 - 3	88% ~ 9%		1-3	75% ~ 7%		1-3	82% ~ 3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	71% ~ 6%		1 - 3	93% ~ 6%		1-3	81% ~ 6%		1-3	89% ~ 3%	
MK - Electric MK - Electric	K4501 WHILV K4500 WHILV	[RLC]	180W 400W	1-3 1-3	84% ~ 7% 87% ~ 7%					1-3 1-3	87% ~ 7% 87% ~ 7%		1-3 1-3	87% ~ 3% 87% ~ 3%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-2	99% ~ 3%					1	98% ~ 2%		1-3	96% ~ 4%	
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%			0000 0000		1-3	86% ~ 3%		1-3	94% ~ 3%	
RELCO	RP0977 RM0545	[LED]	4-100W 4-100W	1-2 1-2	99% ~ 14% 90% ~ 6%		1 - 3 1 - 3	98% ~ 12% 94% ~ 6%		1	98% ~ 17% 89% ~ 6%				
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	89% ~ 3%		1 - 3	97% ~ 3%		1-3	84% ~ 3%		1-3	93% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	89% ~ 3%		1 - 3	97% ~ 3%		1-3	84% ~ 3%		1-3	93% ~ 3%	
Schneider	SBD200 (WDE 002299)	(DC)	4 ~ 400VA - Turn Universal (2wire)	1-3	77% ~ 9%		1 - 3	96% ~ 9%		1-3	84% ~ 9%		3	91% ~ 3%	
Schneider VADSBO	SBD315RC (SBD 315) ED 350	[RC]	315W 50 ~ 350W	1-3 1-3	89% ~ 3% 87% ~ 13%		1 - 3	97% ~ 3%		1-3 1-3	84% ~ 3% 82% ~ 11%		1-3 1-3	93% ~ 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	94% ~ 4%		1-3	87% ~ 5%		1-3	95% ~ 3%	
Varilight Vimar	ICT401 M 20148	[RC]	20-400W 500W	1-3 1-2	83% ~ 7% 78% ~ 5%	<4				1-3 1-3	91% ~ 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	95% ~ 6%	<2	1-3	88% ~ 4%	<4		N.A.	N.A.
Vimar IKEA	20162 E0902 - Dim	[RL]	40 ~ 300W 25 ~ 150W	1-2 1-3	75% ~ 5% 79% ~ 7%	<4	1 -3 1 - 2	95% ~ 5% 98% ~ 8%	<2	1-3 1-2	87% ~ 5% 90% ~ 8%	<4	1-3 1-3	95% ~ 5% 96% ~ 2%	
	LUBUZ DIIII	[R]	25 - 150VV	1-5	1370~176		1-2	3070~070		1-2	3070-070		1-3	3070 ~ Z76	
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 recommend 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 will be >10%, and/or maximum level will be <80% lightlevel
- #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 #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).











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	This document is for information purposes
x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
	Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	might contain judits

								LED bulbs				
					E27			E27			E27	
					9.5-60 W Dimmable			11.5-75 W Dimmable			16-100 W Dimmable	
					-						-	
											1	
				псе			nce			nce		
				Dimming Performar	Dimming Range	Glowing	Dimming	Dimming Range	Glowing	Dimming	Dimming Range	Glowing
Brand	Туре	Туре	Load		Dim	Glo		Dim	Glo			Glo
Berker INSTA Berker INSTA	286710 283010	[RC]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	1-3 1-3	95% ~ 3% 92% ~ 11%		1-3 1-3	90% ~ 10% 94% ~ 12%		1-3	91% ~ 9% N.A.	N.A.
Bticino	L4407	[K]	60 ~ 250 W	1-3	N.A.	N.A.	I-3	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%	
	2247 U	[RL]	20 ~ 500 W - Turn 60 ~ 600 W - Turn	1-3	95% ~ 3%		1-3	94% ~ 3%		1-3	94% ~ 3%	
Busch Jaeger ABB Busch Jaeger ABB	2250 U 6513 U - 102	[R] [RC]	40 ~ 420 W - Turn	1-3	92% ~ 3% 92% ~ 4%		1-3 1-3	96% ~ 3% 92% ~ 10%		1-3 1-3	94% ~ 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	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	92% ~ 19%		1-3	88% ~ 23%		1-3	91% ~ 25%	
ELKO Schneider ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL) 315W	1-3 1-3	91% ~ 7% 98% ~ 3%		1-3 1-3	88% ~ 13% 88% ~ 3%		1-3 1-3	90% ~ 13% 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									
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL) 300W	1-3 1-3	91% ~ 7% 98% ~ 3%		1-3 1-3	88% ~ 13% 88% ~ 3%		1-3 1-3	90% ~ 13% 90% ~ 3%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	94% ~ 3%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 13%		1-3	92% ~ 20%		1-3	93% ~ 19%	
GIRA Hager	2390 00/ 100 EVN 011	[LED]	7 ~ 100W - Push (3wire)	1-3 1-3	99% ~ 3% 97% ~ 3%		1-3 1-3	90% ~ 3% 97% ~ 3%		1-3 1-3	91% ~ 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%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	93% ~ 7%		1-3	90% ~ 10%		1-3	91% ~ 11%	
Jung Klik aan Klik uit	1271LEDDE AWMD-250	[LED]	3 ~ 100W - Push (3wire) 3 ~ 24W	1-3 1-3	93% ~ 3% 87% ~ 20%		1-3 1-3	90% ~ 28% 83% ~ 25%		1-3 1-3	91% ~ 26% 85% ~ 23%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer									
Legrand	774161	[RL]	40 ~ 400 W - Turn	1.2	N.A.	N.A.	1.0	N.A.	N.A.	1.2	N.A.	N.A.
Legrand Legrand	78401 67081	[RLC]	40 ~ 500W 40 ~ 400 W - Turn	1-3	93% ~ 3% N.A.	N.A.	1-3	92% ~ 5% N.A.	N.A.	1-3	94% ~ 5% N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.				N.A.			
Legrand	67083				IV.A.	N.A.		N.A.	IV.A.		N.A.	N.A.
Legrand		[RLC]	3~400W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A. N.A.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)		N.A. 92% ~ 3%		1-3	N.A. 92% ~ 5%		1-3 1-3	N.A. 92% ~ 5%	
Legrand Legrand				2-3	N.A.		1-3 1-3 1-3	N.A.		1-3 1-3 1-3	N.A.	
Legrand Merten Schneider	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000)	[RLC] [RLC] [R] [LED/RC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL)	1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7%		1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13%		1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13%	
Legrand Merten Schneider Merten Schneider	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[RLC] [RLC] [R] [LED/RC] [RC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W	1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3%		1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3%		1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3%	
Legrand Merten Schneider	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000)	[RLC] [RLC] [R] [LED/RC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL)	1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7%		1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13%		1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV	[RLC] [RLC] [R] [LED/RC] [RC] [RLC] [RLC] [R]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL) 315W 20 - 420 VA 65 ~ 450 W - Turn 60 ~ 500 W - Turn	1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8%		1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 94% ~ 3% 83% ~ 9% 88% ~ 8%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV	[RLC] [RLC] [R] [LED/RC] [RC] [RC] [RLC] [R] [R] [R]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 ~ 500 W - Turn 180W	1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3% 88% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8%		1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 94% ~ 3% 83% ~ 9% 88% ~ 8%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV	[RLC] [RLC] [R] [LED/RC] [RC] [RLC] [RLC] [R]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL) 315W 20 - 420 VA 65 ~ 450 W - Turn 60 ~ 500 W - Turn	1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8%		1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 94% ~ 3% 83% ~ 9% 88% ~ 8%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric NIKO PEHA	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN	[RLC] [RLC] [R] [LED/RC] [RC] [RC] [RLC] [R] [R] [R] [RLC] [RLC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W	1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3% 88% ~ 3% 87% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 94% ~ 3% 83% ~ 9% 88% ~ 8% 88% ~ 8%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670	(RLC)	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire)	1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 3% 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 87% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8% 78% ~ 8%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 16% 90% - 13% 90% - 3% 94% - 3% 83% - 9% 88% - 8% 88% - 8%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977	[RLC] [RLC] [R] [LED/RC] [RC] [RLC] [R] [R] [RLC] [RLC] [RLC] [RLC] [RLC] [LED] [LED] [LED] [LED]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 3% 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 87% - 3% 89% - 5%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% 5% 94% 3% 85% 17% 88% 13% 88% 3% 92% 3% 82% 10% 78% 8% 78% 8% 78% 8% 95% 13%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 16% 90% - 13% 90% - 3% 94% - 3% 83% - 9% 88% - 8% 88% - 88 88% - 88	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670	(RLC)	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 3% 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 87% - 3% 89% - 5%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% 5% 94% 3% 85% 17% 88% 13% 88% 3% 92% 3% 82% 10% 78% 8% 78% 8% 78% 8% 95% 13%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 16% 90% - 13% 90% - 3% 94% - 3% 83% - 9% 88% - 8% 88% - 88 88% - 88	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO Schneider Schneider	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RLC] [RLC] [R] [LED/RC] [RC] [RC] [RLC] [R] [RLC] [RLC] [RLC] [RLC] [LED] [LED] [LED] [LED]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W (LED) 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 3% 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 87% - 33% 96% - 5% 89% - 27% 94% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8% 78% ~ 8% 88% ~ 28% 88% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 84% ~ 3% 88% ~ 8% 88% ~ 8% 88% ~ 8% 88% ~ 28% 90% ~ 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider Schneider Schneider	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD42ORCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[RLC] [RLC] [R] [LED/RC] [RC] [RC] [RLC] [R] [R] [RLC] [RLC] [RLC] [RLC] [LED] [LED] [LED] [LED] [RC] [RC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W (LED) 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 4-100W 315W 315W 315W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3% 88% ~ 3% 87% ~ 3% 96% ~ 5% 89% ~ 27% 94% ~ 3% 98% ~ 3% 98% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8% 78% ~ 8% 95% ~ 13% 88% ~ 28% 82% ~ 3% 88% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 83% ~ 9% 88% ~ 8% 88% ~ 8% 88% ~ 8% 95% ~ 13% 88% ~ 28% 90% ~ 3% 90% ~ 3% 90% ~ 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO Schneider Schneider	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RLC] [RLC] [R] [LED/RC] [RC] [RC] [RLC] [R] [RLC] [RLC] [RLC] [LED] [LED] [LED] [LED] [LED] [RC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W (LED) 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 3% 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 87% - 33% 96% - 5% 89% - 27% 94% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8% 78% ~ 8% 88% ~ 28% 88% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 84% ~ 3% 88% ~ 8% 88% ~ 8% 88% ~ 8% 88% ~ 28% 90% ~ 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Phillips RELCO RELCO Schneider Schneider Schneider Schneider Schneider VADSBO	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315	(RLC)	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W 315W 315W 50 - 350W 50 - 315W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3% 88% ~ 3% 87% ~ 3% 96% ~ 5% 89% ~ 27% 94% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8% 95% ~ 13% 88% ~ 28% 82% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 84% ~ 3% 88% ~ 8% 88% ~ 8% 88% ~ 8% 95% ~ 13% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Phillips RELCO RELCO Schneider Schneider Schneider Schneider VADSBO VADSBO	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250	(RLC)	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W 315W 315W 50 - 350W 50 - 315W 20 - 250W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3% 88% ~ 3% 96% ~ 5% 89% ~ 27% 94% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8% 95% ~ 13% 88% ~ 28% 82% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 94% ~ 3% 88% ~ 8% 88% ~ 8% 88% ~ 8% 95% ~ 13% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 88% ~ 15% 91% ~ 6% 80% ~ 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Phillips RELCO RELCO Schneider Schneider Schneider Schneider Schneider VADSBO	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315	(RLC)	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W 315W 315W 50 - 350W 50 - 315W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 3% 97% ~ 3% 87% ~ 11% 91% ~ 7% 98% ~ 3% 93% ~ 3% 84% ~ 6% 92% ~ 3% 88% ~ 3% 87% ~ 3% 96% ~ 5% 89% ~ 27% 94% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3% 98% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 17% 88% ~ 13% 88% ~ 3% 92% ~ 3% 82% ~ 10% 78% ~ 8% 78% ~ 8% 95% ~ 13% 88% ~ 28% 82% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3% 88% ~ 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% ~ 5% 94% ~ 3% 85% ~ 16% 90% ~ 13% 90% ~ 3% 84% ~ 3% 88% ~ 8% 88% ~ 8% 88% ~ 8% 95% ~ 13% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3% 90% ~ 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider Schneider Schneider VADSBO VADSBO Varilight Varilight Vimar	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV X4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W ICT401 M 20148	(RLC) (RLC) (RLC) (RC) (RC) (RC) (RC) (RLC) (RLC) (RLC) (RLC) (RLC) (RLC) (RLC) (RC) (RC)	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W 315W 315W 50 - 350W 50 - 315W 20 - 250W 60-400W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 38 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 96% - 5% 89% - 27% 94% - 3% 98% - 3% 98% - 3% 91% - 7% 98% - 3% 95% - 3% 95% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 17% 88% - 13% 88% - 3% 92% - 3% 82% - 10% 78% - 8% 78% - 8% 95% - 13% 88% - 28% 82% - 3% 88% - 13% 88% - 3% 88% - 13% 88% - 3% 94% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 16% 90% - 13% 90% - 3% 94% - 3% 88% - 8% 88% - 8% 95% - 13% 88% - 28% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider Schneider Schneider VADSBO VADSBO Varilight Varilight Vimar	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W ICT401 M 20148 14153	(RLC (RC	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W 315W 4 - 400VA - Turn Universal (2wire) 315W 50 - 350W 50 - 315W 20 - 250W 60-400W 20-400W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 38 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 89% - 27% 94% - 3% 98% - 3% 98% - 3% 91% - 7% 98% - 3% 85% - 11% 92% - 3% 94% - 3% 95% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 17% 88% - 13% 88% - 3% 92% - 3% 82% - 10% 78% - 8% 78% - 8% 78% - 8% 95% - 13% 88% - 28% 82% - 3% 88% - 3% 88% - 3% 88% - 13% 88% - 3% 88% - 17% 90% - 7% 80% - 3% 94% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 16% 90% - 13% 90% - 3% 94% - 3% 88% - 8% 88% - 8% 88% - 8% 95% - 13% 88% - 28% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 94% - 6% 98% - 3%	
Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider Schneider Schneider VADSBO VADSBO Varilight Varilight Vimar	67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV X4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W ICT401 M 20148	(RLC) (RLC) (RLC) (RC) (RC) (RC) (RC) (RLC) (RLC) (RLC) (RLC) (RLC) (RLC) (RLC) (RC) (RC)	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W 315W 4 - 400VA - Turn Universal (2wire) 315W 50 - 350W 50 - 315W 20 - 250W 60-400W 20-400W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 38 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 96% - 5% 89% - 27% 94% - 3% 98% - 3% 98% - 3% 91% - 7% 98% - 3% 95% - 3% 95% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 17% 88% - 13% 88% - 3% 92% - 3% 82% - 10% 78% - 8% 78% - 8% 95% - 13% 88% - 28% 82% - 3% 88% - 13% 88% - 3% 88% - 13% 88% - 3% 94% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 16% 90% - 13% 90% - 3% 94% - 3% 88% - 8% 88% - 8% 95% - 13% 88% - 28% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3%	
Legrand Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Varilight Vimar Vimar	67084 67085 (078406) L4402N SBD20OLED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD42ORCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W ICT401 M 20148 14153 20160	(RLC (RC	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W 315W 315W 4 - 400VA - Turn Universal (2wire) 315W 50 - 350W 50 - 315W 20 - 250W 60-400W 20-400W 500W	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 3% 97% - 3% 87% - 11% 91% - 7% 98% - 3% 93% - 3% 84% - 6% 92% - 3% 88% - 3% 96% - 5% 89% - 27% 94% - 3% 98% - 3% 91% - 7% 98% - 3% 95% - 3% 85% - 11% 92% - 3% 94% - 3% 95% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 17% 88% - 13% 88% - 3% 92% - 3% 82% - 10% 78% - 8% 78% - 8% 78% - 8% 95% - 13% 88% - 28% 82% - 3% 88% - 3% 88% - 13% 88% - 3% 85% - 17% 90% - 7% 90% - 7% 94% - 7% 97% - 3% 90% - 3%		1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	N.A. 92% - 5% 94% - 3% 85% - 16% 90% - 13% 90% - 3% 94% - 3% 88% - 8% 88% - 8% 95% - 13% 88% - 28% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 90% - 3% 91% - 6% 98% - 3% 91% - 6% 98% - 3% 91% - 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 recommend to use dimmable lamps in combination with it.
- #2) Occupancy sensors can act like dimmers, therefore Philips recommend 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 will be >10%, and/or maximum level will be <80% lightlevel
 #5) Various dimmer suppliers offer "active loads" (e.g. Rusch, larger Kompensator 5596) to optimize dimming performance in case of lamp-dimmer system issues. Using double po
- #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
 #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaimer











Recommended dimmer compatibility list for Mains Voltage Lamps



KEY

1			
	x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance	This document is for information purposes
	x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
Ì		Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
	N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
ľ	T.B.D.	Dimmer lamp combination not tested	might contain jaatts

								Classic LED bulb	s			
					E27			E27	•		E27	
					5.5 - 40W A60 Dimmable WarmGlow	,		8.5 - 60W A60 Dimmable WarmGlov	<i>y</i>		12 - 100W A67 Dimmable	
											(0)	
					N.			M			18	
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				iing rman	in a	ing	iin g rman	in a	ing	ning rman	ii a	.ug
Brand	Туре	Туре	Load	Dimming Performa	Dimmin	Glowing	Dimming	Dimming Range	Glowing	Dimming	Dimmin _i Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	87% ~ 3%		1-3	98% ~ 4%		1-3	92% ~ 14%	
Berker INSTA Bticino	283010 L4407	[R]	60 ~ 400 W - Turn 60 ~ 250 W	1-3	90% ~ 3% N.A.	N.A.	1-3	95% ~ 3% N.A.	N.A.	1-3	98% ~ 14%	
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	93% ~ 3%	IN.A.	1-3	94% ~ 5%	IN.A.	1-3	97% ~ 7%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 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	98% ~ 15%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	94% ~ 8%		1-3	96% ~ 5%		1-3	96% ~ 13%	
Busch Jaeger ABB Busch Jaeger ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	1-3 1-3	86% ~ 3% 91% ~ 4%		1-3 1-3	89% ~ 3% 88% ~ 5%		1-3	94% ~ 19%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	90% ~ 15%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	90% ~ 3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	89% ~ 3%		1-3	95% ~ 3%		1 -3	93% ~ 15%	
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400W 3-wire Push Module 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1-3	90% ~ 15%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	90% ~ 15%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	1-3	89% ~ 3%		1-3	95% ~ 3%		1 -3	93% ~ 15%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 5%		1-3	88% ~ 5%				
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	86% ~ 3%		1-3	91% ~ 3%		1 -3	97%5%	
Hager Hager	EVN 011 EVN 012	[RC]	300VA 300W	1-3 1-3	98% ~ 3% 98% ~ 3%		1-3 1-3	93% ~ 3% 93% ~ 3%				
Hager	EVN 004	[RL]	500VA	1-3	98% ~ 3%		1-3	93% ~ 3%				
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	93% ~ 3%		1-3	96% ~ 5%		1 -3	94% ~ 16%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	87% ~ 7%		1-3	91% ~ 7%		1 -3	97%3%	
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W - 3-wire Push LED Dimmer	1-3	82% ~ 4%		1-3	83% ~ 5%				
Legrand	774161	[RL]	40 ~ 400 W - Turn			N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	1-3	96% ~ 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.	10	N.A.	N.A.			
Legrand Legrand	67083 67084	[RLC]	3 ~ 400W 8 - 300 VA - Push LED (3wire)	1-3	N.A. 95% ~ 3%	N.A.	1-3 1-3	90% ~ 3% 95% ~ 3%		1-3	98% ~ 4%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	88% ~ 17%		1-3	95% ~ 3%		1-3	94% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W		N.A.	N.A.	2-3	83% ~ 5%				
Merten Schneider	SBD200LED (MEG5134-0000)	-	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		1 -3	90% ~ 15%	
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC]	315W 20 ~ 420 VA	1-3	93% ~ 3% 89% ~ 3%		1-3 1-3	92% ~ 3% 95% ~ 3%		1 -3 1 -3	90% ~ 3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	N.A.	N.A.	1-3	80% ~ 3%		1-3	93% ~ 15% 84% ~ 16%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	85% ~ 3%		1-3	90% ~ 3%		1-3	91% ~ 8%	
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	88% ~ 3%		1-3	83% ~ 3%				
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	88% ~ 3%		1-3	85% ~ 3%				
NIKO PEHA	310-0280X 431HAN	[LED]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	1-3 1-3	98% ~ 4% 88% ~ 4%		1-3 1-3	95% ~ 5% 83% ~ 5%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	86% ~ 3%		1-3	89% ~ 3%				
RELCO	RP0977	[LED]	4-100W							1 -3	99% ~ 23%	
		[LED]	4-100W							1 -3	83% ~ 6%	
RELCO	RM0545				93% ~ 3%		1-3	92% ~ 3%		1 -3	90% ~ 3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3			1.3	0.20/ 20/		1.2	00% 3%	
Schneider Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)		315W	1-3 1-3 1-3	93% ~ 3%		1-3 1-3	92% ~ 3% 90% ~ 4%		1 -3 1 -3	90% ~ 3% 90% ~ 15%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]		1-3			1-3 1-3 1-3	92% ~ 3% 90% ~ 4% 90% ~ 4%		1 -3 1 -3 1 -3	90% ~ 3% 90% ~ 15% 90% ~ 3%	
Schneider Schneider Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350	[RC]	315W 4 – 400VA - Turn Universal (2wire) 315W 50 – 350W	1-3 1-3	93% ~ 3% 88% ~ 3%		1-3 1-3 1-3	90% ~ 4%		1-3	90% ~ 15%	
Schneider Schneider Schneider Schneider VADSBO VADSBO	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315	[RC] [RC] [RC] [RC]	315W 4 – 400VA - Turn Universal (2wire) 315W 50 – 350W 50 – 315W	1-3 1-3 1-3 1-3	93% ~ 3% 88% ~ 3% 93% ~ 3% 91% ~ 5% N.A.	N.A.	1-3 1-3 1-3 1-3	90% ~ 4% 90% ~ 4% 85% ~ 5% 93% ~ 3%	<2	1-3	90% ~ 15%	
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250	[RC] [RC] [RC] [RC] [RC] [RC]	315W 4 – 400VA - Turn Universal (2wire) 315W 50 – 350W 50 – 315W 20 – 250W	1-3 1-3 1-3 1-3	93% ~ 3% 88% ~ 3% 93% ~ 3% 91% ~ 5% N.A. 88% ~ 3%	N.A. <4	1-3 1-3 1-3 1-3 1-3	90% 4% 90% 4% 85% 5% 93% 3% 83% 3%	<2 <4	1 -3 1 -3	90% ~ 15% 90% ~ 3%	
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315	[RC] [RC] [RC] [RC] [RC] [RC] [RC]	315W 4 – 400VA - Turn Universal (2wire) 315W 50 – 350W 50 – 315W	1-3 1-3 1-3 1-3	93% ~ 3% 88% ~ 3% 93% ~ 3% 91% ~ 5% N.A.		1-3 1-3 1-3 1-3	90% ~ 4% 90% ~ 4% 85% ~ 5% 93% ~ 3%		1-3	90% ~ 15%	
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W	[RC] [RC] [RC] [RC] [RC] [RC]	315W 4 – 400VA - Turn Universal (2wire) 315W 50 – 350W 50 – 315W 20 – 250W 60-400W	1-3 1-3 1-3 1-3	93% ~ 3% 88% ~ 3% 93% ~ 3% 91% ~ 5% N.A. 88% ~ 3%		1-3 1-3 1-3 1-3 1-3	90% 4% 90% 4% 85% 5% 93% 3% 83% 3%		1 -3 1 -3	90% ~ 15% 90% ~ 3%	
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Varilight Vimar	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W ICT401 M 20148 14153	[RC] [RC] [RC] [RC] [RC] [RC] [R] [RC] [RL]	315W 4 - 400VA - Turn Universal (2wire) 315W 50 - 350W 50 - 315W 20 - 250W 60-400W 20-400W	1-3 1-3 1-3 1-3	93% - 3% 88% - 3% 93% - 3% 91% - 5% N.A. 88% - 3% 92% - 3% N.A. 98% - 3%	<4 N.A.	1-3 1-3 1-3 1-3 1-3 1-3	90% - 4% 90% - 4% 85% - 5% 93% - 3% 83% - 3% 99% - 3% N.A. 98% - 3%	<4 N.A.	1-3 1-3 1-3	90% 15% 90% 3% 96% 3%	
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Varilight Vimar Vimar	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W ICT401 M 20148 14153 20160	[RC] [RC] [RC] [RC] [RC] [RC] [RC] [R] [RC] [RL] [R]	315W 4 - 400VA - Turn Universal (2wire) 315W 50 - 350W 50 - 315W 20 - 250W 60-400W 20-400W 500W	1-3 1-3 1-3 1-3 1-3 1-3	93% ~ 3% 88% ~ 3% 93% ~ 3% 91% ~ 5% N.A. 88% ~ 3% 92% ~ 3% N.A. 98% ~ 3% N.A.	<4 N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3	90% - 4% 90% - 4% 85% - 5% 93% - 3% 83% - 3% 99% - 3% N.A. 98% - 3% 93% - 3%	<4 N.A.	1-3 1-3 1-3 1-3	90% - 15% 90% - 3% 96% - 3% 97% - 8%	
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Varilight Vimar	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W ICT401 M 20148 14153	[RC] [RC] [RC] [RC] [RC] [RC] [R] [RC] [RL]	315W 4 - 400VA - Turn Universal (2wire) 315W 50 - 350W 50 - 315W 20 - 250W 60-400W 20-400W	1-3 1-3 1-3 1-3 1-3 1-3	93% - 3% 88% - 3% 93% - 3% 91% - 5% N.A. 88% - 3% 92% - 3% N.A. 98% - 3%	<4 N.A.	1-3 1-3 1-3 1-3 1-3 1-3	90% - 4% 90% - 4% 85% - 5% 93% - 3% 83% - 3% 99% - 3% N.A. 98% - 3%	<4 N.A.	1-3 1-3 1-3	90% 15% 90% 3% 96% 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 lamps to 20% of specified power; LED dimmers can be loaded to specified power)

 #2) Occupancy sensors can act like dimmers, therefore Philips recommend 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.
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- #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.
- #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 lab (#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 #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaime









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	This document is for information purposes
ı	x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
		Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
	N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
	TRD	Dimmer Jamp combination not tested	might contain judits

				Classic LED bulbs								
				8 - 50W	E27 A60 gold / 5.5 - 40 ST64 gold / 8 - 60V V G93 CL / 8 - 60W	W ST64 CL	5.5 - 40W A60 CL	E27 / 8 - 50W ST64 gold / / 8 - 60W A60 CL / 5.5 / 8.5 - 60W ST64 WGD	- 40W A60 WGD		E27 5200 GOLD DIM / 6.5 - GOLD DIM .5 - 40W T65 GOLD DII	
												+ and
					NEW						NEW	
				ance	ha		ance	ha		ance	ha	
	I_	1_	1	Dimming Performar	Dimming Range	Glowing	Dimming	Dimming	Glowing	Dimming Performan	Dimming Range	Glowing
Brand Berker INSTA	Type 286710	Type [RC]	Load 20 ~ 360 W - Turn	1-3	99% ~ 3%	U	1-3	98% ~ 3%	U	1-3	87% ~ 15%	U
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	99% ~ 3%		2-3	97% ~ 3%		1-2	93% ~ 7%	
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	99% ~ 3%		1-3	98% ~ 8%		1-3	97% ~ 13%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	99% ~ 3%		1-3	98% ~ 3%		1-3	92% ~ 3%	
Busch Jaeger ABB Busch Jaeger ABB	2250 U 6513 U - 102	[R] [RC]	60 ~ 600 W - Turn 40 ~ 420 W - Turn	1-3 1-3	99% ~ 3% 99% ~ 3%		1 -3 1 -3	97% ~ 3% 99% ~ 3%		1-2 1-3	91% ~ 12% 92% ~ 13%	
Busch Jaeger ABB	6523 U	[LED]	2~100 VA-LED - Turn	1-3	99% ~ 3%		1-3	97% ~ 3%		1-3	84% ~ 16%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	97% ~ 3%		1-3	93% ~ 3%		1-3	98% ~ 15%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	91% ~ 16%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2-3	99% ~ 3%		2-3	98% ~ 3%		1-3	91% ~ 3%	
ELKO Schneider Eltako	SBD420RCRL (CCTEL13011) EVD61NPN-UC	[RLC]	420W 400W 3-wire Push Module	1-3	N.A. 97% ~ 3%	N.A.	1-3	N.A. 91% ~ 3%	N.A.	3 1-3	94% ~ 17% 99% ~ 7%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	91% ~ 16%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	2-3	99% ~ 3%		2-3	98% ~ 3%		1-3	91% ~ 3%	
Feller Schneider	40420 (SBD420)	[RLC]	420W		N.A.	N.A.		N.A.	N.A.	3	94% ~ 17%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	97% ~ 3%		1-3	99% ~ 3%		1-3	98% ~ 28%	
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	99% ~ 3%		1.2	02% 2%		1-3	83% ~ 4%	
Hager Hager	EVN 011 EVN 012	[RC]	300VA 300W	1-3 1-3	97% ~ 3% 97% ~ 3%		1 -3 1 -3	92% ~ 3% 92% ~ 3%		1-3 1-3	99% ~ 19% 99% ~ 19%	
Hager	EVN 004	[RL]	500VA	1-3	97% ~ 3%		1-3	92% ~ 3%		1-3	99% ~ 20%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	98% ~ 3%		1-3	98% ~ 3%		1-3	89% ~ 17%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	99% ~ 3%		1-3	97% ~ 3%		1-3	83% ~ 4%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	1-3	99% ~ 12%		1-3	86% ~ 4%		1-3	87% ~ 30%	
Klik aan Klik uit	ACM 300 774161	[RL]	300W - 3-wire Push LED Dimmer 40 ~ 400 W - Turn		N.A. N.A.	N.A.	1 -3 2-3	92% ~ 3% 98% ~ 3%		1-3 3	90% ~ 11% 95% ~ 9%	
Legrand Legrand	78401	[RLC]	40 ~ 500W	1-3	97% ~ 3%	N.A.	1-3	91% ~ 3%		1-3	97% ~ 10%	
Legrand	67081	[RL]	40 ~ 400 W - Turn					N.A.	N.A.			
Legrand	67082	[RL]	40 ~ 600 W - Turn				2-3	97% ~ 3%				
Legrand	67083	[RLC]	3 ~ 400W	1	96% ~ 3%		1-3	90% ~ 3%		1-3	88% ~ 6%	
Legrand	67084 67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	99% ~ 3%		1-3 1-3	97% ~ 3%		2-3 1-3	92% ~ 8%	
Legrand Legrand	L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60 ~ 500W	1-3	99% ~ 3% N.A.	N.A.	2 -3	97% ~ 3% 88% ~ 3%		2-3	93% ~ 3% 85% ~ 20%	
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200W(RC) 4 ~ 400W(RL)	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	91% ~ 16%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-3	99% ~ 3%		2-3	98% ~ 3%		1-3	91% ~ 3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.	3	94% ~ 17%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	99% ~ 3%	N.A.	2-3	93% ~ 3%		1.2	68% ~ 12%	
MK - Electric MK - Electric	K1501 WHILV K4501 WHILV	[R] [RLC]	60 ~ 500 W - Turn 180W		N.A. N.A.	N.A.	1-3 1 -3	98% ~ 3% 98% ~ 3%		1-2 1-3	84% ~ 8% 87% ~ 12%	
MK - Electric	K4500 WHILV	[RLC]	400W		N.A.	N.A.	1-3	92% ~ 3%		1-3	88% ~ 12%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	97% ~ 3%		1-3	91% ~ 3%		1-3	96% ~ 2%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-3	97% ~ 3%		1-3	97% ~ 3%		1-3	89% ~ 4%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)		000/ 30/		1-3	97% ~ 3%		1-3	84% ~ 16%	
RELCO RELCO	RP0977 RM0545	[LED]	4-100W 4-100W	1-3 1-3	99% ~ 3% 99% ~ 3%		1 -3 1 -3	98% ~ 3% 92% ~ 3%		1-3 1-3	98% ~ 4% 91% ~ 10%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-3	99% ~ 3%		2-3	98% ~ 3%		1-3	91% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-3	99% ~ 3%		2-3	98% ~ 3%		1-3	91% ~ 3%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	91% ~ 16%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-3	99% ~ 3%		2-3	98% ~ 3%		1-3	91% ~ 3%	
VADSBO VADSBO	ED 350 DRS 315	[RC]	50 ~ 350W 50 ~ 315W	1-3	97% ~ 3% N.A.	N.A.	1-3	98% ~ 3% N.A.	N.A.	1-3	93% ~ 25% N.A.	N.A.
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	97% ~ 3%	TV/A	1-3	N.A. 84% ~ 3%	N.M.	1-3	N.A. 89% ~ 4%	N/A
Varilight	HQ3W	[R]	60-400W	1-3	99% ~ 3%		2 -3	97% ~ 3%		1-3	89% ~ 5%	
Varilight	ICT401 M	[RC]	20-400W	1-3	88% ~ 3%		1-3	75% ~ 3%		1-3	88% ~ 9%	
Vimar	20148	[RL]	500W		N.A.	N.A.	1-3	98% ~ 3%		1-3	94% ~ 8%	
Vimar	14153	[R]		1-2	N.A.	N.A.	1-3	89% ~ 3%		1-3	99% ~ 4%	
Vimar Vimar	20160	[RC]	40 ~ 300W	1-3 1-3	97% ~ 3% 99% ~ 3%		1 -3 1 -3	91% ~ 3% 98% ~ 3%		1-3 1-3	99% ~ 5% 93% ~ 5%	
IKEA	E0902 - Dim	[R]	25 ~ 150W	1-3	99% ~ 3%		1-3	98% ~ 3%		1-3	92% ~ 5%	
Note :												

Note:

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- LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

 #2) Occupancy sensors can act like dimmers, therefore Philips recommend 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.
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Disclaime









Recommended dimmer compatibility list for Mains Voltage Lamps



KEY

1			
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	x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
Ì		Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
	N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
ľ	T.B.D.	Dimmer lamp combination not tested	might contain jaatts

				Classic LED bulbs								
					E27			E27			E27	
				5	- 30W Mushroom gol	ld		5 - 40W Diamond Cle	ar		- 25W Giant G200 sm	
										6.5	i - 25W Giant A160 sm 6.5 - 25W T65 smoky	
										1		
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					NEW			NEW			NEW	
								11211			1.2.1	
				ance	po.		ance	po.		ance	ha	
				Dimming Performa	Dimming Range	Glowing	Dimming Performan	Dimming Range	Glowing	Dimming Performan	Dimming	Glowing
Brand	Туре	Туре	Load	Dir. Per	Dim Ran	Glo	Dir. Per	Dirr Ran	Glo	Dirr Per	Dirr Ran	Glo
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	99% ~ 3%		1-3	99% ~ 3%		1-3	91% ~ 6%	
Berker INSTA	283010 L4407	[R]	60 ~ 400 W - Turn	2-3	99% ~ 3%	NI A	2-3	99% ~ 3%		1-3	93% ~ 4%	
Bticino Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 250 W 60 ~ 400 W - Turn	1-3	N.A. 99% ~ 7%	N.A.	2-3 1-3	82% ~ 3% 99% ~ 8%		1-3	93% ~ 13%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	99% ~ 3%		2-3	99% ~ 3%		1-3	92% ~ 3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	93% ~ 3%	
	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	99% ~ 3%		1-3	99% ~ 3%		1-3	93% ~ 4%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	99% ~ 3%		1-3	99% ~ 3%		1-3	90% ~ 8%	
Busch Jaeger ABB ELKO Schneider	6526 U SBD200LED (CCTEL10501)	[LED]	2 ~ 100 VA-LED - Push (2wire) 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	99% ~ 3% N.A.	N.A.	1-3 1-3	99% ~ 3% 99% ~ 3%		1-3	92% ~ 6%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2-3	99% ~ 3%	Thirt	2-3	99% ~ 3%		1-3	90% ~ 3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.		N.A.	N.A.	2-3	95% ~ 5%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	1-3	989 ~ 3%		1-3	99% ~ 3%				
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL) 300W	2-2	N.A. 99% ~ 3%	N.A.	1-3	99% ~ 3%		1-3 1-3	92% ~ 6%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	2-3	99% ~ 3% N.A.	N.A.	2-3	99% ~ 3% N.A.	N.A.	2-3	90% ~ 3% 95% ~ 5%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	99% ~ 3%		1-3	99% ~ 3%				
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	99% ~ 3%		1-3	99% ~ 3%		1-3	89% ~ 3%	
Hager	EVN 011	[RC]	300VA	1-3	99% ~ 3%		1-3	99% ~ 3%				
Hager	EVN 012 EVN 004	[RC]	300W 500VA	1-3 1-3	99% ~ 3% 99% ~ 3%		1-3 1-3	97% ~ 3% 99% ~ 3%				
Hager Jung	225 TDE	[RL]	20 ~ 525 W - Turn	1-3	99% ~ 3%		1-3	99% ~ 3%		1-3	92% ~ 7%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	99% ~ 3%		1-3	99% ~ 3%		1-3	88% ~ 3%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W		N.A.	N.A.	1-3	99% ~ 4%				
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	2-3	98% ~ 3%		2-3	99% ~ 3%				
Legrand	774161 78401	[RL]	40 ~ 400 W - Turn 40 ~ 500W	1-3	N.A. 98% ~ 3%	N.A.	2-3 1-3	92% ~ 3% 97% ~ 3%			N.A.	N.A.
Legrand Legrand	67081	[RLC]	40 ~ 400 W - Turn	1-5	96%~3%		1-5	9776 ~ 376				
Legrand	67082	[RL]	40 ~ 600 W - Turn									
Legrand	67083	[RLC]	3 ~ 400W	1-3	98% ~ 3%		1-3	97% ~ 3%				
Legrand		[RLC]	8 - 300 VA - Push LED (3wire)	1-3	98% ~ 4%		2-3	99% ~ 3%		1-3	94% ~ 3%	
Legrand	67085 (078406) L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60 ~ 500W	1-3	98% ~ 3% 98% ~ 3%		1-3 2-3	98% ~ 3%		1-3	97% ~ 3%	
Legrand Merten Schneider	SBD200LED (MEG5134-0000)	[R] [LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-3	98% ~ 3% N.A.	N.A.	1-3	97% ~ 3% 99% ~ 3%		1-3	92% ~ 6%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	90% ~ 3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.	2-3	95% ~ 5%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-3	92% ~ 3%		2-3	92% ~ 3%		2-3	81% ~ 5%	
MK - Electric MK - Electric	K1501 WHILV K4501 WHILV	[R]	60 ~ 500 W - Turn 180W	1 or 3 1-3	99% ~ 3% 98% ~ 3%		1-3 1-3	99% ~ 3% 99% ~ 3%		2-3	87% ~ 3%	
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	98% ~ 3% 98% ~ 3%		1-3	99% ~ 3% 98% ~ 3%				
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	98% ~ 3%		1-3	98% ~ 3%				
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-3	97% ~ 3%		1-3	98% ~ 3%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)									
RELCO RELCO	RP0977 RM0545	[LED]	4-100W 4-100W	1-3 1-3	99% ~ 3% 99% ~ 3%		1-3 1-3	99% ~ 3% 99% ~ 3%		1-3 1-3	96% ~ 16% 90% ~ 3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	90% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	90% ~ 3%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)		N.A.	N.A.	1-3	99% ~ 3%		1-3	92% ~ 6%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-3	99% ~ 3%		2-3	99% ~ 3%		1-3	90% ~ 3%	
VADSBO VADSBO	DRS 315	[RC]	50 ~ 350W 50 ~ 315W	1-3 3	98% ~ 3% 98% ~ 3%		1-3	97% ~ 3% N.A.	N.A.			
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	98% ~ 3%		1-3	N.A. 91% ~ 3%	IV.A.			
Varilight	HQ3W	[R]	60-400W	2-3	98% ~ 3%		2-3	92% ~ 3%		2-3	92% ~ 3%	
Varilight	ICT401 M	[RC]	20-400W	2-3	87% ~ 3%		1-3	93% ~ 3%				
Vimar	20148	[RL]	500W	1-3	99% ~ 3%	< 2	2-3	99% ~ 3%	< 2	1 or 3	92% ~ 3%	
Vimar Vimar	14153 20160	[R]		3 1-3	98% ~ 3% 99% ~ 3%		1-3 1-3	98% ~ 3% 99% ~ 3%				
Vimar	20162	[RL]	40 ~ 300W	1-3	99% ~ 3%	< 2	1-3	99% ~ 3%		1-3	90% ~ 4%	
IKEA	E0902 - Dim	[R]	25 ~ 150W	1-3	98% ~ 3%		2-3	99% ~ 3%		1-3	92% ~ 3%	
Note:												

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)
- LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

 #2) Occupancy sensors can act like dimmers, therefore Philips recommend 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)
- #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 proble #4b) Yellow cells indication: Dimming range, minimum dim level will be >10%, and/or maximum level will be <80% lightlevel
- #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.
- #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 lab #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 #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaime











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	This document is for information purposes
	x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
Ì		Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
	N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
	T.B.D.	Dimmer lamp combination not tested	might contain juuts

							LEC) candle / LED lu	stre					
					E14/E27			E14 / E27		_	E14			
					4 - 25W Dimmable WarmGlow	,		6 - 40W Dimmable WarmGlow	ı	8	60W B40 / 6 - 40W I Dimmable Wamglow	248		
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				*	* * *	*				4 4 4 4				
											NEW			
				ance	be		ance	bo		ance	bo			
				Dimming Performal	Dimming	Glowing	Dimming	Dimming Range	Glowing	Dimming Performance	Dimming	Glowing		
Berker INSTA	Type 286710	Type [RC]	Load 20 ~ 360 W - Turn	2-18	5 ₽ 96% ~ 3%	ช		5 ₽ 93% ~ 3%	ថ	2-12		ช		
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2-10	89% ~ 3%		2-12 2-13	89% ~ 3%		2-12	90% ~ 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	2-20	92% ~ 3%		2-13	92% ~ 3%						
Busch Jaeger ABB Busch Jaeger ABB	2247 U 2250 U	[RL] [R]	20 ~ 500 W - Turn 60 ~ 600 W - Turn	2-25 2-30	91% ~ 3% 88% ~ 3%		2-17 2-20	91% ~ 3% 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	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	2-20	88% ~ 7%	<4	2-17	88% ~ 5%	< 6	2-17	99% ~ 3%			
ELKO Schneider ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-20 2-15	95% ~ 3% 88% ~ 3%		2-13 2-11	92% ~ 3% 87% ~ 0%		2-13 2-11	90% ~ 3% 90% ~ 3%			
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2-20	91% ~ 3%		2-14	90% ~ 3%		2.11	3070 - 370			
Eltako	EVD61NPN-UC		400W 3-wire Push Module							2-13	99% ~ 3%			
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 Feller Schneider	40300 (SBD315) 40420 (SBD420)	[RLC]	300W 420W	2-15 2-20	88% ~ 3% 91% ~ 3%		2-11 2-14	87% ~ 0% 90% ~ 3%		2-11	90% ~ 3%			
GIRA	1176-00/01	[RLC]	50 ~ 420W	2-20	95% ~ 7%	<7	2-14	95% ~ 5%	< 9	2-14	99% ~ 4%			
GIRA	2390 00/ 100	[LED]	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	2-10	99% ~ 3%			
Hager	EVN 012	[RC]	300W		95% ~ 4%	<7 -7	2-10	95% ~ 3%	< 10	2-10	99% ~ 3%			
Hager Jung	225 TDE	[RL]	500VA 20 ~ 525 W - Turn	2-26	95% ~ 7% 89% ~ 3%	<7	2-17 2-18	96% ~ 4% 89% ~ 3%	< 11	2-10 2-10	99% ~ 3% 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	2-4	88% ~ 3%			
Klik aan Klik uit	ACM 300	(DL)	300W - 3-wire Push LED Dimmer		N/A			N A	N/ A	2-10	94% ~ 3%			
Legrand Legrand	774161 78401	[RL]	40 ~ 400 W - Turn 40 ~ 500W	2-20	N.A. 95% ~ 4%	N.A. <7	2-13	N.A. 93% ~ 4%	N.A. < 9	2-13	99% ~ 3%			
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 8 - 300 VA - Push LED (3wire)		N.A.	N.A.		N.A.	N.A.	2-5	87% ~ 3%			
Legrand Legrand	67084 67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire)	2-15	N.A. 94% ~ 3%	N.A.	2-10	N.A. 91% ~ 3%	N.A.	2-10	95% ~ 3%			
Legrand	L4402N	[R]	60 ~ 500W	2 15	79% ~ 4%		8-17	79% ~ 4%		3-17	90% ~ 3%			
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 MK - Electric	SBD420RCRL (MEG5138-0000) K1535	[RLC]	20 ~ 420 VA 65 ~ 450 W - Turn	2-20 2-23	91% ~ 3% 79% ~ 3%		2-14 2-15	90% ~ 3% 77% ~ 3%		2-15	80% ~ 3%			
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-25	88% ~ 3%		2-17	87% ~ 3%		2-15	80% ~ 3%			
MK - Electric	K4501 WHILV	[RLC]	180W		83% ~ 3%		2-7	82% ~ 3%		2-7	90% ~ 3%			
MK - Electric	K4500 WHILV	[RLC]	400W	2.5	83% ~ 3%		2.2	N.A.	N.A.	2-13	84% ~ 3%			
NIKO PEHA	310-0280X 431HAN	[LED]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	2-5	96% ~ 5% 82% ~ 7%		2-3 2-4	96% ~ 4% 82% ~ 5%		2-3 2-4	99% ~ 3% 89% ~ 3%			
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							2-3	99% ~ 4%			
RELCO	RM0545	[LED]	4-100W	2.45	200 200		2.11	070/ 20/		2-3	96% ~ 3%			
Schneider Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RC]	315W 315W	2-15 2-15	88% ~ 3% 88% ~ 3%		2-11 2-11	87% ~ 3% 87% ~ 3%		2-11 2-11	90% ~ 3% 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%		2-12	90% ~ 3%			
VADSBO VADSBO	DRS 315 DU 250	[RC]	50 ~ 315W 20 ~ 250W	4-16 2-13	89% ~ 4% 86% ~ 3%		5-11 2-8	91% ~ 4% 79% ~ 3%	< 12 < 8	3-11 2-8	80% ~ 3% 85% ~ 3%			
Varilight	HQ3W	[R]	60-400W	2-13	91% ~ 3%		2-13	90% ~ 3%		2-13	90% ~ 3%			
Varilight	ICT401 M	[RC]	20-400W							2-13	88% ~ 3%			
Vimar	20148	[RL]	500W	6-25	90% ~ 3%	< 6	4-17	92% ~ 3%	<4 -					
Vimar Vimar	14153 20160	[R]		2-20	99% ~ 3% 89% ~ 3%		2-17 2-10	96% ~ 3% 89% ~ 3%	< 7 < 11	2-17 2-17	93% ~ 3% 96% ~ 3%			
Vimar	20162	[RL]	40 ~ 300W	6-15	92% ~ 3%	<6	4-10	86% ~ 3%	<4	2-1/	3070~ 370			
IKEA	E0902 - Dim	[R]	25 ~ 150W											
Note:														

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- #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.
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- #4b)Yellow cells indication: Dimming range, minimum dim level will be >10%, and/or maximum level will be <80% lightlevel #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.
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Recommended dimmer compatibility list for Mains Voltage Lamps

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x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance	This document is for information purposes
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	Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	migni contain jaalis

							LEC	candle / LED lu	stre				
					E14 4 - 15W Flame		2.	B35/P45 7 - 25W CL / 5 - 40W 5 - 35W Gold	CL		E14/E27 5 - 32W B35 gold 5 - 32W P45 gold 5 - 32W BA35 gold		
				Ī			T T	T	T T				
	I_	I_	I	Dimming	Dimming Range	Glowing	Dimming	Dimming Range	Glowing	Dimming Performance	Dimming Ange	Glowing	
Brand Berker INSTA	Type 286710	Type [RC]	Load 20 ~ 360 W - Turn	2 - 20	∆ ≈ 89% ~ 16%	U U	2-8	99% ~ 3%	U	2 - 10	94%- 3%	U	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2 - 20	93% ~ 12%		2-8	99% ~ 3%		2 - 10	97%- 3%		
Bticino	L4407	[14]	60 ~ 250 W	2 20	N.A.	N.A.	2.0	N.A.	N.A.	2 10	3770 370		
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2 - 20	94% ~ 14%		2-8	99% ~ 12%		2 - 10	97%- 11%		
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	2 - 20	93% ~ 3%		2-8	99% ~ 3%		2 - 10	97%- 3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	2 - 20	94% ~ 3%		3-8	99% ~ 3%		2 - 10	95%- 3%		
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2 - 20	91% ~ 15%		2-8	99% ~ 3%		3 - 10	97%- 3%		
Busch Jaeger ABB Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	2 - 20 2 - 20	88% ~ 3% 96% ~ 14%		2-6 2-20	99% ~ 3% 97% ~ 3%		2 - 10	97%- 3%		
ELKO Schneider	6526 U SBD200LED (CCTEL10501)	[LED]		2 - 20	89% ~ 21%		2-20	97% ~ 3%		5 - 10	96%- 3%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2 - 16	88% ~ 3%		3-8	99% ~ 3%		5 - 10	97%- 3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2 - 20	94% ~ 5%		3-8	99% ~ 3%			N.A.	N.A.	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	2 - 20	99% ~ 5%		2-16	96% ~ 3%					
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2 - 20	89% ~ 21%		2-8	99% ~ 3%		5 - 10	96%- 3%		
Feller Schneider	40300 (SBD315)	[RLC]	300W	2 - 16	88% ~ 3%		3-8	99% ~ 3%		5 - 10	97%- 3%		
Feller Schneider GIRA	40420 (SBD420) 1176-00/01	[RLC]	420W 50 ~ 420W	2 - 20 2 - 20	94% ~ 5% 98% ~ 29%		3-8 2-17	99% ~ 3% 97% ~ 3%			N.A.	N.A.	
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	2 - 20	89% ~ 7%		2-8	99% ~ 19%		2 - 10	97%- 3%		
Hager	EVN 011	[RC]	300VA	2 - 15	89% ~ 7%		2-12	96% ~ 3%					
Hager	EVN 012	[RC]	300W	2 - 15	97% ~ 19%		2-12	96% ~ 3%					
Hager	EVN 004	[RL]	500VA	2 - 20	98% ~ 20%		2-20	96% ~ 3%					
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2 - 20	91% ~ 19%		2-8	99% ~ 3%		2 - 10	94%- 3%		
Jung Klik aan Klik uit	1271LEDDE AWMD-250	[LED]	3 ~ 100W - Push (3wire) 3 ~ 24W	2 - 20 2 - 6	90% ~ 5% 84% ~ 29%		2-8 2-5	99% ~ 3% 93% ~ 4%		2 - 10	95%- 3%		
Klik aan Klik uit	ACM 300	[CED]	300W - 3-wire Push LED Dimmer	2-0	N.A.	N.A.	2-12	96% ~ 3%					
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	3-8	99% ~ 3%			N.A.	N.A.	
Legrand	78401	[RLC]	40 ~ 500W	2 - 20	96% ~ 14%		2-16	95% ~ 3%					
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	2 20	N.A.	N.A.	2-16	95% ~ 3%		2 10	070/ 20/		
Legrand Legrand	67084 67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire)	2 - 20 2 - 20	94% ~ 9% 94% ~ 9%		2-8 2-8	99% ~ 3% 99% ~ 3%		2 - 10 2 - 10	97%- 3% 94%- 3%		
Legrand	L4402N	[R]	60 ~ 500W	5 - 20	84% ~ 21%		3-20	95% ~ 3%		2 - 10	9476-376		
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]		2 - 20	89% ~ 21%		2-8	99% ~ 3%		5 - 10	96%- 3%		
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2 - 16	88% ~ 3%		3-8	99% ~ 3%		5 - 10	97%- 3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2 - 20	94% ~ 5%		3-8	99% ~ 3%			N.A.	N.A.	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2 - 20	80% ~ 11%		3-8	99% ~ 3%		2 - 10	97%- 3%		
MK - Electric MK - Electric	K1501 WHILV K4501 WHILV	[R] [RLC]	60 ~ 500 W - Turn 180W	3 - 20 2 - 10	85% ~ 11% 86% ~ 10%		3-8 3-9	99% ~ 3% 96% ~ 3%		2 - 10	97%- 3%		
MK - Electric	K4500 WHILV	[RLC]	400W	2 - 10	87% ~ 10%		8-16	96% ~ 3%					
NIKO	310-0280X	[LED]	2 ~ 100 VA	2 - 5	99% ~ 3%		2-4	94% ~ 3%					
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	2 - 6	86% ~ 3%		2-5	96% ~ 3%					
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2 - 20	88% ~ 3%		2-6	99% ~ 3%					
RELCO	RP0977	[LED]	4-100W				2-4	96% ~ 3%		2 - 10	97%- 3%		
RELCO Schneider	RM0545 SBD315RC (SBD 315, SDD 315)	[LED]	4-100W 315W	2 - 16	88% ~ 3%		3-8	N.A. 99% ~ 3%	N.A.	2 - 10 5 - 10	97%- 3% 97%- 3%		
Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RC]	315W	2 - 16 2 - 16	88% ~ 3% 88% ~ 3%		3-8	99% ~ 3%		5 - 10	97%- 3%		
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	2 - 20	89% ~ 21%		2-8	99% ~ 3%		5 - 10	96%- 3%		
Schneider	SBD315RC (SBD 315)	[RC]	315W	2 - 16	88% ~ 3%		3-8	99% ~ 3%		5 - 10	97%- 3%		
VADSBO	ED 350	[RC]	50 ~ 350W	2 - 20	89% ~ 25%		2-14	95% ~ 3%					
VADSBO	DRS 315	[RC]	50 ~ 315W	10 - 16	93% ~ 15%		3-13	95% ~ 3%					
VADSBO	DU 250	[RC]	20 ~ 250W	2 - 13	84% ~ 3%		2-10	85% ~ 3%		2 - 10	06% 20%		
Varilight Varilight	HQ3W ICT401 M	[R] [RC]	60-400W 20-400W	2 - 20 2 - 20	92% ~ 3% 84% ~ 9%		3-8 3-16	99% ~ 3% 90% ~ 3%		2 - 10	96%- 3%		
Vimar	20148	[RL]	500W	2 - 20	91% ~ 8%		2-8	99% ~ 3%	<2	2 - 10	97%- 3%		
Vimar	14153	[R]		2 - 20	99% ~ 3%		5-20	96% ~ 3%					
Vimar	20160	[RC]		3 - 20	93% ~ 3%		2-20	96% ~ 3%					
Vimar	20162	[RL]	40 ~ 300W	2 - 20	89% ~ 11%		2-8	99% ~ 3%	<2	2 - 10	97%- 3%		
IKEA	E0902 - Dim	[R]	25 ~ 150W	2 - 8	92% ~ 12%		2-8	99% ~ 3%		2 - 6	97%- 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 recommend 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 will be >10%, and/or maximum level will be <80% lightlevel
- #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 #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).











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	This document is for information purposes
x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
	Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	might contain judits

				Classic LED spot														
					GU10			GU10			GU10			GU10			GU10	
					4.5 - 35W WarmGlow			5 - 50W Warmglow			4 - 35W Dimmable			5 - 50W Dimmable			7 - 80W Dim	
												8						
					Daniel Control			(IN THE			191100		,		K		(INTERES	
														1-1				
					50.50			w.w			m m			20.00			10-70	
				Jce			JCe			JCe			nce			JCe		
				Dimming Performance	ge ge	ving	ming	ming	ving	Dimming Performar	Dimming Range	ving	Dimming Performar	ning 3e	ving	Dimming Performar	min g	ving
Brand	Туре	Туре	Load	Dimr Perf	Dim	Glowing	Dimming	Dimmin	Glowing	Dim Perf	Dim	Glowing	Dim Perf	Dimmin ₁ Range	Glowing	Dim	Dimmin	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 Bticino	283010 L4407	[R]	60 ~ 400 W - Turn 60 ~ 250 W	2 - 8	87%- 3% N.A.	N.A.	2 - 8	93%- 3% N.A.	N.A.	2-20	95% ~ 24% N.A.	N.A.	2-15	88% ~ 19% N.A.	N.A.	2- 5	93%- 20%	
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 Busch Jaeger ABB	2250 U 6513 U - 102	[R]	60 ~ 600 W - Turn 40 ~ 420 W - Turn	2 - 8 2 - 8	89%- 3% 96%- 4%		2 - 8 2 - 8	94%- 3% 94%- 3%		2-20 2-20	96% ~ 7% 94% ~ 23%		2-20 2-15	98% ~ 4% 87% ~ 20%		2- 5 2- 5	95%- 4% 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	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	2 - 20	93%- 3%		2 - 20	94%- 3%		2-20	96% ~ 24%		2-18	96% ~ 18%				
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2_0	N.A. 95%- 3%	N.A.	2- 8	92%- 3%		2-20	92% ~ 29%		2-15	85% ~ 23%		2- 5 2- 5	90%- 24%	
ELKO Schneider ELKO Schneider	SBD315RC (315 GLE) SBD420RCRL (CCTEL13011)	[RC]	315W 420W	3-8	95%- 3% N.A.	N.A.	2- 8 3- 8	92%- 3% 95%- 3%		2-14 2-19	91% ~ 6% 94% ~ 14%		2-11 2-15	91% ~ 5% 97% ~ 13%		2- 5 2- 5	89%- 4% 95%- 12%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	2 - 20	99%- 3%		2 - 16	99%- 3%		2-14	99% ~ 15%	< 19	2-15	99% ~ 14%	< 16			
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2.0	N.A.	N.A.	2- 8	92%- 3%		2-20	92% ~ 29%		2-15	85% ~ 23%		2- 5	90%- 24%	
Feller Schneider Feller Schneider	40300 (SBD315) 40420 (SBD420)	[RLC]	300W 420W	3- 8	95%- 3% N.A.	N.A.	2- 8 3- 8	92%- 3% 95%- 3%		2-14 2-19	91% ~ 6% 94% ~ 14%		2-11 2-15	91% ~ 5% 97% ~ 13%		2- 5 2- 5	89%- 4% 95%- 12%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	2 - 20	93%- 3%		2- 16	94%- 3%		2-19	94% ~ 36%		2-15	95% ~ 32%			0010 1210	
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	2 - 8	91%- 3%					2-13	97% ~ 13%		2-18	90% ~ 14%		2- 5	88%- 36%	
Hager	EVN 011 EVN 012	[RC]	300VA 300W	2 - 17 2 - 17	98%- 5% 98%- 5%		2- 12 2- 12	99%- 3% 99%- 3%		2-14 2-14	97% ~ 19% 98% ~ 19%	< 6 < 5	2-11 2-11	97% ~ 16% 97% ~ 16%	< 12 < 12			
Hager Hager	EVN 004	[RL]	500VA	2 - 17	98%- 5%		2- 12	97%- 3%		2-14	98% ~ 19%	. 5	2-18	97% ~ 16%	* 12			
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 Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W - 3-wire Push LED Dimmer	2 - 7 2 - 17	83%- 7% 80%- 3%	< 3	2 - 5 2 - 12	78%- 3% 89%- 3%		2-5 2-14	88% ~ 3% 93% ~ 3%		2-4	87% ~ 37% 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 - 20	95%- 3%		2 - 16	94%- 3%		2-18	96% ~ 3%	< 3	2-15	92% ~ 16%	< 3			
Legrand Legrand	67081 67082	[RL]	40 ~ 400 W - Turn 40 ~ 600 W - Turn		N.A.	N.A.	3 - 8 3 - 8	95%- 3% 94%- 3%			N.A.	N.A.		N.A.	N.A.	2- 5 2- 5	93%- 15% 95%- 17%	
Legrand	67083	[RLC]	3~400W	2 - 20	84%- 3%	14.74	2 - 16	81%- 3%		2-3	89% ~ 12%	14.74.		N.A.	N.A.		3370 1770	
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) L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60 ~ 500W	2 - 8	99%- 3% N.A.	N.A.	2 - 8 3 - 20	95%- 3% 78%- 3%		8-20	N.A. 91% ~ 30%	N.A.	2-11 3-18	99% ~ 3% 86% ~ 28%		2- 5	97%- 3%	
Legrand Merten Schneider	SBD200LED (MEG5134-0000)	[R] [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 2- 5	95%- 12%	
MK - Electric MK - Electric	K1535 K1501 WHILV	[R]	65 ~ 450 W - Turn 60 ~ 500 W - Turn	2 - 8	N.A. 80%- 3%	N.A.	2 - 8 2 - 8	70%- 3% 87%- 3%		3-20 3-20	85% ~ 20% 89% ~ 19%		2-15 2-18	77% ~ 15% 81% ~ 17%		2- 5 2- 5	81% ~ 17% 86% ~ 15%	
MK - Electric	K4501 WHILV	[RLC]	180W	2 - 13	78%- 3%		2 - 9	86%- 3%		3-10	89% ~ 19%		2-8	90% ~ 19%				
MK - Electric	K4500 WHILV	[RLC]	400W	2 - 20	77%- 3%		2 - 16	83%- 3%		3-15	90% ~ 20%		2-15	88% ~ 19%				
NIKO PEHA	310-0280X 431HAN	[RL]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	2 - 6 2 - 3	98%- 3% 76%- 3%		2 - 4 2 - 5	97%- 3% 81%- 3%		2-5 2-5	97% ~ 8% 89% ~ 10%		2-4 2-4	97% ~ 7% 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	2 - 6	97%- 9%		2 - 4	97%- 6%										
RELCO Schneider	RM0545 SBD315RC (SBD 315, SDD 315)	[RC]	4-100W 315W	2 - 6 3- 8	94%- 3% 95%- 3%		2 - 4 2- 8	92%- 3% 92%- 3%		2-14	91% ~ 6%		2-11	91% ~ 5%		2- 5	89%- 4%	
Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCTO11533)	[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 VADSBO	SBD315RC (SBD 315) ED 350	[RC]	315W 50 ~ 350W	3- 8 2 - 20	95%- 3% 90%- 7%		2- 8 2- 14	92%- 3% 88%- 4%		2-14	91% ~ 6% 93% ~ 34%		2-11 2-13	91% ~ 5% 88% ~ 29%		2- 5	89%- 4%	
VADSBO	DRS 315	[RC]	50 ~ 315W	2 2 20	90%- 7% N.A.	N.A.	2- 14	93%- 3%		2-16 8-14	93% ~ 34% 95% ~ 24%	< 15	3-11	97% ~ 21%	< 12			
VADSBO	DU 250	[RC]	20 ~ 250W	2 - 14	91%- 3%		2 - 10	80%- 3%	<11	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 Vimar	ICT401 M 20148	[RC]	20-400W 500W	2 - 20 2 - 8	84%- 3% 87%- 3%	< 9	2 - 16 3 - 8	86%- 3% 92%- 3%	< 9	2-18 2-20	94% ~ 10% 94% ~ 17%		2-15 2-18	92% ~ 7% 88% ~ 16%	< 4	2- 5	93% ~ 14%	< 6
Vimar	14153	[R]		2 - 8	97%- 3%		2 - 20	94%- 3%		2-20	98% ~ 3%		2-18	97% ~ 9%				
Vimar	20160	[RC]		2 - 20	83%- 3%	<9	3 - 20	94%- 3%	<14	2-14	94% ~ 13%	< 15	2-18	94% ~ 12%	< 19			
Vimar IKEA	20162 E0902 - Dim	[RL] [R]	40 ~ 300W 25 ~ 150W	2 - 8	94%- 4% 87%- 3%	<9 <2	2 - 8 2 - 6	91%- 3% 93%- 3%	<9	3-13	93% ~ 14%		2-11	84% ~ 11%	< 4		90% ~ 13% 94% ~ 3%	<6
Note:		41.9	1 1 1 2 1 1		5,0									1			3,0	

- #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 recommend 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)
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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	amps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range									
	expected performance behavior, not in line with good dimming perception									
N.A.	Dimmer lamp combination not applicable									
T.B.D.	Dimmer lamp combination not tested									

and must be treated as recommendation. Philips attempted to provide best results, might contain faults

				Classic LED spot															
					R50 5 - 60W Dimmable			R63 4.5 - 60W Dimmable			PAR20 6 - 50W			PAR30 9.5 - 75W			PAR38 13 - 100W		
														Day of the second					
	I-	I_	I	Dimming Performance	Dimming ASI	Glowing	Dimming Performance	Dimming Aange Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Berker INSTA	Type 286710	Type [RC]	Load 20 ~ 360 W - Turn	1 - 15	89% ~ 20%	U	1-5	79%- 3%	U	1 - 10	91%- 12%	U	1-8	93%- 12%	U	1-5	94%- 13%	g	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1 - 4	94% ~ 14%		1 - 5	85%- 14%		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.	
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1 - 15	91% ~ 12%		1 - 5	85% ~ 6%		1 - 10	93%- 6%		1 - 8	95%- 11%		1 - 8	97%- 57%		
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	1 - 10	92% ~ 16%		1 - 5	85% ~ 3%		1 - 14	92%- 3%		1 - 11	94%- 3%		1 - 8	95%- 3%		
Busch Jaeger ABB Busch Jaeger ABB	2250 U 6513 U - 102	[R]	60 ~ 600 W - Turn 40 ~ 420 W - Turn	2 - 20 1 - 15	96% ~ 6% 94% ~ 18%		1 - 5 1 - 2	85% ~ 3% 83% ~ 3%		1 - 8 1 - 15	95%- 3% 92%- 12%		1 - 13 1 - 9	96%- 3% 93%- 12%		1 - 9	96%- 3% 93%- 12%		
Busch Jaeger ABB	6523 U	[LED]	2~100 VA-LED - Turn	1 - 20	90% ~ 2%		1 - 5	77% ~ 3%		1 - 14	93%- 3%		1 - 11	95%- 3%		1 - 15	96%- 3%		
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)							1 - 17	94%- 10%		1 - 11	95%- 12%		1 - 8	93%- 11%		
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1 - 15	89% ~ 23%		1 - 5	78% ~ 3%		1 - 10	92%- 14%		1 - 8	92%- 18%		1 - 5	93%- 15%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1 - 15	89% ~ 5%		1 - 5	77% ~ 3%		1 - 9	92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		
ELKO Schneider Eltako	SBD420RCRL (CCTEL13011) EVD61NPN-UC	[RLC]	420W 400W 3-wire Push Module	1 - 15	93% ~ 12%		3 - 5	85% ~ 3%		1 - 12 1 - 13	94%- 7% 98%- 7%		1 - 9 1 - 8	96%- 7% 95%- 7%		1 - 6	N.A. 96%- 8%	N.A.	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4~200W(RC) 4~400W(RL)	1 - 15	89% ~ 23%		1 - 5	78% ~ 3%		1 - 10	92%- 14%		1-8	92%- 18%		1-5	93%- 15%		
Feller Schneider	40300 (SBD315)	[RLC]	300W	1 - 15	89% ~ 5%		1 - 5	77% ~ 3%		1-9	92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		
Feller Schneider	40420 (SBD420)	[RLC]	420W	1 - 15	93% ~ 12%		3 - 5	85% ~ 3%		1 - 12	94%- 7%		1 - 9	96%- 7%			N.A.	N.A.	
GIRA	1176-00/01	[RLC]	50 ~ 420W							1 - 14	96%- 17%		1 - 9	88%- 7%			N.A.	N.A.	
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1 - 20	91% ~ 12%		1 - 5	79%- 3%		1 - 10	93%- 3%		1-9	97%- 3%		1 - 5	94%- 4%		
Hager Hager	EVN 011 EVN 012	[RC]	300VA 300W							1 - 10 1 - 10	98%- 8% 98%- 13%		1 - 6 1 - 6	96%- 6% 96%- 14%		5	97%- 9% 97%- 14%		
Hager	EVN 004	[RL]	500VA							1 - 17	98%- 14%		1 - 11	97%- 14%		8	97%- 14%		
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1 - 20	89% ~ 22%			N.A.	N.A.	1 - 15	98%- 13%		1 - 11	93%- 13%		1 - 8	92%- 14%		
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1 - 20	91% ~ 34%		1 - 5	80%- 3%		1 - 10	92%- 3%		1 - 10	94%- 3%		1 - 8	95%- 3%		
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W							1 - 4	93%- 19%		1-3	89%- 20%		1 - 2	92%- 21%		
Klik aan Klik uit	ACM 300 774161	[RL]	300W - 3-wire Push LED Dimmer 40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.	1 - 10 2 - 11	58%- 3% 93%- 6%		1 - 6 1 - 8	84%- 3% 96%- 6%		1 - 5 1 - 6	81%- 3% 97%- 7%		
Legrand Legrand	78401	[RLC]	40 ~ 500W		IN.A.	N.A.		IN.A.	N.A.	1 - 13	94%- 7%		5- 8	93%- 8%		1=0	N.A.	N.A.	
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.				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							1 - 3	94%- 3%		1 - 2	89%- 3%		1 - 6	92%- 3%		
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1 - 15	92% ~ 14%		1 - 2	77%- 3%		1 - 11	93%- 8%		1-8	94%- 3%			N.A.	N.A.	
Legrand Legrand	67085 (078406) L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60 ~ 500W	1 - 10	97% ~ 3%		1 - 5	93%- 3%		1 - 9	97%- 3% N.A.	N.A.	1 - 6	98%- 3% N.A.	N.A.	2- 3	N.A. 91%- 15%	N.A.	
Merten Schneider	SBD200LED (MEG5134-0000)			1 - 15	89% ~ 23%		1 - 5	78% ~ 3%		1 - 10	92%- 14%	N.A.	1 - 8	92%- 18%	IN.A.	1-5	93%- 15%		
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1 - 15	89% ~ 5%		1 - 5	77% ~ 3%		1 - 9	92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1 - 15	93% ~ 12%		3 - 5	85% ~ 3%		1 - 12	94%- 7%		1-9	96%- 7%			N.A.	N.A.	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2 - 4	82% ~ 19%		2	62%- 6%		1 - 13	77%- 7%		1 - 5	84%- 5%		1 - 7	88%- 10%		
MK - Electric	K1501 WHILV K4501 WHILV	[R]	60 ~ 500 W - Turn 180W	1 - 20	88% ~ 17%		3 - 5	69%- 3%		1 - 15	96%- 30%		1 - 7	84%- 5%		1 - 8	93%- 6%		
MK - Electric MK - Electric	K4500 WHILV	[RLC]	400W							1 - 7 1 - 11	92%- 5% 99%- 29%		1 - 9 1 - 11	93%- 8% 93%- 6%		1 - 3 1 - 6	92%- 8% 91%- 6%		
NIKO	310-0280X	[LED]	2 ~ 100 VA							1-3	96%- 4%		1 - 2	86%- 4%		1-2	94%- 5%		
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W							1 - 4	95%- 3%		1 - 3	86%- 3%		1 - 2	91%- 3%		
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)							1 - 14	93%- 3%		1 - 11	95%- 3%		1 - 15	96%- 3%		
RELCO	RP0977	[LED]	4-100W				1 - 5	94%- 4%		1 - 3	99%- 15%		1 - 2	89%- 13%		1 - 2	99%- 17%		
RELCO Schneider	RM0545 SBD315RC (SBD 315, SDD 315)	[LED]	4-100W 315W	1 - 15	89% ~ 5%		1 - 5 1 - 5	74%- 3% 77% ~ 3%		1 - 3 1 - 9	92%- 8% 92%- 4%		1 - 2 1 - 7	83%- 8% 94%- 4%		1 - 3 1 - 5	93%- 9% 94%- 4%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1 - 15	89% ~ 5%		1 - 5	77% ~ 3%		1-9	92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		
Schneider	SBD200 (WDE 002299)	()	4 ~ 400VA - Turn Universal (2wire)	1 - 15	89% ~ 23%		1 - 5	78% ~ 3%		1 - 10	92%- 14%		1 - 8	92%- 18%		1 - 5	93%- 15%		
Schneider	SBD315RC (SBD 315)	[RC]	315W	1 - 15	89% ~ 5%		1 - 5	77% ~ 3%		1 - 9	92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		
VADSBO	ED 350	[RC]	50 ~ 350W							1 - 12	93%- 14%		1 - 7	82%- 13%		1 - 5	90%- 1%		
VADSBO	DRS 315	[RC]	50 ~ 315W							1 - 11	95%- 10%		1 - 7	90%- 10%		1 - 5	94%- 11%	N: A	
VADSBO Varilight	DU 250 HQ3W	[RC]	20 ~ 250W 60-400W	1 - 15	94% ~ 13%		2	84%- 3%		1 - 14 1 - 8	96%- 17% 91%- 5%		1 - 5 1 - 8	88%- 15 95%- 4%		1 - 6	N.A. 94%- 5%	N.A.	
Varilight	ICT401 M	[RC]	20-400W	1-15	3470~1370		2	0-70-370		1 - 8	91%- 5%		1-8	89%- 5%		1-6	94%- 5%		
Vimar	20148	[RL]	500W	2 - 20	92% ~ 16%	< 21	1 - 2	84%- 3%		1 - 14	92%- 4%		1 - 11	97%- 3%		1 - 8	95%- 5%		
Vimar	14153	[R]								1 - 15	99%- 3%		1 - 11	89%- 3%		1 - 8	96%- 3%		
Vimar	20160	[RC]								1 - 10	95%- 3%		1 - 6	90%- 3%		1 - 8	92%- 3%		
Vimar	20162	[RL]	40~300W	1 - 10	90% ~ 12%	< 11	1-3	77%- 3%		1-9	91%- 7%		1-6	96%- 8%		1 - 5	35%- 7%		
IKEA	E0902 - Dim	[R]	25 ~ 150W	1 - 3	94% ~ 16%		1 - 5	87%- 12%		2- 5	94%- 9%		1- 3	92%- 3%		1- 2	98%- 14%		

- #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 recommend 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) $\#4b) Yellow\ cells\ indication:\ Dimming\ range,\ minimum\ dim\ level\ will\ be\ >10\%,\ and/or\ maximum\ level\ will\ be\ <80\%\ lightlevel\ properties of the properties of$

- #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

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

#9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).











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	This document is for information purposes
x-y	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	and must be treated as recommendation.
	Unexpected performance behavior, not in line with good dimming perception	Philips attempted to provide best results,
N.A.	Dimmer lamp combination not applicable	results are generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	might contain judits

								LED commits						
								LED capsule						
					G9 2.5-25W			R7S (118mm) 14-100W			R7S (118mm) 14-120W			
					Dimmable			Dimmable			Dimmable			
								7.1						
					1									
								1						
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Brand	Туре	Туре	Load	Dimming Performa	Dimmin	Glowing	Dimming	Dimming	Glowing	Dimming Performar	Dimm	Glowing		
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	3-20	96% ~ 27%		1	89% ~ 8%		1	94% ~ 21%	- C		
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	3-20	86% ~ 23%		1	94% ~ 3%		1	97% ~ 16%			
Bticino	L4407	(D)	60 ~ 250 W	2.20	N.A.	N.A.		010/ 220/			N.A.	N.A.		
Busch Jaeger ABB Busch Jaeger ABB	2200 U-503 2247 U	[R] [RL]	60 ~ 400 W-Turn 20 ~ 500 W-Turn	3-20 3-20	85% ~ 33% 83% ~ 9%		1	91% - 23% 93% ~ 3%		1	98% ~ 27% 96% ~ 3%			
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	3-20	87% ~ 6%		1	96% ~ 3%		1	95% ~ 15%			
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn	3-20	98% ~ 24%		1	93% ~ 7%		1	97% ~ 23%			
Busch Jaeger ABB Busch Jaeger ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED-Turn 2 ~ 100 VA-LED-Push (2wire)	3-20 3-20	92% ~ 3% 97% ~ 23%	< 7	1	88% ~ 3%		1	92% ~ 21% 96% ~ 15%			
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	3-20	96% ~ 30%	• • •	1	89% ~ 3%		1	94% ~ 21%			
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	3-20	95% ~ 9%		1	88% ~ 10%		1	93% ~ 4%			
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.					N.A.	N.A.		
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400W 3-wire Push Module 4 ~ 200W(RC) 4 ~ 400W(RL)	3-20 3-20	99% ~ 15% 96% ~ 30%		1	89% ~ 3%		1 - 3	97% ~ 7% 94% ~ 21%			
Feller Schneider	40300 (SBD315)	[RLC]	300W	3-20	95% ~ 9%		1	88% ~ 10%		1	93% ~ 4%			
Feller Schneider	40420 (SBD420)	[RLC]	420W		N.A.	N.A.					N.A.	N.A.		
GIRA	1176-00/01	[RLC]	50 ~ 420W	3-20	96% ~ 39%	< 12				1 - 3	93% ~ 25%			
GIRA	2390 00/ 100 EVN 011	[LED]	7 ~ 100W-Push (3wire) 300VA	3-18 3-20	91% ~ 15% 98% ~ 18%	< 14	1	89% ~ 4%		1 1 - 3	92% ~ 10%			
Hager Hager	EVN 012	[RC]	300W	3-20	99% ~ 28%	< 14				1-3	95% ~ 16% 97% ~ 17%			
Hager	EVN 004	[RL]	500VA	3-20	99% ~ 28%	< 15				1 - 3	99% ~ 18%			
Jung	225 TDE	[RC]	20 ~ 525 W-Turn	3-20	96% ~ 33%		1	90% ~ 10%		1	94% ~ 23%			
Jung	1271LEDDE	[LED]	3 ~ 100W-Push (3wire)	3-20	94% ~ 3%	- 11	1	90% ~ 3%		1	93% ~ 9%			
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W-3-wire Push LED Dimmer	3-10 3-20	86% ~ 3% 33% ~ 3%	< 11 < 10					84% ~ 30% 92% ~ 10%			
Legrand	774161	[RL]	40 ~ 400 W-Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		
Legrand	78401	[RLC]	40 ~ 500W	3-20	97% ~ 3%	< 13				1 - 3	97% ~ 11%			
Legrand	67081	[RL]	40 ~ 400 W-Turn		N.A.	N.A.		N.A.	N.A.	1	93% ~ 30%			
Legrand Legrand	67082 67083	[RL]	40 ~ 600 W-Turn 3 ~ 400W		N.A.	N.A.		N.A.	N.A.	1	92% ~ 11% 88% ~ 6%			
Legrand	67084	[RLC]	8-300 VA-Push LED (3wire)	3-20	97% ~ 23%		1	93% ~ 3%		1	96% ~ 3%			
Legrand	67085 (078406)	[RLC]	8-300 VA-Push LED (3wire)	3-20	99% ~ 4%		1	98% ~ 3%		1	99% ~ 3%			
Legrand	L4402N	[R]	60 ~ 500W		N.A.	N.A.		2001 201		1	87% ~ 22%			
Merten Schneider Merten Schneider	SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	3-20 3-20	96% ~ 30% 95% ~ 9%		1	89% ~ 3% 88% ~ 10%		1	94% ~ 21% 93% ~ 4%			
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	3 20	N.A.	N.A.	,	00% = 10%			N.A.	N.A.		
MK-Electric	K1535	[R]	65 ~ 450 W-Turn	3-20	72% ~ 19%		1	82% ~ 10%		1	81% ~ 15%			
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	3-10	82% ~ 17%		1	88% ~ 6%		1	89% ~ 12%			
MK-Electric MK-Electric	K4501 WHILV K4500 WHILV	[RLC]	180W 400W		N.A.	N.A.				1 - 3 1 - 3	90% ~ 12% 90% ~ 13%			
NIKO	310-0280X	[LED]	2 ~ 100 VA	3-9	98% ~ 8%	IV/A				1	98% ~ 3%			
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	3-10	76% ~ 4%					1-2	85% ~ 4%			
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	3-20	92% ~ 3%		1	88% ~ 3%			0.50			
RELCO RELCO	RP0977 RM0545	[LED]	4-100W 4-100W							1	97% ~ 27% 89% ~ 10%			
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	3-20	95% ~ 9%		1	88% ~ 10%		1	93% ~ 4%			
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	3-20	95% ~ 9%		1	88% ~ 10%		1	93% ~ 4%			
Schneider	SBD200 (WDE 002299)		4 ~ 400VA-Turn Universal (2wire)	3-20	96% ~ 30%		1	89% ~ 3%		1	94% ~ 21%	1		
Schneider VADSBO	SBD315RC (SBD 315) ED 350	[RC]	315W 50 ~ 350W	3-20 5-20	95% ~ 9% 93% ~ 34%		1	88% ~ 10%		1 1-3	93% ~ 4% 99% ~ 22%			
VADSBO	DRS 315	[RC]	50 ~ 315W	3-20	93% ~ 34% N.A.	N.A.				1-3	99% ~ 22% N.A.	N.A.		
VADSBO	DU 250	[RC]	20 ~ 250W	3-20	92% ~ 14%	<21				1-3	82% ~ 5%	<2		
Varilight	HQ3W	[R]	60-400W	3-20	85% ~ 14%		1	93% ~ 3%		1	95% ~ 6%			
Varilight	ICT401 M	[RC]	20-400W	3-20	85% ~ 14%	< 11 N. A	1	0.49/ .40/		1 - 3	85% ~ 2%			
Vimar Vimar	20148 14153	[RL] [R]	500W	3-20	N.A. 98% ~ 3%	N.A. <10	1	94% ~ 4% 90% ~ 5%		1-3	95% ~ 12% 96% ~ 3%			
Vimar	20160	[RC]			N.A.	N.A.				1-3	95% ~ 6%	<2		
Vimar	20162	[RL]	40 ~ 300W	3-20	96% ~ 18%	<21				1	94% ~ 15%			
IKEA	E0902-Dim	[R]	25 ~ 150W	3-20	96% ~ 6%		1	93% ~ 9%		1	95% ~ 12%			

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- #4b)Yellow cells indication: Dimming range, minimum dim level will be >10%, and/or maximum level will be <80% lightlevel #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.
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