

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

					LEDexpertco 3.9-35W GU1 CRI97			LEDexpertcolo 5.5-50W GU10 CRI97		CI	assic LEDspot M DimTone 4.5-35W GU10		CI	assic LEDspot I DimTone 5-50W GU10	MV
					Prints (P. 17))		Francis (Francis)							
				Dimming Performance	80	be per	Dimming Performance	W	9.	Dimming Performance	8	p	ng mance	8	29.
Brand	Туре	Туре	Load	Dimmi	Dimmin Range	Glowing	Dimmi	Dimmin	Glowing	Dimmi Perfor	Dimming Range	Glowing	Dimming Performa	Dimmin Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	2-5 (max 18)	88%~7%		2-5 (max 9)	91%~5%		2-18	92%~7%		2-13	92%~6%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	2-5 (max 20)	93%~6%		2-3	95~5%		2-18	93%~5%		2-15	94%~4%	
Busch Jaeger ABB	L4407 2200 U - 503	[R]	60 ~ 250 W 60 ~ 400 W-Turn	2-5 (max 20)	N.A. 83%~17%	N.A.	2-5 (max 14)	94%~17%		2-18	N.A. 92%~6%	N.A.	2-15	N.A. 96%~5%	N.A.
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	2-5 (max 20)	95%~3%		2–5 (max 14)	95%~3%		2-20	92%~3%		2-18	96%~3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	2-5 (max 25)	93%~3%		2–5 (max 18)	96%~3%		2-20	91%~3%		2-20	97%~3%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W-Turn	2-5 (max 21)	92%~4%		2–5 (max 15)	94%~6%		2-19	95%~6%		2-15	96%6%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	2-5 (max 25)	92%~4%		2-5 (max 18)	91%~3%		2-20	89%~3%		2-18	93%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	2–19	92%~3%		2.5 (*******7)	000/ 00/		2-20	96%~4%		2-18	97%~6%	
ELKO Schneider ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2–5 (max 10) 2–5 (max 16)	89%~11% 88%~3%		2-5 (max 7) 2-5 (max 11)	90%~8% 91%~3%		2-18 2-14	91%~7% 92%~3%		2-15	97%~4%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2-5 (max 10) 2-5 (max 21)	94%~3%		2–5 (max 11)	96%~3%		2-19	93%~3%				
Eltako	EVD61NPN-UC		400W 3-wire Push Module							2-18	98%~3%		2-15	98%~4%	< 16
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-5 (max 10)	89%~11%		2-5 (max 7)	90%~8%		2-18	91%~7%		2-15	97%~4%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	2–5 (max 16)	88%~3%		2-5 (max 11)	91%~3%							
Feller Schneider	40420 (SBD420)	[RLC]	420W	2–5 (max 21)	94%~3%		2–5 (max 15)	96%~3%							1
GIRA GIRA	1176-00/01 2390 00/ 100	[RLC]	50 ~ 420W 7 ~ 100W –Push (3wire)	2–19 2–5 (max 25)	91%~12% 86%~24%		2-5 (max 18)	91%~25%		2-19 2-15	96%~10% 96%~6%		2-15 2-16	95%~8% 91%~4%	
Hager	EVN 011	[RC]	300VA	2–15	96%~10%		2-5 (Max 10)	3170-2370		2-13	98%~3%	< 12	2-11	98%~5%	< 12
Hager	EVN 012	[RC]	300W	2–15	96%~9%					2-13	98%~4%	< 12	2-11	97%~5%	< 12
Hager	EVN 004	[RL]	500VA	2–19	96%~10%					2-20	98%~3%		2-18	97%~5%	
Jung	225 TDE	[RC]	20 ~ 525 W–Turn	2–5 (max 26)	91%~3%		2–5 (max 19)	93%~11%		2-20	92%~7%		2-16	93%~7%	
Jung	1271LEDDE	[LED]	3 ~ 100W –Push (3wire)	2–5 (max 25)	89%~3%		2–5 (max 18)	92%~3%		2-20	89%~11%		2-16	91%~3%	NI A
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W -3-wire Push LED Dimmer	3–6 2–15	72%~17% 89%~3%					2-5 2-13	88%~3% 90%~3%		2-11	N.A. 91%~4%	N.A.
Legrand	774161	[RL]	40 ~ 400 W-Turn	5	95%~3%			N.A.	N.A.	2 13	N.A.	N.A.	2 11	N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	2–19	91%~1%					2-18	78%~3%	< 3	2-15	95%~3%	< 3
Legrand	67081	[RL]	40 ~ 400 W-Turn	3–5 (max 20)	93%~3%		2-5 (max 14)	96%~3%			N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W–Turn	5	95%~5%		3–5 (max 14)	96%~3%			N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W	3-4	86%~3%		2.5 (030/ 30/		2-3	90%~1%			N.A.	N.A.
Legrand Legrand	67084 67085 (078406)	[RLC]	8–300 VA –Push LED (3wire) 8–300 VA –Push LED (3wire)	2–5 (max 15) 2–5 (max 15)	93%~3% 97%~3%		2–5 (max 10) 2–5 (max 10)			2-18	94%-4% N.A.	N.A.	2-11	N.A. 98%~3%	N.A.
Legrand	L4402N	[R]	60 ~ 500W	3–19	86%~11%		2-5 (max 10)	3070-370		10-20	88%~4%	14.74.	5-18	88%~7%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-5 (max 10)	89%~11%		2-5 (max 7)	90%~8%		2-18	91%~7%		2-15	97%~4%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-5 (max 16)	88%~3%		2-5 (max 11)	91%~3%		2-14	92%~3%				
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2–5 (max 21)	94%~3%		2-5 (max 15)	96%~3%		2-19	93%~3%				
MK - Electric	K1535	[R]	65 ~ 450 W-Turn	2–5 (max 23)	71%~3%		2–5 (max 16)	80%~4%		2-20	83%~4%		2-16	84%~5%	
MK - Electric MK - Electric	K1501 WHILV K4501 WHILV	[R] [RLC]	60 ~ 500 W-Turn 180W	2–5 (max 25) 2–11	77%~3% 84%~3%		2–5 (max 18)	87%~3%		2-20 2-10	88%~4% 90%~2%		2-16 2-9	89%~5% 90%~4%	
MK - Electric	K4500 WHILV	[RLC]	400W	2–16	86%~3%					2-14	89%~2%		2-15	89%~4%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	2–5	96%~3%					2-4	97%~3%		2-4	99%~2%	
PEHA	431HAN	[RL]	6~120W [LED] 6~60W	2–6	80%~3%					2-5	90%~3%		2-4	88%~3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	2–5 (max 25)	92%~4%		2-5 (max 18)	91%~3%		2-20	89%~3%		2-18	93%~3%	
RELCO RELCO	RP0977 RM0545	[LED]	4-100W 4-100W	2–5 2–5	96%~16% 88%~3%										
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-5 (max 16)	88%~3%		2-5 (max 11)	91%~3%		2-14	92%~3%				
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-5 (max 16)	88%~3%		2-5 (max 11)	91%~3%		2-14	92%~3%				
Schneider	SBD200 (WDE 002299)		4 ~ 400VA-Turn Universal (2wire)	2-5 (max 10)	89%~11%		2-5 (max 7)	90%~8%		2-18	91%~7%		2-15	97%~4%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-5 (max 16)	88%~3%		2-5 (max 11)	91%~3%		2-14	92%~3%		2-11	92%~3%	
VADSBO	ED 350	[RC]	50 ~ 350W	2–18	86%~10%					2-16	92%~6%		2-13	91%~8%	
VADSBO	DRS 315 DU 250	[RC]	50 ~ 315W	2–16	92%~5%					8-14	95%~4% 89%~3%	< 15 < 12	3-11 2-9	93%~6%	< 12 < 10
VADSBO Varilight	HQ3W	[RC]	20 ~ 250W 60-400W	2–13 2–5 (max 20)	70%~3% 91%~3%		2-5 (max 14)	92%~3%		2-11 3-18	91%~3%	* IZ	2-9 2-15	85%~3% 96%~3%	10
Varilight	ICT401 M	[RC]	20-400W	2-19	75%~3%		2 5 (max 14)	3270 370		2-18	95%~1%		2-15	93%~2%	
Vimar	20148	[RL]	500W	2–5 (max 25)	93%~3%	< 6	2-5 (max 18)	94%~3%	< 5	2-20	93%~4%	< 4	2-16	95%~4%	< 17
Vimar	14153	[R]		2–19	99%~3%					2-20	98%~3%		2-18	99%~3%	
Vimar	20160	[RC]		2–15	90%~3%					2-13	94%~1%	< 14	2-18	96%~3%	< 17
Vimar Philips Dynalite	20162	[RL]	40 ~ 300W	2–5 (max 15)	91%~3%	< 6	2-5 (max 10)	90%~3%	< 6	2-13	91%~3%	< 10	2-11	90%~4%	< 12
Philips Dynalite Philips Dynalite	DDLE801 DDTM102 Module		(100W per channel) (460 W per channel)	2–5 2–5 (max 20)	79%~3% 87%~3%		2–5 2–5 (max 16)	90%~3% 90%~3%					5-16 2-16	92%~3% 92%~3%	
Note:	2	1	, p.a. and many	(max 20)	2.70 570		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	22.0 3.0						2270 370	

- #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).

Disclaimer:

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





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

									LED	spot					
				C	lassic LEDspot N 4.4-50W GU10		c	lassic LEDspot N 5.5-50W GU10			R VALUE LEDsp DimTone 3.7-35W GU10 CRI90			R VALUE LEDS DimTone 4.9-50W GU19 CRI90	
					on an			on on							
				ig nance	pro-	ba	ig nance	50	ba	ig nance	<u>oo</u>	ba	ig nance	<u>o</u> o	bo
Brand	Туре	Туре	Load	Dimming Performar	Dimming Range	Glowing	Dimming Performar	Dimming Range	Glowing	Dimming Performan	Dimming Range	Glowing	Dimming Performa	Dimming Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	2-20	91% ~ 25%		2-15	85% ~ 19%		2 - 8 (max 19)			2 - 8 (max 14)	92% ~ 3%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	2-20	95% ~ 24%		2-15	88% ~ 19%		2 - 8 (max 21)	87% ~ 3%		2 - 8 (max 16)	93% ~ 3%	
Bticino	L4407		60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W-Turn	2-18	93% ~ 19%		2-15	89% ~ 17%		2 - 8 (max 21)	86% ~ 4%		2 - 8 (max 16)	92% ~ 3%	
Busch Jaeger ABB Busch Jaeger ABB	2247 U 2250 U	[RL] [R]	20 ~ 500 W-Turn 60 ~ 600 W-Turn	2-20 2-20	93% ~ 10% 96% ~ 7%		2-18 2-20	97% ~ 6% 98% ~ 4%		2 - 8 (max 21) 2 - 8 (max 27)	86% ~ 3% 89% ~ 3%		2 - 8 (max 16) 2 - 8 (max 20)	94% ~ 3% 94% ~ 3%	
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn	2-20	94% ~ 23%		2-15	87% ~ 20%		2 - 8 (max 27) 2 - 8 (max 22)			2 - 8 (max 20)	94% ~ 3%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	2-20	90% ~ 2%		2-20	93% ~ 17%		2 - 8 (max 27)	89% ~ 3%		2 - 8 (max 20)	89% ~ 3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	2-20	96% ~ 24%		2-18	96% ~ 18%		2 - 20	95% ~ 6%		2 - 20	91% ~ 5%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-20	92% ~ 29%		2-15	85% ~ 23%			N.A.	N.A.	2 - 8	92% ~ 3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2-14	91% ~ 6%		2-11	91% ~ 5%		3 - 8 (max 17)	95% ~ 3%		2 - 8 (max 12)	92% ~ 3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2-19	94% ~ 14%		2-15	97% ~ 13%			N.A.	N.A.	3 - 8 (max 17)	95% ~ 3%	
Eltako	EVD61NPN-UC	# ED /DC	400W 3-wire Push Module	2-14	99% ~ 15%	< 19	2-15	99% ~ 14%	< 16	2 - 20	94% ~ 10%	NI A	2 - 16	96% ~ 3%	
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[RLC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-20	92% ~ 29%		2-15	85% ~ 23%		3 - 8 (max 17)	N.A. 95% ~ 3%	N.A.	2 - 8 2 - 8 (max 12)	92% ~ 3% 92% ~ 3%	
Feller Schneider	40420 (SBD420)	[RLC]	420W							3 - 8 (IIIax 17)	N.A.	N.A.	3 - 8 (max 17)	95% ~ 3%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	2-19	94% ~ 36%		2-15	95% ~ 32%		2 - 20	94% ~ 11%		2 - 17	94% ~ 9%	
GIRA	2390 00/ 100	[LED]	7 ~ 100W –Push (3wire)	2-13	97% ~ 13%		2-18	90% ~ 14%		3 - 8 (max 27)	90% ~ 3%		3 - 8 (max 20)	91% ~ 3%	
Hager	EVN 011	[RC]	300VA	2-14	97% ~ 19%	< 6	2-11	97% ~ 16%	< 12	2 - 16	98% ~ 8%		2 - 12	94% ~ 7%	
Hager	EVN 012	[RC]	300W	2-14	98% ~ 19%	< 5	2-11	97% ~ 16%	< 12	2 - 16	98% ~ 8%		2 - 12	94% ~ 7%	
Hager	EVN 004	[RL]	500VA	2-20	98% ~ 19%		2-18	97% ~ 16%		2 - 20	98% ~ 8%		2 - 20	95% ~ 7%	
Jung	225 TDE	[RC]	20 ~ 525 W-Turn	2-20	92% ~ 26%		2-15	87% ~ 22%		2 - 8 (max 28)	96% ~ 8%		2 - 8 (max 21)	91% ~ 3%	
Jung Klik aan Klik uit	1271LEDDE AWMD-250	[LED]	3 ~ 100W -Push (3wire) 3 ~ 24W	2-20 2-5	93% ~ 37% 88% ~ 3%		2-20 2-4	88% ~ 35% 87% ~ 37%		2 - 8 (max 27) 2 - 6	91% ~ 3% 84% ~ 11%		2 - 8 (max 20) 2 - 5	91% ~ 3% 80% ~ 11%	
Klik aan Klik uit	ACM 300	[LED]	300W –3-wire Push LED Dimmer	2-14	93% ~ 3%		2=4	N.A.	N.A.	2 - 16	99% ~ 3%		2 - 12	87% ~ 3%	
Legrand	774161	[RL]	40 ~ 400 W-Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2 - 8 (max 16)	95% ~ 3%	<4
Legrand	78401	[RLC]	40 ~ 500W	2-18	96% ~ 3%	< 3	2-15	92% ~ 16%	< 3	2 - 20	93% ~ 4%		2 - 16	91% ~ 3%	
Legrand	67081	[RL]	40 ~ 400 W-Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3 - 8 (max 16)	95% ~ 3%	
Legrand	67082	[RL]	40 ~ 600 W–Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3 - 8 (max 24)	94% ~ 3%	
Legrand	67083	[RLC]	3 ~ 400W	2-3	89% ~ 12%			N.A.	N.A.	2 - 20	89% ~ 3%		2 - 16	85% ~ 2%	
Legrand	67084	[RLC]	8–300 VA –Push LED (3wire)	2-18	98% ~ 20%		2-15	88% ~ 15%		2 - 8 (max 16)	96% ~ 4%	< 3	2 - 8 (max 12)	93% ~ 3%	<4
Legrand Legrand	67085 (078406) L4402N	[RLC]	8–300 VA –Push LED (3wire) 60 ~ 500W	8-20	N.A. 91% ~ 30%	N.A.	2-11 3-18	99% ~ 3% 86% ~ 28%		2 - 8 (max 16) 3 - 20	99% ~ 3% 87% ~ 10%		2 - 8 (max 12) 2 - 20	95% ~ 3% 84% ~ 8%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	92% ~ 29%		2-15	85% ~ 23%		3=20	N.A.	N.A.	2 - 8	92% ~ 3%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-14	91% ~ 6%		2-11	91% ~ 5%		3 - 8 (max 17)	95% ~ 3%	71071	2 - 8 (max 12)		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2-19	94% ~ 14%		2-15	97% ~ 13%			N.A.	N.A.	3 - 8 (max 17)	95% ~ 3%	
MK-Electric	K1535	[R]	65 ~ 450 W–Turn	3-20	85% ~ 20%		2-15	77% ~ 15%		2 - 8 (max 24)	52% ~ 3%		2 - 8 (max 18)	70% ~ 3%	
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W–Turn	3-20	89% ~ 19%		2-18	81% ~ 17%		2 - 8 (max 27)	80% ~ 3%		2 - 8 (max 20)	87% ~ 3%	
MK-Electric	K4501 WHILV	[RLC]	180W	3-10	89% ~ 19%		2-8	90% ~ 19%		2 - 12	86% ~ 4%		2 - 9	86% ~ 4%	
MK-Electric	K4500 WHILV	[RLC]	400W	3-15	90% ~ 20%		2-15	88% ~ 19%		2 - 20	86% ~ 5%		2 - 13	86% ~ 4%	
NIKO PEHA	310-0280X 431HAN	[LED]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	2-5 2-5	97% ~ 8% 89% ~ 10%		2-4 2-4	97% ~ 7% 87% ~ 10%		2 - 5 2 - 6	99% ~ 3% 85% ~ 3%		2 - 4 2 - 5	95% ~ 3% 84% ~ 3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	2-5	90% ~ 3%		2-4	87% ~ 10% 93% ~ 17%		2 - 6 2 - 8 (max 27)	85% ~ 3% 89% ~ 3%		2 - 5 2 - 8 (max 20)	84% ~ 3% 89% ~ 3%	
RELCO	RP0977	[LED]	4-100W							2 - 5	99% ~ 13%		2 - 4	75% ~ 11%	
RELCO	RM0545	[LED]	4-100W							2 - 5	90% ~ 10%		2 - 4	87% ~ 4%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-14	91% ~ 6%		2-11	91% ~ 5%		3 - 8 (max 17)	95% ~ 3%		2 - 8 (max 12)	92% ~ 3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-14	91% ~ 6%		2-11	91% ~ 5%		3 - 8 (max 17)	95% ~ 3%		2 - 8 (max 12)	92% ~ 3%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA-Turn Universal (2wire)	2-20	92% ~ 29%		2-15	85% ~ 23%			N.A.	N.A.	2 - 8	92% ~ 3%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-14	91% ~ 6%		2-11	91% ~ 5%		3 - 8 (max 17)	95% ~ 3%		2 - 8 (max 12)	92% ~ 3% 85% ~ 8%	
VADSBO VADSBO	DRS 315	[RC]	50 ~ 350W 50 ~ 315W	2-16 8-14	93% ~ 34% 95% ~ 24%	< 15	2-13 3-11	88% ~ 29% 97% ~ 21%	< 12	2 - 20 3 - 17	88% ~ 10% 93% ~ 6%		2 - 14 2 - 13	90% ~ 5%	
VADSBO	DU 250	[RC]	20 ~ 250W	2-11	89% ~ 11%	< 12	2-9	89% ~ 9%	< 10	2 - 14	84% ~ 3%	< 15	2 - 10	77% ~ 3%	< 11
Varilight	HQ3W	[R]	60-400W	2-18	98% ~ 14%		2-15	88% ~ 8%		2 - 8 (max 21)	85% ~ 3%		2 - 8 (max 16)	92% ~ 3%	
Varilight	ICT401 M	[RC]	20-400W	2-18	94% ~ 10%		2-15	92% ~ 7%		2 - 20	84% ~ 3%		2 - 16	79% ~ 3%	
Vimar	20148	[RL]	500W	2-20	94% ~ 17%		2-18	88% ~ 16%	< 4	2 - 8 (max 27)	87% ~ 3%	< 8	3 - 8 (max 20)	92% ~ 3%	< 9
Vimar	14153	[R]		2-20	98% ~ 3%		2-18	97% ~ 9%		2 - 20	99% ~ 3%		2 - 20	97% ~ 3%	
Vimar	20160	[RC]	40 2000	2-14	94% ~ 13%	< 15	2-18	94% ~ 12%	< 19	2 - 20	86% ~ 5%		2 - 12	89% ~ 3%	< 13
Vimar Philips Dynalite	20162 DDLE801	[RL]	40 ~ 300W (100W per channel)	3-13	93% ~ 14%		2-11 2-18	84% ~ 11% 88% ~ 9%	< 4	2 - 8 (max 16) 2 - 8	94% ~ 4% 90% ~ 3%	< 8	2 - 8 (max 12) 2 - 8	92% ~ 3% 89% ~ 3%	< 9
Philips Dynalite Philips Dynalite	DDTM102 Module		(460 W per channel)				2-18	90% ~ 3%		2 - 8 2 - 8 (max 24)			2 - 8 2 - 8 (max 18)		
Note:	,	ı	1		1	I				,	. 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.
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- #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).

Disclaimer:

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





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

Second S										LED	spot						
Part					MASTE		pot MV	MASTE		oot MV	MAST		oot MV				
Controlley Con					ľ		0	D		0		D 7-80W GU10					
Controlley Con												THE PARTY NAMED IN			1		
Controlley Con															11.13		
Controlley Con						(N-76)			91.20			W-W			4.4		
Controlley Con																	
Controlley Con					ance	PA		ance	po.		ance	.		ance	h a		
Controlley Con					nming form	nming 1ge	wing	form	nming nge	wing	form	nming ge	wing	nming	nming nge	wing	
Second March Mar	Brand					,	95			99			95			95	
March Marc																	
March March Media March Me	Bticino		[K]		2 - 3 (Max 21)		N.A.	2 - 3 (max 10)		N.A.	2-3	9376- 2076		2-23		N.A.	
Mathematical part	Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W-Turn	3 - 5 (max 21)	88% ~ 31%		2 - 5 (max 16)	92% ~ 34%		2- 5	91%- 17%		2-23	95% ~ 17%	< 2	
Mathematical Math	Busch Jaeger ABB																
December																	
March Marc	Busch Jaeger ABB																
Month	Busch Jaeger ABB	6526 U	[LED]	2~100 VA-LED-Push (2wire)	2 - 20	92% ~ 17%	< 5	2 - 20	95% ~ 16%					2-20	87% ~ 33%	< 3	
Book					2 5 (2224.17)		N.A.										
Page					3 - 5 (max 17)		N.A.							2-18		N.A.	
Part			[]		2 - 20							3010 1010				110.0	
Part	Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]				N.A.		93% ~ 28%			90%- 24%		2-23	91% ~ 23%		
Secont					3 - 5 (max 17)		NI A										
Control Cont					2 - 20						2- 5	95%-12%		2-20	96% ~ 31%		
Name Own Ord Right SOM 2-10 Sys-20											2- 5	88%- 36%				< 2	
Mager Mage	Hager																
Math																	
March Marc							< 11				2- 5	89%- 19%				< 19	
Michael Michael Michae																< 2	
December Part Par	Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W		82% ~ 30%		2 - 5	84% ~ 32%					2-7	84% ~ 29%	< 3	
Legand 7840			(DL)							N.A	2- 5	0.49/ _ 179/			N A	N A	
Page					2 - 20		N.A.	2 - 16			2- 5	94%-1/%		2-20			
Legand G7083							N.A.				2- 5	93%- 15%					
Legrand G7084 [RLC] S.300 WPubl. ED Colvino 2 - 5 (max K) 97k - 27k 95k - 27k 97k - 37k 2 - 5 (max K) 97k - 37k 2 - 5	Legrand			40 ~ 600 W-Turn		N.A.	N.A.		N.A.	N.A.	2- 5	95%- 17%			N.A.		
Legrand G708s (0784096) RLC 8-300 MPush LED Grower 5-708 88%-28% 2-5 (max 12) 98%-28% 2-5 (max 12)	Legrand				2 F (may 16)		.e	2 F (may 12)		-2	2.5	029/ 129/		2.22	00% 6%	N.A.	
Legand LeQNA							ζ5			< 5						< 4	
Morten Schneider SB031SRC (MEGS136-0000) IRC																	
Me-Flectric KI50 Fl. Co - 400 VA C							N.A.										
MK-Electric KISSS IR 65 -450 W-Turn 2 -8 (max 2) 7 N - 19% 2 -8 (max 2) 9 N - 19% 2 - 5 8 N - 19% 2 - 26 8 N - 19% 4 N - 19% 2 - 26 8 N - 19% 2 - 5 68% - 19% 2 - 26 8 N - 19% 2 - 5 68% - 19% 2 - 20 8 8 % - 19% 2 - 5 68% - 19% 2 - 20 8 8 % - 19% 2 - 5 68% - 24 9 - 5 2 - 5 68% - 24 9 - 5 2 - 5 68% - 3% 2 - 20 9 9% - 3% 2 - 5 88% - 3% 2 - 20 9 9% - 3% 2 - 5 88					3 - 5 (max 17)		NI A							2-18		N. A	
MK-Electric KiSOI WHILV [R]C 60 - 500 W-Turn 2 - 8 (max 2) 9% - 18% 2 - 8 (max 2) 9% - 18% 2 - 8 (max 2) 9% - 18% 2 - 9 (max 2) 9% 2 - 9 (max 2) 9% - 18% 2 - 9					2 - 8 (max 24)		N.A.							2-26		N.A.	
MK-Electric K4500 WHILV [RLC] 400W 2 - 17 87K - 15K 2 - 13 87K - 15K C - 10 C - 10 87K - 13K S - 13K																	
NIKO 310-0280X ILED 2-100 VA 2-5 96% -6% 2-4 96% -5% 1 2-6 98% -24% 2-6 98% -24% 2-8 98% -24% 2-8 2-8 88% -3% 2-8 2-8 88% -3% 2-8 2-8 88% -3% 2-8 2-8 88% -3% 2-8 2-8 88% -3% 2-8 2	MK-Electric													3-13			
PEHA A31HAN RL 6 -120W LED 6 -60W 2 - 6 84% - 6 2 - 5 86% - 7														2-6			
Philips UiB670 LiED 2-100 VA-LED-Push (3wire) 2-5 (max 27) 90% - 3% 2-5 (max 20) 93% - 3% 2-5 88% - 3% 2-20 90% - 3% 2-8 88% - 3% 2-20 90% - 3% 2-8 88% - 3% 2-8 8																	
RELCO RM0545 [LED] 4-100W 2-5 88%-15% 2-4 89%-14% 50 50 50 50 50 50 50 50 50 50 50 50 50											2- 5	88%- 3%					
Schneider SBD315RC (SBD 315, SDD 315) (RC] 315W 3 - 5 (max 17) 96% - 9% 2 - 5 (max 12) 94% - 7% 2 - 5 89% - 4% 2 - 18 94% - 5% Schneider SBD315RC (ATD315)(CCT011533) [RC] 315W 3 - 5 (max 17) 96% - 9% 2 - 5 (max 12) 94% - 7% 2 - 5 89% - 4% 2 - 18 94% - 5% Schneider SBD315RC (SBD 315) [RC] 315W N.A. N.A. N.A. 2 - 5 93% - 28% 2 - 5 89% - 4% 2 - 18 94% - 5% Schneider SBD315RC (SBD 315) [RC] 315W 3 - 5 (max 17) 96% - 9% 2 - 5 (max 12) 94% - 7% 2 - 5 89% - 4% 2 - 18 94% - 5% Schneider SBD315RC (SBD 315) [RC] 315W 3 - 5 (max 17) 96% - 9% 2 - 5 (max 12) 94% - 7% 2 - 5 89% - 4% 2 - 18 94% - 5% VADSBO D 50 [RC] 50 - 315W 3 - 14 33 - 6 (max 17) 96% - 9% 2 - 14 87% - 25 89% - 4% 2 - 18 94% - 5% <td></td>																	
Schneider SBD3ISRC (ATD3I5)(CCT01I533) (RC] 315W 3 - 5 (max 17) 96% - 9% 2 - 5 (max 12) 94% - 7% 2 - 5 89% - 4% 2 - 18 94% - 5% Schneider SBD200 (WDE 002299) 4 - 400VA-Turn Universal (2wire) N.A. N.A. N.A. N.A. 2 - 5 (max 12) 94% - 7% 2 - 5 (max 12) 90% - 24% 2 - 23 91% - 23% VADSBO ED 350 [RC] 50 - 350W 3 - 17 95% - 9% 2 - 14 87% - 25% 2 - 5 (max 12) 94% - 7% 2 - 5 (max 12) 94% - 7% 2 - 5 (max 12) 94% - 7% 2 - 5 (max 12) 94% - 5% 2 - 18 94% - 5% VADSBO DR 5 315 [RC] 50 - 315W 3 - 17 92% - 18% 4 18 2 - 13 93% - 17% 1 14 - 10 10 - 18 93% - 20% VADSBO DU 250 [RC] 20 - 250W 3 - 14 83% - 9% 1 15 2 - 10 83% - 7% 1 11 - 10 10 - 18 93% - 20% Varilight HQ3W [RC] 20 - 400W 2 - 20 83% - 3% 1 2 - 16 84% - 3% - 11 2 - 5 93% - 14% 6 2 - 29 95% - 16% Vimar 20148 [RL] 500W 3 - 8 (max 12) 85% - 17%<											2- 5	90% - 4%		2_10	9.4% 5%		
Schneider SBD315RC (SBD 315) [RC] 315W 3 - 5 (max 17) 96% - 9% 2 - 5 (max 12) 94% - 7% 2 - 5 89% - 4% 2 - 18 94% - 5% VADSBO ED 350 [RC] 50 ~ 350W 2 - 19 89% - 29% 2 - 14 87% - 25% 50 ~ 350W 10-18 93% - 20% VADSBO DU 250 [RC] 20 ~ 250W 3 - 14 83% - 9% 4 15 2 - 10 83% - 7% 4 11 50 2 - 14 89% - 20% 10 - 18 93% - 20% 10-18																	
VADSBO ED 350 [RC] 50 - 350W 2 - 19 89% - 29% 2 - 14 87% - 25% S S 2-20 91% - 29% VADSBO DRS 315 [RC] 50 - 315W 3 - 17 92% - 18% 18 2 - 13 93% - 17% < 14	Schneider	SBD200 (WDE 002299)		4 ~ 400VA–Turn Universal (2wire)		N.A.	N.A.	2 - 5	93% ~ 28%		2- 5	90%- 24%		2-23	91% ~ 23%		
VADSBO DRS 315 (RC) 50 ~ 315W 3 - 17 92% - 18% • 18 2 - 13 93% - 17% • 14 10 - 18 93% - 20% VADSBO DU 250 (RC) 20 ~ 250W 3 - 14 83% - 9% • 15 2 - 10 83% - 7% • 11 0 2 - 14 89% - 20% Varilight HQ3W (R) 60 - 400W 2 - 5 (max 21) 84% - 8% 2 - 5 (max 16) 97% - 11% 2 - 5 91% - 10% 2 - 23 92% - 8% Varilight ICT401 M [RC] 20 - 400W 3 - 8 (max 27) 85% - 17% • 6 3 - 5 (max 20) 95% - 17% • 6 2 - 5 93% - 14% • 6 2 - 29 95% - 16% • 30 Vimar 14153 [R] (RC] 3 - 16 91% - 11% • 17 2 - 12 96% - 9% • 13 - 2 - 17 91% - 9% Vimar 20160 [RL] 40 ~ 300W 3 - 8 (max 16) 92% - 25% • 6 2 - 5 (max 12) 94% - 18% • 6 2 - 5 90% - 13% • 6 2 - 17 91% - 13% • 18 Vimar 20162 [RL]											2- 5	89%- 4%					
VADSBO DU 250 [RC] 20~250W 3 - 14 83%~9% < 15 2 - 10 83%~7% < 11 DU 250 2-14 89%~20% Varilight HQ3W [R] 60~400W 2 - 5 (max 21) 84%~8% 2 - 5 (max 16) 97%~11% 2 - 5 91%~10% 2 - 23 92%~8% Varilight ICT401 M [RC] 20-400W 2 - 20 83%~3% < 7							< 18			< 14							
Varilight HQ3W [R] 60-400W 2 - 5 (max 2l) 84% - 8% 2 - 5 (max 16) 97% - 11% 2 - 5 91% - 10% 2 - 23 92% - 8% Varilight ICT401 M [RC] 20-400W 2 - 20 83% - 3% < 7																	
Vimar 20148 [RL] 500W 3 - 8 (max 27) 85% - 17% < 6 3 - 5 (max 20) 95% - 17% < 6 2 - 5 93% - 14% < 6 2 - 29 95% - 16% < 30 Vimar 14153 [R] Image: Control of the contro					2 - 5 (max 21)						2- 5	91%- 10%					
Vimar 14153 [R] 97% - 4% 6 99% - 3% 98 - 3% Vimar 20160 [RC] 3 - 16 91% - 11% 17 2 - 12 96% - 9% 13 10 2 - 17 91% - 9% Vimar 20162 [RL] 40 - 300W 3 - 8 (max 16) 92% - 25% 6 2 - 5 (max 12) 94% - 18% 6 2 - 5 90% - 13% 6 2 - 17 91% - 13% 18 Philips Dynalite DDLE801 (100W per channel) 2 - 8 88% - 8% 2 - 8 93% - 9% 2 - 5 88% - 8% 2 - 20 91% - 9%																	
Vimar 20160 [RC] 3 - 16 91% - 11% < 17 2 - 12 96% - 9% < 13 2 - 17 91% - 9% Vimar 20162 [RL] 40 ~ 300W 3 - 8 (max 16) 92% - 25% < 6				500W	3 - 8 (max 27)		< 6			< 6	2- 5	93% ~ 14%	<6	2-29		< 30	
Vimar 20162 [RL] 40~300W 3 - 8 (max 16) 92%~25% < 6 2 - 5 (max 12) 94%~18% < 6 2 - 5 90%~13% < 6 2 - 17 91%~13% < 18 Philips Dynalite DDLE801 (100W per channel) 2 - 8 88%~8% 2 - 8 93%~9% 2 - 5 88%~8% 2 - 20 91%~9%					3 - 16		< 17			< 13				2-17			
	Vimar	20162		40 ~ 300W	3 - 8 (max 16)	92% ~ 25%	< 6	2 - 5 (max 12)	94% ~ 18%	< 6	2- 5	90% ~ 13%	<6	2-17	91% ~ 13%	< 18	
Philips Dynalite DD1 MI02 Module (460 W per channel) 2 - 8 (max 24) 92% ~ 3% 2 - 8 (max 18) 95% ~ 5% 2 - 5 90% ~ 4% 2 - 20 93% ~ 4%	Philips Dynalite																
	Philips Dynalite	טטTM102 Module		(460 W per channel)	2 - 8 (max 24)	92% ~ 3%		2 - 8 (max 18)	95% ~ 5%		2- 5	90% ~ 4%		2-20	93% ~ 4%		

- #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
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KEY

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N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	

									LED	spot					
				MAST	TER VALUE LEDS	pot MV		repro LEDspot I			repro LEDspot N			r LEDspot PAR C	
					5-50W GU10		4	-35W GU10 Din	1	5	5-50W GU10 Din	1		D 6-50W PAR20	
								Cir-x			(id-1)				
														1-4-	
					PHELEPS			-							
								ww			w w			-	
				a.			O)			ø			d)		
				ance			ance			anc.			anç		
				Dimming Performa	ming ge	Glowing	Dimming Performar	Dimming Range	Glowing	Dimming Performar	Dimming Range	/ing	Dimming Performa	ming 9	Glowing
Dunnel	T	Turne		er fe	Dimmir Range	low	im r erfc	Jim r Rang	lov	erfc	Jim r Rang	Glowing	erfc	Dimmin Range	No
Brand	Type	Type	Load			U			U			U			
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	2-10	90% ~ 20%		2–8	94%~8%		2–8	92%~3%		1–10	91%~12%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	2-10	94% ~ 8%		2–8	87%~3%		2–8	93%~3%		1–5	93%~6%	
Bticino	L4407		60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W–Turn	2-10	94% ~ 16%	< 2	2–8	86%~4%		2–8	92%~3%		1–10	93%~6%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W–Turn	2-10	92% ~ 3%		2–8	86%~3%		2–8	94%~3%		1–14	92%~3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	2-10	92% ~ 3%		2–8	89%~3%		2–8	94%~3%		1–8	95%~3%	
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn	2-10	96% ~ 20%		2–8	96%~4%		2–8	94%~3%		1–15	92%~12%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	2-10	92% ~ 3%		2–8	89%~3%		2–8	89%~3%		1–14	93%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	2-20	89% ~ 29%		2–20	93%~3%		2–20	94%~3%		1–17	94%~10%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	88% ~ 20%			N.A.	N.A.	2–8	92%~3%		1–10	92%~14%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2-10	88% ~ 3%		3~8	95%~3%		2–8	92%~3%		1–9	92%~4%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.		N.A.	N.A.	3–8	95%~3%		1–12	94%~7%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module				2–20	99%~3%		2–16	99%~3%		1–13	98%~7%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	88% ~ 20%			N.A.	N.A.	2-8	92%~3%		1–10	92%~14%	
Feller Schneider	40300 (SBD315)	[RLC]	300W				3~8	95%~3%		2–8	92%~3%		1–9	92%~4%	
Feller Schneider	40420 (SBD420)	[RLC]	420W					N.A.	N.A.	3–8	95%~3%		1–12	94%~7%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	2-20	94% ~ 27%		2–20	93%~3%		2–16	94%~3%		1–14	96%~17%	
GIRA	2390 00/ 100	[LED]	7 ~ 100W –Push (3wire)	2-10	92% ~ 8%		2–8	91%~3%					1–10	93%~3%	
Hager	EVN 011	[RC]	300VA	2-14	98% ~ 13%	< 2	2–17	98%~5%		2–12	99%~3%		1–10	98%~8%	
Hager	EVN 012	[RC]	300W	2-14	98% ~ 13%	< 7	2-17	98%~5%		2–12	99%~3%		1–10	98%~13%	
Hager	EVN 004	[RL]	500VA	2-20	98% ~ 13%	< 8	2–17	98%~5%		2–20	97%~3%		1–17	98%~14%	
	225 TDE	[RC]	20 ~ 525 W-Turn	2-10	92% ~ 24%	10	2-17	96%~8%		2-20	91%~3%		1–17	98%~13%	
Jung		-													
Jung	1271LEDDE	[LED]	3 ~ 100W -Push (3wire)	2-10	92% ~ 36%	. 7	2-8	91%~3%	2	2-8	91%~3%		1–10	92%~3%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	2-6	81% ~ 28%	< 7	2-7	83%~7%	< 3	2-5	78%~3%		1-4	93%~19%	
Klik aan Klik uit	ACM 300	(0.1)	300W –3-wire Push LED Dimmer	2.40	000/ 00/		2–17	80%~3%		2–12	89%~3%		1–10	58%~3%	
Legrand	774161	[RL]	40 ~ 400 W-Turn	3-10	92% ~ 8%	< 4		N.A.	N.A.	2–8	94%~3%		2–11	93%~6%	
Legrand	78401	[RLC]	40 ~ 500W	2-19	93% ~ 13%		2–20	95%~3%		2–16	94%~3%		1–13	94%~7%	
Legrand	67081	[RL]	40 ~ 400 W–Turn	3-10	96% ~ 16%			N.A.	N.A.	3–8	95%~3%		2–9	94%~5%	
Legrand	67082	[RL]	40 ~ 600 W–Turn		N.A.	N.A.		N.A.	N.A.	3–8	94%~3%		2–15	94%~5%	
Legrand	67083	[RLC]	3 ~ 400W		89% ~ 10%		2–20	84%~3%		2–16	81%~3%		1–3	94%~3%	
Legrand	67084	[RLC]	8-300 VA -Push LED (3wire)	2-10	88% ~ 3%	< 5	2–8	96%~4%	<3	2–8	93%~3%		1–11	93%~8%	
Legrand	67085 (078406)	[RLC]	8-300 VA -Push LED (3wire)	2-10	96% ~ 3%		2–8	99%~3%		2–8	95%~3%		1–9	97%~3%	
Legrand	L4402N	[R]	60 ~ 500W	5-20	83% ~ 25%			N.A.	N.A.	3–20	78%~3%			N.A.	N.A.
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-10	88% ~ 20%			N.A.	N.A.	2–8	92%~3%		1–10	92%~14%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-10	88% ~ 3%		3~8	95%~3%		2–8	92%~3%		1–9	92%~4%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.	3–8	95%~3%		1–12	94%~7%	
MK-Electric	K1535	[R]	65 ~ 450 W–Turn	2-10	80% ~ 14%			N.A.	N.A.	2–8	70%~3%		1–13	77%~7%	
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W–Turn	2-10	86% ~ 14%		2–8	80%~3%		2–8	87%~3%		1–15	96%~30%	
MK-Electric	K4501 WHILV	[RLC]	180W	2-10	85% ~ 13%		2–13	78%~3%		2-9	86%~3%		1–7	92%~5%	
MK-Electric	K4500 WHILV	[RLC]	400W	2-15	85% ~ 13%		2–20	77%~3%		2–16	83%~3%		1–11	99%~29%	
NIKO	310-0280X	[LED]	2~100 VA	2-5	97% ~ 23%		2-6	98%~3%		2–4	97%~3%		1–3	96%~4%	
PEHA	431HAN	[RL]	6~120W [LED] 6~60W	2-6	85% ~ 29%		2–3	76%~3%		2–5	81%~3%		1–4	95%~3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	2-10	92% ~ 3%		2-8	89%~3%		2-8	89%~3%		1–14	93%~3%	
RELCO	RP0977	[LED]	4-100W				2–6	97%~9%		2–4	97%~6%		1–3	99%~15%	
RELCO	RM0545	[LED]	4-100W				2-6	94%~3%		2-4	92%~3%		1–3	92%~8%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-10	88% ~ 3%		3~8	95%~3%		2-8	92%~3%		1–9	92%~4%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-10	88% ~ 3%		3~8	95%~3%		2-8	92%~3%		1–9	92%~4%	
Schneider	SBD200 (WDE 002299)	[RC]	4 ~ 400VA-Turn Universal (2wire)	2-10	88% ~ 20%		J~0	N.A.	N.A.	2-8	92%~3%		1–10	92%~14%	
		(DC)	315W				2.0		IV.A.						
Schneider	SBD315RC (SBD 315)	[RC]		2-10	88% ~ 3%		3~8	95%~3%		2-8	92%~3%		1–9	92%~4%	
VADSBO	ED 350	[RC]	50 ~ 350W	2-15	88% ~ 27%	- 11	2–20	90%~7%		2-14	88%~4%		1–12	93%~14%	
VADSBO	DRS 315	[RC]	50 ~ 315W	2-15	93% ~ 17%	< 11		N.A.	N.A.	2–13	93%~3%		1–11	95%~10%	
VADSBO	DU 250	[RC]	20 ~ 250W	2-12	83% ~ 8%	< 11	2–14	91%~3%		2–10	80%~3%	<11	1–14	96%~17%	
Varilight	HQ3W	[R]	60-400W	2-10	92% ~ 6%		2–8	85%~3%		2–8	93%~3%		1–8	91%~5%	
Varilight	ICT401 M	[RC]	20-400W				2–20	84%~3%		2–16	86%~3%		1–13	94%~5%	
Vimar	20148	[RL]	500W	3-10	92% ~ 8%	< 11	2–8	87%~3%	<9	3–8	92%~3%	<9	1–14	92%~4%	
Vimar	14153	[R]		2-20	98% ~ 3%		2–8	97%~3%		2–20	94%~3%		1–15	99%~3%	
Vimar	20160	[RC]		2-14	92% ~ 8%	< 11	2–20	83%~3%	<9	3–20	94%~3%	<14	1–10	95%~3%	
Vimar	20162	[RL]	40 ~ 300W	2-10	88% ~ 8%	< 11	2–8	94%~4%	<9	2–8	91%~3%	< 9	1–9	91%~7%	
Philips Dynalite	DDLE801		(100W per channel)	2-20	88% ~ 8%		2–8	90%~3%		2–8	89%~3%		1–14	95%~3%	
Philips Dynalite	DDTM102 Module		(460 W per channel)	2-20	97% ~ 4%		2–8	94%~3%		2–8	89%~3%		1–13	99%~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)
- #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.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace 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).

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

									LED	spot					
					r LEDspot PAR			LEDspot PAR C		Co	rePro LEDspot		Co	repro LEDspot N	٨V
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					(45.36)										
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				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performan	Dimming Range	Glowing
Brand	Туре	Туре	Load	Din	Dim	99	Dir. Per	Dim	99	Din	Din	99	Din	Din	OB Glo
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	1–8	93%~12%		1–5	94%~13%		2-10	90%~20%		1 - 15	89% ~ 20%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	1–8	96%~11%	N 4	1–5	96%~12%	NI A	2-10	94%~8%	NI A	1 - 4	94% ~ 14%	
Bticino Busch Jaeger ABB	L4407 2200 U-503	[R]	60 ~ 250 W 60 ~ 400 W-Turn	1–8	N.A. 95%~11%	N.A.	1–8	N.A. 97%~57%	N.A.	2-10	N.A. 94%~16%	N.A.	1 - 15	91% ~ 12%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	1-11	94%~3%		1-8	95%~3%		2-10	92%~3%	12	1 - 10	92% ~ 16%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	1–13	96%~3%		1–9	96%~3%		2-10	92%~3%		2 - 20	96% ~ 6%	
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn	1–9	93%~12%		1	93%~12%		2-10	96%~20%		1 - 15	94% ~ 18%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	1–11	95%~3%		1–15	96%~3%		2-10	92%~3%		1 - 20	90% ~ 2%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	1–11	95%~12%		1–8	93%~11%		1-16	95%~20%			0004 0004	
ELKO Schneider ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1–8 1–7	92%~18% 94%~4%		1–5 1–5	93%~15% 94%~4%		2-10 2-10	88%~20% 88%~3%		1 - 15 1 - 15	89% ~ 23% 89% ~ 5%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1–9	96%~7%			N.A.	N.A.	2 10	N.A.	N.A.	1 - 15	93% ~ 12%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	1–8	95%~7%		1–6	96%~8%		1-16	97%~12%	<17			
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1–8	92%~18%		1–5	93%~15%		2-10	88%~20%		1 - 15	89% ~ 23%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	1–7	94%~4%		1–5	94%~4%					1 - 15	89% ~ 5%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	1–9	96%~7%			N.A.	N.A.		0.404 2004		1 - 15	93% ~ 12%	
GIRA	1176-00/01 2390 00/ 100	[RLC]	50 ~ 420W 7 ~ 100W -Push (3wire)	1–9 1–9	88%~7% 97%~3%		1–5	N.A. 94%~4%	N.A.	1-16 2-10	94%~30% 92%~8%		1 - 20	91% ~ 12%	
Hager	EVN 011	[RC]	300VA	1-6	96%~6%		5	97%~9%		1-12	97%~14%	< 13	1-20	9176 ~ 1276	
Hager	EVN 012	[RC]	300W	1–6	96%~14%		5	97%~14%		1-12	96%~15%	< 13			
Hager	EVN 004	[RL]	500VA	1–11	97%~14%		8	97%~14%		1-16	97%~15%	< 3			
Jung	225 TDE	[RC]	20 ~ 525 W–Turn	1–11	93%~13%		1–8	92%~14%		2-10	92%~24%		1 - 20	89% ~ 22%	
Jung	1271LEDDE	[LED]	3 ~ 100W -Push (3wire)	1–10	94%~3%		1–8	95%~3%		2-10	92%~36%		1 - 20	91% ~ 34%	
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W –3-wire Push LED Dimmer	1–3 1–6	89%~20% 84%~3%		1–2 1–5	92%~21% 81%~3%		1-5 1-12	79%~31% 87%~14%				
Legrand	774161	[RL]	40 ~ 400 W-Turn	1-8	96%~6%		1-6	97%~7%		3-10	92%~8%	< 4		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	5- 8	93%~8%			N.A.	N.A.	1-16	95%~14%				
Legrand	67081	[RL]	40 ~ 400 W-Turn	1–6	96%~3%		1–5	98%~7%		3-10	96%~16%			N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W-Turn	1–13	96%~3%			N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W	1–2	89%~3%		1–6	92%~3%	NI A	2-16	90%~12%	. 5	1 15	029/ 149/	
Legrand Legrand	67084 67085 (078406)	[RLC]	8–300 VA –Push LED (3wire) 8–300 VA –Push LED (3wire)	1–8 1–6	94%~3% 98%~3%			N.A.	N.A.	2-10 2-10	88%~3% 96%~3%	< 5	1 - 15 1 - 10	92% ~ 14% 97% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W	, ,	N.A.	N.A.	2- 3	91%~15%		2-16	95%~20%		, ,,	37.0 370	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1–8	92%~18%		1–5	93%~15%		2-10	88%~20%		1 - 15	89% ~ 23%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1–7	94%~4%		1–5	94%~4%		2-10	88%~3%		1 - 15	89% ~ 5%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1–9	96%~7%			N.A.	N.A.		N.A.	N.A.	1 - 15	93% ~ 12%	
MK-Electric MK-Electric	K1535 K1501 WHILV	[R]	65 ~ 450 W-Turn 60 ~ 500 W-Turn	1–5 1–7	84%~5% 84%~5%		1–7 1–8	88%~10% 93%~6%		2-10 2-10	80%~14% 86%~14%		2 - 4 1 - 20	82% ~ 19% 88% ~ 17%	
MK-Electric	K4501 WHILV	[RLC]	180W	1–7	93%~8%		1–3	93%~6%		1-9	90%~17%		. 20	0070 - 1770	
MK-Electric	K4500 WHILV	[RLC]	400W	1–11	93%~6%		1–6	91%~6%		1-16	89%~18%				
NIKO	310-0280X	[LED]	2 ~ 100 VA	1–2	86%~4%		1–2	94%~5%		1-4	86%~6%				
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1–3	86%~3%		1–2	91%~3%		1-5	89%~7%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	1–11	95%~3%		1–15	96%~3%		2-10	92%~3%				
RELCO RELCO	RPO977 RMO545	[LED]	4-100W 4-100W	1–2 1–2	89%~13% 83%~8%		1–2 1–3	99%~17% 93%~9%							
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1–7	94%~4%		1–5	94%~4%		2-10	88%~3%		1 - 15	89% ~ 5%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1–7	94%~4%		1–5	94%~4%		2-10	88%~3%		1 - 15	89% ~ 5%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA-Turn Universal (2wire)	1–8	92%~18%		1–5	93%~15%		2-10	88%~20%		1 - 15	89% ~ 23%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1–7	94%~4%		1–5	94%~4%		2-10	88%~3%		1 - 15	89% ~ 5%	
VADSBO	DRS 315	[RC]	50 ~ 350W	1–7	82%~13%		1–5 1–5	90%~1%		1-14	88%~27% 95%~19%	< 14			
VADSBO VADSBO	DRS 315	[RC]	50 ~ 315W 20 ~ 250W	1–7 1–5	90%~10% 88%~15		1-5	94%~11% N.A.	N.A.	2-13 1-10	95%~19% 85%~9%	< 14 < 11			
Varilight	HQ3W	[R]	60-400W	1–8	95%~4%		1–6	94%~5%		2-10	92%~6%		1 - 15	94% ~ 13%	
Varilight	ICT401 M	[RC]	20-400W	1–8	89%~5%		1–6	93%~5%		1-16	89%~6%				
Vimar	20148	[RL]	500W	1–11	97%~3%		1–8	95%~5%		3-10	92%~8%	< 11	2 - 20	92% ~ 16%	< 21
Vimar	14153	[R]		1-11	89%~3%		1–8	96%~3%		1-16	99%~6%				
Vimar Vimar	20160	[RC]	40 ~ 300W	1–6 1–6	90%~3% 96%~8%		1–8 1–5	92%~3% 35%~7%		2-16 2-10	94%~11%	< 17 < 11	1 - 10	90% ~ 12%	< 11
Philips Dynalite	DDLE801	[KL]	(100W per channel)	1-11	96%~8%		1–5 1–8	35%~7% 94%~3%		2-10	88%~8%	× 11	1 - 10	90% ~ 12% 88% ~ 9%	111
Philips Dynalite	DDTM102 Module		(460 W per channel)	1–9	96%~3%		1–7	93%~4%					1 - 20	90% ~ 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.
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- #4b) Yellow cells indication: Dimming range, minimum dim level will be >10%, and/or maximum level will be <80% lightlevel
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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	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	This document is for information purposes and must be treated as recommendation. Philips
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults
TRD	Dimmer Jamp combination not tested	

									LED	spot					
				c	CorePro LEDspot	MV	Co	orepro LEDspot I	MV	MAS	TER LEDbulbs	clear	MAS	TER LEDbulb	clear
					-60W R63			4.5-60W R63			6W-40W DimTone			8.5W-60W DimTone	
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				orm min	min ge	wing	or m	min _g	Glowing	orm in	ming ge	wing	ming orm	ming ge	Glowing
Brand	Туре	Type	Load	Dimming Performar	Dimmin Range	Glowing	Dimming Performan	Dimming Range	Glo	Dimming Performan	Dimming Range	Glowing	Dim ming Performa	Dimming Range	Glov
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	2-15	97%~20%		1 - 5	79%- 3%		1-3 (max 12)	87%~3%		1-3 (max 8)	98%~4%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn				1 - 5	85%- 14%		1-3 (max 13)	90%~3%		1-3 (max 9)	95%~3%	
Bticino	L4407		60 ~ 250 W								N.A.	N.A.		N.A.	N.A.
Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W–Turn	2-15	97%~36%	< 16	1 - 5	85% ~ 6%		1-3 (max 13)	93%~3%		1-3 (max 9)	94%~5%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	2-20	98%~3%		1 - 5	85% ~ 3%		1-3 (max 13)	90%~3%		1-3 (max 9)	95%~3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	2-20	98%~3%		1 - 5	85% ~ 3%		1-3 (max 17)	92%~3%		1-3 (max 11)	95%~3%	
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W–Turn	2-15	98%~21%		1 - 2	83% ~ 3%		1-3 (max 14)	94%~8%		1-3 (max 9)	96%~5%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	2-20	95%~3%		1 - 5	77% ~ 3%		1-3 (max 17)	86%~3%		1-3 (max 11)	89%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	2.10	00% 35%		1.7	709/ 20/		1-3 (max 17)	91%~4%		1-3 (max 11)	88%~5%	
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	99%~26%		1 - 5 1 - 5	78% ~ 3%		1-3 (max 6)	88%~3%		1-3 (max 4)	90%~4%	
ELKO Schneider ELKO Schneider	SBD315RC (315 GLE) SBD420RCRL (CCTEL13011)	[RC]	420W	2-10	97%~3% N.A.	N.A.	1 - 5 3 - 5	77% ~ 3%		1-3 (max 11)	93%~3%		1-3 (max 7)	92%~3% 95%~3%	
Eltako	EVD61NPN-UC	[RLC]	420W 400W 3-wire Push Module		IV.A.	IV.A.	3-5	85% ~ 3%		1-3 (max 11)	89%~3%		1-3 (max 7)	9376~376	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	99%~26%		1 - 5	78% ~ 3%		1-3 (max 6)	88%~3%		1-3 (max 4)	90%~4%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	2-10	97%~3%		1 - 5	77% ~ 3%		· · · · (max o)	2270 370		· · · · · · · · · · · · · · · · · · ·	5070 470	
Feller Schneider	40420 (SBD420)	[RLC]	420W		N.A.	N.A.	3 - 5	85% ~ 3%							
GIRA	1176-00/01	[RLC]	50 ~ 420W							1-3 (max 14)	93%~5%		1-3 (max 9)	88%~5%	
GIRA	2390 00/ 100	[LED]	7 ~ 100W -Push (3wire)	2-19	95%~7%		1 - 5	79%- 3%		1-3 (max 17)	86%~3%		1-3 (max 11)	91%~3%	
Hager	EVN 011	[RC]	300VA							1-3 (max 10)	98%~3%		1-3 (max 7)	93%~3%	
Hager	EVN 012	[RC]	300W							1-3 (max 10)	98%~3%		1-3 (max 7)	93%~3%	
Hager	EVN 004	[RL]	500VA							1-3 (max 17)	98%~3%		1-3 (max 11)	93%~3%	
Jung	225 TDE	[RC]	20 ~ 525 W–Turn	2-20	98%~25%			N.A.	N.A.	1-3 (max 18)	93%~3%		1-3 (max 12)	96%~5%	
Jung	1271LEDDE	[LED]	3 ~ 100W -Push (3wire)	2-20	96%~46%		1 - 5	80%- 3%		1-3 (max 17)	87%~7%		1-3 (max 11)	91%~7%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W							1-3 (max 4)	82%~4%		1-3 (max 2)	83%~5%	
Klik aan Klik uit	ACM 300		300W –3-wire Push LED Dimmer												
Legrand	774161 78401	[RL]	40 ~ 400 W-Turn 40 ~ 500W	2.10	N.A.	N.A.		N.A.	N.A.	1-3 (max 17)	069/ 39/	N.A.	1.2 (may 11)	N.A.	N.A.
Legrand	67081	[RLC]	40 ~ 400 W-Turn	3-10	97%~15%					1-3 (max 17)	96%~3% N.A.	N.A.	1-3 (max 11)	93%~3% N.A.	N.A.
Legrand Legrand	67082	[RL]	40 ~ 600 W-Turn	3-20	97%~14%						N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3~400W	3 20	3770-1470						N.A.	N.A.	1-3 (max 9)	90%~3%	TVI.A.
Legrand	67084	[RLC]	8–300 VA –Push LED (3wire)	2-15	97%~3%		1 - 2	77%- 3%		1-3 (max 10)	95%~3%		1-3 (max 7)	95%~3%	
Legrand	67085 (078406)	[RLC]	8-300 VA -Push LED (3wire)	2-11	99%~3%		1 - 5	93%- 3%		1-3 (max 10)	88%~17%		1-3 (max 7)	95%~3%	
Legrand	L4402N	[R]	60 ~ 500W								N.A.	N.A.	1-3 (max 11)	83%~5%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-10	99%~26%		1 - 5	78% ~ 3%		1-3 (max 6)	88%~3%		1-3 (max 4)	90%~4%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-10	97%~3%		1 - 5	77% ~ 3%		1-3 (max 11)	93%~3%		1-3 (max 7)	92%~3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.	3 - 5	85% ~ 3%		1-3 (max 14)	89%~3%		1-3 (max 9)	95%~3%	
MK-Electric	K1535	[R]	65 ~ 450 W–Turn	2-17	87%~16%		2	62%- 6%			N.A.	N.A.	1-3 (max 10)	80%~3%	
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	2-19	93%~16%		3 - 5	69%- 3%		1-3 (max 17)	85%~3%		1-3 (max 11)	90%~3%	
MK-Electric	K4501 WHILV	[RLC]	180W							1-3 (max 6)	88%~3%		1-3 (max 4)	83%~3%	
MK-Electric	K4500 WHILV	[RLC]	400W							1-3 (max 13)	88%~3%		1-3 (max 9)	85%~3%	
NIKO	310-0280X 431HAN	[LED]	2~100 VA							1-3 (max 17)	98%~4% 88%~4%		1-3 (max 11)	95%~5% 83%~5%	
PEHA Philips	UID8670	[RL]	6 ~ 120W [LED] 6 ~ 60W 2 ~ 100 VA-LED-Push (3wire)	2-20	95%~3%					1-3 (max 10) 1-3 (max 17)	86%~3%		1-3 (max 7) 1-3 (max 11)	83%~5%	
RELCO	RP0977	[LED]	4-100W	2 20	2370-370		1 - 5	94%- 4%		1 3 (max 17)	0070-376		1 5 (max II)	0370-370	
RELCO	RM0545	[LED]	4-100W				1 - 5	74%- 3%							
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-10	97%~3%		1 - 5	77% ~ 3%		1-3 (max 11)	93%~3%		1-3 (max 7)	92%~3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-10	97%~3%		1 - 5	77% ~ 3%		1-3 (max 11)	93%~3%		1-3 (max 7)	92%~3%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA-Turn Universal (2wire)	2-10	99%~26%		1 - 5	78% ~ 3%		1-3 (max 13)	88%~3%		1-3 (max 9)	90%~4%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-10	97%~3%		1 - 5	77% ~ 3%		1-3 (max 11)	93%~3%		1-3 (max 7)	90%~4%	
VADSBO	ED 350	[RC]	50 ~ 350W							1-3 (max 12)	91%~5%		1-3 (max 8)	85%~5%	
VADSBO	DRS 315	[RC]	50 ~ 315W								N.A.	N.A.	1-3 (max 7)	93%~3%	<2
VADSBO	DU 250	[RC]	20 ~ 250W							1-3 (max 8)	88%~3%	<4	1-3 (max 5)	83%~3%	<4
Varilight	HQ3W	[R]	60-400W	2-15	99%~4%		2	84%- 3%		1-3 (max 13)	92%~3%		1-3 (max 9)	99%~3%	
Varilight	ICT401 M	[RC]	20-400W	2.10	069/ 139/	- 1	1-2	0.40/ - 20/			NI A	NI A		NI A	N.A.
Vimar Vimar	20148 14153	[RL] [R]	500W	2-19	96%~13%	< 4	1 - 2	84%- 3%		1-3	N.A. 98%~3%	N.A.	1-3	N.A. 98%~3%	N.A.
Vimar	20160	[RC]								1-3	98%~3% N.A.	N.A.	1-3	98%~3%	<4
Vimar	20162	[RL]	40 ~ 300W	2-11	97%~9%	< 5	1 - 3	77%- 3%			N.A.	N.A.		N.A.	N.A.
Philips Dynalite	DDLE801	_	(100W per channel)	2-19	99%~3%		1 - 5	81%- 3%		1-3	95%~3%		1-3	93%~3%	
Philips Dynalite	DDTM102 Module		(460 W per channel)	2-17	97%~3%		1 - 5	79%- 3%		1-3	98%~3%		1-3	90%~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 more lamps than is specified in this document (most dimmers can be loaded with more lamps).
- 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.
- #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.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED product 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

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





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

				LED bulb												
					Master LEDbulk 6-40W frosted DimTone			Master ledbulb 8.5-60W frosted DimTone			AASTER LEDbulb -75W frosted CR DimTone		MASTER LEDbulbs 15W-100W frosted CRI80 DimTone			
					non and a second			near SWE								
				Dimming Performance	ming ge	ving	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	ving	Dimming Performance	Dimming Range	ving	
Brand	Туре	Туре	Load	Dim Perf	Dimming	Glowing	Dim. Perf	Dim	Glov	Dim. Perf	Dim	Glowing	Dim	Dim	Glowing	
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	1-3	98%~8%		1-3	94%~7%		1-3	87%~10%		1-3	89%~9%		
Berker INSTA Bticino	283010 L4407	[R]	60 ~ 400 W-Turn 60 ~ 250 W	1-3	98%~7% N.A.	N.A.	1-3	96%~5% N.A.	N.A.	1-3	93%~10% N.A.	N.A.	1-3	91%~9% N.A.	N.A.	
Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W-Turn	1-3	97%~19%	14074	1-3	94%~9%	14174	1-3	93%~17%	14.74	1-3	91%~22%	TV.	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	1-3	99%~3%		1-3	95%~3%		1-3	93%~3%		1-3	93%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	1-3	97%~3%		1-3	97%~3%		1-3	93%~3%		1-3	93%~3%		
Busch Jaeger ABB Busch Jaeger ABB	6513 U-102 6523 U	[RC]	40 ~ 420 W-Turn 2 ~ 100 VA-LED-Turn	1-3 1-3	98%~7% 83%~3%		1-3 1-3	95%~6% 89%~3%		1-3 1-3	93%~10% 87%~3%		1-3 1-3	91%~10% 87%~3%		
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Turn 2 ~ 100 VA-LED-Push (2wire)	1-3	88%~10%		1-3	97%~6%		1-3	98%~10%		1-3	98%~11%		
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)		N.A.	N.A.	2-3	93%~8%		1-3	90%~10%		1-3	89%~10%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	98%~3%		1-3	94%~2%		1-3	87%~3%		1-3	84%~3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.		N.A.	N.A.	1-3	93%~7%		1-3	91%~4%		
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400W 3-wire Push Module 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	98%~6% N.A.	N.A.	1-3 2- 3	99%~3% 93%~8%		1-3 1-3	97%~5% 90%~10%		1-3 1-3	97%~5% 89%~10%		
Feller Schneider	40300 (SBD315)	[RLC]	300W	1-3	98%~3%	IV.A.	1-3	94%~2%		1-3	90%~10%		1-5	8976~1076		
Feller Schneider	40420 (SBD420)	[RLC]	420W		N.A.	N.A.		N.A.	N.A.							
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	99%~19%			N.A.	N.A.	1-3	93%~24%		1-3	93%~24%		
GIRA	2390 00/ 100	[LED]	7 ~ 100W –Push (3wire)	1-3	97%~31%		1-3	95%~17%		1-3	90%~3%		1-3	87%~4%		
Hager Hager	EVN 011 EVN 012	[RC]	300VA 300W	1 -3 1 -3	98%~8% 98%~12%		1-3 1-3	99%~7% 99%~6%		1-3 1-3	97%~6% 97%~6%		1-3 1-3	97%~6% 97%~6%		
Hager	EVN 004	[RL]	500VA	1-3	99%~13%		1-3	99%~6%		1-3	97%~6%		1-3	97%~6%		
Jung	225 TDE	[RC]	20 ~ 525 W-Turn	1 - 3	98%~9%		1 - 3	96%~8%		1-3	90%~10%		1-3	89%~9%		
Jung	1271LEDDE	[LED]	3 ~ 100W -Push (3wire)	1 - 3	97%~4%					1-3	87%~20%		1-3	89%~29%		
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W		N.A.	N.A.	1-3	89%~8%			N.A.	N.A.		N.A.	N.A.	
Klik aan Klik uit Legrand	ACM 300 774161	[RL]	300W –3-wire Push LED Dimmer 40 ~ 400 W–Turn	2- 3	96%~8% N.A.	N.A.	1-3 2 - 3	96%~4% 96%~5%			N.A.	N.A.		N.A.	N.A.	
Legrand	78401	[RLC]	40 ~ 500W	1-3	98%~7%	IV.A.	1-3	97%~4%		1-3	94%~7%	N.A.	1-3	94%~7%	N.A.	
Legrand	67081	[RL]	40 ~ 400 W-Turn		N.A.	N.A.	2 - 3	97%~5%			N.A.	N.A.		N.A.	N.A.	
Legrand	67082	[RL]	40 ~ 600 W-Turn	3	98%~5%		2 - 3	97%~5%			N.A.	N.A.		N.A.	N.A.	
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.	1 - 2	89%~3%			N.A.	N.A.		N.A.	N.A.	
Legrand Legrand	67084 67085 (078406)	[RLC]	8–300 VA –Push LED (3wire) 8–300 VA –Push LED (3wire)	2 - 3 1 - 3	99%~6% 99%~3%		1-3 1-3	98%~6% 96%~3%		1-3 1-3	93%~7% 93%~3%		1-3	N.A. 91%~3%	N.A.	
Legrand	L4402N	[R]	60 ~ 500W	2 - 3	97%~13%		2- 3	89%~6%		1-3	86%~17%		1-3	86%~18%		
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)		N.A.	N.A.	2- 3	93%~8%		1-3	90%~10%		1-3	89%~10%		
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	98%~3%		1-3	94%~2%		1-3	87%~3%		1-3	84%~3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.	1-3	93%~7%		1-3	91%~4%		
MK-Electric MK-Electric	K1535 K1501 WHILV	[R]	65 ~ 450 W–Turn 60 ~ 500 W–Turn	1 -3 1 -3	99%~6% 97%~6%		1-3 1-3	84%~5% 90%~5%		1-3 1-3	80%~7% 83%~7%		1-3	82%~9% N.A.	N.A.	
MK-Electric	K4501 WHILV	[RLC]	180W	1-3	96%~7%		1-3	90%~3%		1-3	85%~8%		1-3	N.A. 85%~8%	IV.A.	
MK-Electric	K4500 WHILV	[RLC]	400W	1-3	95%~7%		1-3	90%~3%		1-3	90%-9%		1-3	90%~9%		
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	98%~3%		1 - 2	99%~3%								
PEHA	431HAN	[RL]	6~120W [LED] 6~60W	1- 3	98%~21%		1- 3	92%~3%		1-3	87%~3%		1-3	87%~3%		
Philips RELCO	UID8670 RP0977	[LED]	2 ~ 100 VA-LED-Push (3wire) 4-100W	1 -3 1- 3	83%~3% 96%~4%		1-3 1- 2	89%~3% 99%~9%		1-3	87%~3%		1-3	87%~3%		
RELCO	RM0545	[LED]	4-100W	1- 3	98%~8%		1- 2	95%~9%								
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	98%~3%		1-3	94%~2%		1-3	87%~3%		1-3	84%~3%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	98%~3%		1-3	94%~2%		1-3	87%~3%		1-3	84%~3%		
Schneider	SBD200 (WDE 002299)	IDC:	4 ~ 400VA-Turn Universal (2wire)		N.A.	N.A.	2- 3	93%~8%		1-3	90%~10%		1-3	89%~10%		
Schneider VADSBO	SBD315RC (SBD 315) ED 350	[RC]	315W 50 ~ 350W	1 - 3 1 - 3	98%~3% 99%~25%		1-3 1-3	94%~2% 94%~8%		1-3 1-3	87%~3% 84%~23%		1-3 1-3	84%~3% 84%~23%		
VADSBO	DRS 315	[RC]	50 ~ 315W	1-3	99%~25% N.A.	N.A.	,-,	94%~8% N.A.	N.A.	1-3	96%~9%		1-3	96%~9%		
VADSBO	DU 250	[RC]	20 ~ 250W	1 - 3	96%~6%		1 - 3	90%~3%		1-3	87%~3%		1-3	87%~3%		
Varilight	HQ3W	[R]	60-400W	1 - 3	96%~4%		1 - 3	96%~3%		1-3	90%~3%		1-3	91%~4%		
Varilight	ICT401 M	[RC]	20-400W	1 - 3	97%~3%		1 - 3	88%~2%		1-3	89%~3%		1-3	89%~3%		
Vimar Vimar	20148 14153	[RL] [R]	500W	1 - 3 2 - 3	97%~5% 98%~3%	<3	1 - 3 1 - 3	96%~4% 95%~6%	<2	1-3 1-3	93%~7% 98%~3%		1-3 1-3	91%~7% 98%~3%		
Vimar	20160	[RC]		2 - 3	98%~3%	<2	1-3	95%~6%	<2	1-3	98%~3%		1-3	98%~3%		
Vimar	20162	[RL]	40 ~ 300W	1 - 3	98%~7%	-3	1 - 3	95%~9%	- <2	1-3	90%~7%		1-3	87%~4%		
Philips Dynalite	DDLE801		(100W per channel)	1 - 3	96%~3%		1 - 3	93%~3%		1-3	90%~3%		1-3	89%~4%		
Philips Dynalite	DDTM102 Module		(460 W per channel)	1 - 3	98%~3%		1 - 3	95%~3%		1-3	90%~3%		1-3	89%~3%		
Note:	ehaviour can occur outside the ran															

- #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).

Disclaimer:

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

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



PHILIPS



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

									LED	bulb					
					MASTER LEDbul V-75W frosted C DimTone			MASTER LEDbulb 7-100W frosted (DimTone		C	orePro LEDbulb 6W-40W		C	orePro LEDbulk 8.5W-60W	,
					NEW			NEW						U	
				ng nance		bo.	ig nance		מט	ig nance	80	מט	ig nance	86	bu)
Brand	Туре	Туре	Load	Dimming Performar	Dimming Range	Glowing	Dimming Performan	Dimming Range	Glowing	Dimming Performan	Dimming Range	Glowing	Dimming Performa	Dimming Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	1-3	90% ~ 8%		1-3	96% ~ 9%		1-3	94%~3%		1-3	95%~3%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	1-3	92% ~ 6%		1-3	96% ~ 9%		1-3	96%~3%		1-3	92%~11%	
Bticino	L4407	(D)	60 ~ 250 W	1.2	020/ 100/		1.2	070/ 120/		1.2	N.A.	N.A.	1.2	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	1-3 1-3	93% ~ 10% 93% ~ 3%		1-3 1-3	97% ~ 13% 97% ~ 3%		1-3	98%~9% N.A.	N.A.	1-3 1-3	94%~15% 95%~3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	1-3	94% ~ 3%		1-3	99% ~ 3%		1-3	99%~3%	N.A.	1-3	92%~3%	
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn	1-3	93% ~ 8%		1-3	95% ~ 9%			98%~5%			92%~4%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	1-3	89% ~ 3%		1-3	92% ~ 3%		1-3	94%~3%		1-3	94%~3%	
Busch Jaeger ABB	6526 U	[LED]	2~100 VA-LED-Push (2wire)							1-3	91%~13%		1-3	92%~19%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 9%		1-3	91% ~ 9%		3	91%~3%		1-3	91%~7%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	88% ~ 3%		1-3	89% ~ 3%		1-3	93%~3%		1-3	98%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	93% ~ 3%		1-3	92% ~ 5%		1-3	91%~3%		1-3	93%~3%	
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400W 3-wire Push Module 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 9%		1-3	91% ~ 9%		3	91%~3%		1-3	91%~7%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	1-3	88% ~ 3%		1-3	89% ~ 3%		3	3170-370		1 3	3170-770	
Feller Schneider	40420 (SBD420)	[RLC]	420W	1-3	93% ~ 3%		1-3	92% ~ 5%							
GIRA	1176-00/01	[RLC]	50 ~ 420W							1-3	93%~15%		1-3	93%~13%	
GIRA	2390 00/ 100	[LED]	7 ~ 100W -Push (3wire)	1-3	89% ~ 3%		1-3	87% ~ 5%		1-3	94%~3%		1-3	99%~3%	
Hager	EVN 011	[RC]	300VA							1-3	97%~3%		1-3	97%~3%	
Hager	EVN 012	[RC]	300W							1-3	97%~3%		1-3	97%~3%	
Hager	EVN 004	[RL]	500VA	1.2	0.204 0.04		1.2	050/ 00/		1-3	97%~3%		1-3	97%~3%	
Jung	225 TDE 1271LEDDE	[RC]	20 ~ 525 W-Turn 3 ~ 100W -Push (3wire)	1-3 1-3	93% ~ 9% 89% ~ 3%		1-3 1-3	95% ~ 9% 90% ~ 5%		1-3 1-3	92%~8% 95%~3%		1-3 1-3	93%~7% 93%~3%	
Jung Klik aan Klik uit	AWMD-250	[LED]	3~24W	1-3	03%~3%		1-3	90%~3%		1-3	84%~12%		1-3	87%~20%	
Klik aan Klik uit	ACM 300	(LLD)	300W –3-wire Push LED Dimmer							, ,	0110 1270			37.70 20.70	
Legrand	774161	[RL]	40 ~ 400 W–Turn	1-3	94% ~ 4%		1-3	86% ~ 8%			N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W							1-3	93%~3%		1-3	93%~3%	
Legrand	67081	[RL]	40 ~ 400 W–Turn								N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W-Turn								N.A.	N.A.		N.A.	N.A.
Legrand	67083 67084	[RLC]	3 ~ 400W	1_2	039/ 39/		1-3	00% 4%			N.A. 98%~3%	N.A.		N.A. 92%~3%	N.A.
Legrand Legrand	67085 (078406)	[RLC]	8-300 VA -Push LED (3wire) 8-300 VA -Push LED (3wire)	1-3 1-3	93% ~ 3% 97% ~ 3%		1-3	90% ~ 4% 98% ~ 3%			98%~3%			92%~3%	
Legrand	L4402N	[R]	60 ~ 500W	13	3770 - 370		13	3070 - 370			N.A.	N.A.	2-3	87%~11%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 9%		1-3	91% ~ 9%		3	91%~3%		1-3	91%~7%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	88% ~ 3%		1-3	89% ~ 3%		1-3	93%~3%		1-3	98%~3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	93% ~ 3%		1-3	92% ~ 5%		1-3	91%~3%		1-3	93%~3%	
MK-Electric	K1535	[R]	65 ~ 450 W–Turn	1-3	80% ~ 6%		1-3	82% ~ 8%		1-3	82%~3%		1-3	84%~6%	
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	1-3	84% ~ 3%		1-3	88% ~ 7%		1-3	89%~3%		1-3	92%~3%	
MK-Electric MK-Electric	K4501 WHILV K4500 WHILV	[RLC]	180W 400W							1-3 1-3	87%~3% 87%~3%		1-3 1-3	88%~3% 87%~3%	
NIKO	310-0280X	[LED]	2 ~ 100 VA							1-3	96%~4%		1-3	96%~5%	
PEHA	431HAN	[RL]	6~120W [LED] 6~60W							1-3	85%~12%		1-3	89%~27%	
Philips	UID8670	[LED]	2~100 VA-LED-Push (3wire)							1-3	94%~3%		1-3	94%~3%	
RELCO	RP0977	[LED]	4-100W	1-3	97% ~ 3%		1-3	94% ~ 12%							
RELCO	RM0545	[LED]	4-100W	1-3	86% ~ 3%		1-3	84% ~ 6%							
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	88% ~ 3%		1-3	89% ~ 3%		1-3	93%~3%		1-3	98%~3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	88% ~ 3%		1-3	89% ~ 3%		1-3	93%~3% 91%~3%		1-3	98%~3%	
Schneider Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[RC]	4 ~ 400VA–Turn Universal (2wire) 315W	1-3 1-3	88% ~ 9% 88% ~ 3%		1-3 1-3	91% ~ 9% 89% ~ 3%		3 1-3	93%~3%		1-3 1-3	91%~7% 98%~3%	
VADSBO	ED 350	[RC]	50 ~ 350W	1 3	00% 3%		, ,	0570 1 570		1-3	89%~16%		1-3	85%~11%	
VADSBO	DRS 315	[RC]	50 ~ 315W							1-3	92%~3%		1-3	92%~3%	
VADSBO	DU 250	[RC]	20 ~ 250W							1-3	87%~3%		1-3	83%~3%	
Varilight	HQ3W	[R]	60-400W	1-3	93% ~ 3%		1-3	96% ~ 5%		1-3	95%~3%		1-3	95%~3%	
Varilight	ICT401 M	[RC]	20-400W												
Vimar	20148	[RL]	500W	1-3	92% ~ 3%		1-3	96% ~ 7%	<4		N.A.	N.A.	1-3	94%~3%	
Vimar	14153	[R]								1-3	99%~3%	NI A	1-3	99%~3%	
Vimar Vimar	20160	[RC]	40 ~ 300W	1-3	88% ~ 3%		1-3	91% ~ 5%	<4	1-3	N.A. 95%~5%	N.A.	1-3 1-3	92%~3% 88%~3%	
Philips Dynalite	DDLE801	[]	(100W per channel)	1-3	86% ~ 3%		1-3	91% ~ 4%	<4	1-3	92%~3%		1-3	95%~3%	
Philips Dynalite	DDTM102 Module		(460 W per channel)	1-3	87% ~ 3%		1-3	92% ~ 3%	<4	1-3	93%~3%		1-3	93%~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)
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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	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	This document is for information purposes and must be treated as recommendation. Philips
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	

								LEDanat				
								LED spot				
					CorePro LEDbulbs 11.5W-75W			Corepro LEDbulbs 13.5 - 100W A60			CorePro LEDbulbs 16W-100W	
					Products			P01.075			POLIS	
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								NEW				
				nce.			e Di			nce		
				Dimming Performar	e aing	ing	Dimming Performal	Dimming Range	ë B	Dimming Performar	Dimming Range	Ē 8
Brand	Туре	Туре	Load	Jimr Perfo	Dimming Range	Glowing	Jimm	Jimm Rang	Glowing	Jimr Perfo	Jimm Rang	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	1-3	90% ~ 10%		1 - 3	94% ~ 9%		1-3	91%~9%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	1-3	94% ~ 12%		1 - 3	98% ~ 10%			N.A.	N.A.
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	92% ~ 24%		1 - 3	98% ~ 15%		1-3	94%~25%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	1-3	94% ~ 3%		1 - 3	96% ~ 3%		1-3	94%~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	96% ~ 3% 92% ~ 10%		1-3 1-3	98% ~ 3% 98% ~ 8%		1-3 1-3	94%~3% 93%~9%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	1-3	82% ~ 3%		1-3	97% ~ 5%		1-3	90%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	1-3	88% ~ 23%					1-3	91%~25%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 13%		1 - 3	96% ~ 9%		1-3	90%~13%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	88% ~ 3%		1 - 3	97% ~ 3%		1-3	90%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	92% ~ 3%		1 - 3	99% ~ 4%		1-3	94%~3%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module									
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[RLC]	4 ~ 200W(RC) 4 ~ 400W(RL) 300W	1-3	88% ~ 13%		1-3 1-3	96% ~ 9% 97% ~ 3%		1-3	90%~13%	
Feller Schneider	40420 (SBD420)	[RLC]	420W				1-3	99% ~ 4%				
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	92% ~ 20%			33.0		1-3	93%~19%	
GIRA	2390 00/ 100	[LED]	7 ~ 100W –Push (3wire)	1-3	90% ~ 3%		1 - 3	97% ~ 5%		1-3	91%~3%	
Hager	EVN 011	[RC]	300VA	1-3	97% ~ 3%					1-3	96%~4%	
Hager	EVN 012	[RC]	300W	1-3	95% ~ 3%					1-3	95%~4%	
Hager	EVN 004	[RL]	500VA	1-3	97% ~ 5%			2001 001		1-3	98%~4%	
Jung Jung	225 TDE 1271LEDDE	[RC]	20 ~ 525 W-Turn 3 ~ 100W -Push (3wire)	1-3 1-3	90% ~ 10% 90% ~ 28%		1-3 1-3	98% ~ 9% 98% ~ 4%		1-3 1-3	91%~11% 91%~26%	
Klik aan Klik uit	AWMD-250	[LED]	3~24W	1-3	83% ~ 25%		1-3	36%~4%		1-3	85%~23%	
Klik aan Klik uit	ACM 300	(===)	300W –3-wire Push LED Dimmer									
Legrand	774161	[RL]	40 ~ 400 W-Turn		N.A.	N.A.	1 - 3	98% ~ 8%			N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	1-3	92% ~ 5%					1-3	94%~5%	
Legrand	67081	[RL]	40 ~ 400 W–Turn		N.A.	N.A.					N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W-Turn		N.A.	N.A.					N.A.	N.A.
Legrand Legrand	67083 67084	[RLC]	3 ~ 400W 8-300 VA -Push LED (3wire)	1-3	N.A. 92% ~ 5%	N.A.	1 - 3	96% ~ 3%		1-3	N.A. 92%~5%	N.A.
Legrand	67085 (078406)	[RLC]	8–300 VA –Push LED (3wire)	1-3	94% ~ 3%		1 - 3	99% ~ 3%		1-3	94%~3%	
Legrand	L4402N	[R]	60 ~ 500W	1-3	85% ~ 17%					1-3	85%~16%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88% ~ 13%		1 - 3	96% ~ 9%		1-3	90%~13%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	88% ~ 3%		1 - 3	97% ~ 3%		1-3	90%~3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	92% ~ 3%		1 - 3	99% ~ 4%		1-3	94%~3%	
MK-Electric MK-Electric	K1535 K1501 WHILV	[R]	65 ~ 450 W-Turn 60 ~ 500 W-Turn	1-3 1-3	82% ~ 10% 78% ~ 8%		1 - 3 1 - 3	88% ~ 9% 93% ~ 6%		1-3 1-3	83%~9% 88%~8%	
MK-Electric	K4501 WHILV	[RLC]	180W	1-3	78% ~ 8%		1 3	3376 - 076		1-3	88%-8%	
MK-Electric	K4500 WHILV	[RLC]	400W	1-3	78% ~ 8%					1-3	88%-8%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	95% ~ 13%					1-3	95%~13%	
PEHA	431HAN	[RL]	6~120W [LED] 6~60W	1-3	88% ~ 28%					1-3	88%~28%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	1-3	82% ~ 3%					1-3	90%~3%	
RELCO RELCO	RP0977 RM0545	[LED]	4-100W 4-100W				1 - 3 1 - 3	98% ~ 12% 94% ~ 6%				
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	88% ~ 3%		1-3	97% ~ 3%		1-3	90%~3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	88% ~ 3%		1 - 3	97% ~ 3%		1-3	90%~3%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA-Turn Universal (2wire)	1-3	88% ~ 13%		1 - 3	96% ~ 9%		1-3	90%~13%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	88% ~ 3%		1 - 3	97% ~ 3%		1-3	90%~3%	
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	85% ~ 17%					1-3	83%~15%	
VADSBO	DRS 315	[RC]	50 ~ 315W	1-3	90% ~ 7%					1-3	91%~6%	
VADSBO Varilight	DU 250 HQ3W	[RC]	20 ~ 250W 60-400W	1-3 1-3	80% ~ 3%		1-3	94% ~ 4%		1-3	80%~3%	
Varilight Varilight	ICT401 M	[R] [RC]	20-400W	1-3	94% ~ 3%		1-3	94% ~ 4%		1-3	93%~3%	
Vimar	20148	[RL]	500W	1-3	94% ~ 7%					1-3	94%~6%	
Vimar	14153	[R]		1-3	97% ~ 3%					1-3	98%~3%	
Vimar	20160	[RC]		1-3	90% ~ 3%		1-3	95% ~ 6%	<2	1-3	91%~3%	
Vimar	20162	[RL]	40 ~ 300W	1-3	88% ~ 3%		1-3	95% ~ 5%	<2	1-3	91%~3%	
Philips Dynalite	DDLE801		(100W per channel)	1-3	92% ~ 3%		1-3	95% ~ 3%		1-3	95%-3%	
Philips Dynalite	DDTM102 Module		(460 W per channel)	1-3	92% ~ 3%		1 - 3	96% ~ 3%		1-3	96%~3%	
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.
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 #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.
- #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:

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







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

Part					8 - 50W A 8 - 50W S	ssic filament LED I 160 gold / 5.5 - 40 15764 gold / 8 - 60 1693 CL / 8 - 60W	OW ST64 CL OW ST64 CL	D 7.5 - 48W A60 D 8 -60W A60		- 40W A60 CL -40W A60 CL	ST6	filament LED 64 clear dim 66 64 gold dim 50 64 gold dim 55	ow ow		c filament LED 50W / G120 gol	
Band Type																
Description 1974					ming ormance	86	ving	ming	ming ge	ving ga	ming ormance	ming ge	Ning B	ming ormance	ming ge	Glowing
Part Marc	Brand	Туре	Туре	Load	Dim Perf	Dim	Glo	Dim Perf	Dim	Glo	Dim Perf	Dim	Glo	Perf.	Dim	Glo
March Age Marc																
December March M			[R]		1-3		NΛ	2-3	97%~3%		1–3		NΛ	1–3		N.A.
Manual			[R]		1-3		IN.A.	1-3	98%~8%		1–3		N.A.	1–3		IN.A.
Both - Separate Math - Sep																
Both Mappel	Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	1-3	99% ~ 3%		1-3	97%~3%		1–3	96%~3%		1–3	96%~3%	
December																
SUBSIDENCE SUB			-													
SECTION PACE			-													
Description																
Peter Service George Service							N.A.			N.A.						
Part	Eltako	EVD61NPN-UC		400W 3-wire Push Module	1-3	97% ~ 3%		1-3	91%~3%		1-3	99%~3%		1-3	99%~3%	
March Name Auto Statistics	Feller Schneider										1–3	94%~6%		1–3	94%~6%	
Dec			-		2-3			2-3								
Page 10 Page Pa			-				N.A.			N.A.		0.50/ 440/			050/ 110/	
Pager			-					1-3	99%~3%							
Page			-					1-3	92%~3%							
Description 1900																
Man	Hager	EVN 004	[RL]	500VA	1-3	97% ~ 3%		1-3	92%~3%		1–3	98%~4%		1–3	98%~4%	
Mile and Nike with AMMO-250 LED 3 - 240/ 1-3 99% - 12% 1-3 99% - 12% 1-3 99% - 35	Jung	225 TDE	[RC]	20 ~ 525 W–Turn	1-3	98% ~ 3%		1-3	98%~3%		1–3	93%~6%		1–3	93%~6%	
Mac			-													
Pagend 77480			[LED]		1-3		NI A									
Figerand TAMOI RLC 40 - SOOW 1-3 97% - 3% 1-3 99% - 3% 1			(DL1								1-3		NΛ	1–3		N.A.
Engand GOBI Fig. 40 - 400 W-Turn					1-3		IN.A.				1-3		N.A.	1–3		IN.A.
Legrand 67083 (PLC) 3-400W 1 90%-3% 1-3 90%-3% 1-2 87%-5% 1-2 87%-5% 1-2 87%-5% 1-2 87%-5% 1-2 87%-5% 1-2 87%-5% 1-3 95%-3% 1				40 ~ 400 W-Turn						N.A.			N.A.			N.A.
Legrand 67084 RLC 8-300 VA -Push LED Owlve 1-3 99% - 3% 1-3 97% - 3% 1-3 95% - 3% 1-	Legrand	67082	[RL]	40 ~ 600 W-Turn				2-3	97%~3%			N.A.	N.A.		N.A.	N.A.
Legrand 67085 (078406) R.L. 8-300 VAPush LED (2wire) 1-3 99%-3% 1-3 99%-3% 1-3 98%-3% 2-3 89%-3% 2	Legrand		-	3 ~ 400W		96% ~ 3%			90%~3%			87%~5%			87%~5%	
Legrand Led Led Led Led Led Region Region Led Region																
Metrell Schneider SBD200LED MEGSI34-00000 IRLD 4 - 200W(RC) 4 - 400W(RL) 2-3 99% - 3% 2-3 99% - 3% 1-3 99% - 5% 1-3 99% - 5% 1-3 83% - 3% 1-3 83					1-3		NΔ									
Merten Schneider SBD3ISRC (MEGSI36-0000) IRC 20 - 420 VA					2-3	_	NiAi									
MK-Electric KI535 R 65 - 450 W-Turm 1-3 99% - 3% 2-3 93% - 3% 1-3 84% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 91% - 3% 1-3 97% -																
MK-Electric KI501WHILV [R] 60 - 500 W-Turm MK-Electric K4501WHILV [RLC] 180W MK-Electric K4501WHILV [RLC] 400W NA NA 1-3 98%-3% 1-3 91%-9% 1-3 91%-9% NIKO 310-0280X [LED] 2 - 100 VA PEHA 431HAN [RL] 6 - 120W [LED] 6 - 60W PHIlps UID8670 [LED] 2 - 100 VA-LED-Push (3wire) RELCO RP0977 [LED] 4 - 100W RELCO RNO545 [LED] 4 - 100W Schneider SBD315RC (SBD 315, SDD 315) [RC] 315W Schneider SBD315RC (SBD 315, SDD 315) [RC] 315W Schneider SBD315RC (SBD 315) [RC] 315W Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 83%-3% 1-3 83%-3% Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 98%-3% 1-3 83%-3% Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 93%-5% 1-3 93%-6% 1-3 93%-6% SCHNEIDER SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 93%-3% 1-3 83%-3% Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 93%-3% 1-3 83%-3% Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 93%-3% 1-3 83%-3% Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 93%-3% 1-3 83%-3% Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 93%-3% 1-3 83%-3% Schneider SBD315RC (SBD 315) [RC] 315W Z-3 99%-3% 2-3 99%-3% 1-3 93%-3% 1-3 93%-3% Z-3 99%-3% 1-3 93%-3%	Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.	3	99%~3%		3	99%~3%	
MK-Electric K4501 WHILV RLC 400W NA NA 1-3 98%-3% 1-3 91%-9% 1-3 91%-9% MK-Electric K4500 WHILV RLC 400W NA NA 1-3 92%-3% 1-3 91%-9% 1-3 9	MK-Electric	K1535	[R]	65 ~ 450 W–Turn	1-3	99% ~ 3%		2-3	93%~3%		1–3	84%~3%		1–3	84%~3%	
MK-Electric K4500 WHILV [RLC] 400W 1-3 97% - 3% 1-3 92% - 3% 1-3 91% - 9% 1-3 91% -																
NIKO 310-0280X [LED] 2-100 VA 1-3 97%-3% 1-3			-													
PEHA 43IHAN [RL 6-120W LED 6-60W 1-3 97% - 3% 1-3 97% - 3% 1-3 87% - 3% 1-3 87% - 3% 1-3 97					1-3		IV.A.									
Philips UID8670 ILED 2 - 100 VA - LED - Push (3wire) 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 99%-3% 1-3 83%-3% 1-																
RELCO RM0545 [LED] 4-100W 1-3 99% - 3% 1-3 92%-3% 1-3 83%-3% 1-3 8		UID8670		2 ~ 100 VA-LED-Push (3wire)												
Schneider SBD315RC (SBD 315, SDD 315) [RC] 315W 2-3 99% - 3% 2-3 98%-3% 1-3 83%-3% 1-3 83%-3% Schneider SBD315RC (ATD315)(CCT011533) [RC] 315W 2-3 99% - 3% 2-3 98%-3% 1-3 83%-3% 1-3 83%-3% Schneider SBD200 (WDE 002299) 4 - 400VA-Turn Universal (2wire) 2-3 99% - 3% 2-3 99%-3% 1-3 94%-6% 1-3 94%-6% Schneider SBD315RC (SBD 315) [RC] 315W 2-3 99% - 3% 2-3 99%-3% 1-3 94%-6% 1-3 94%-6% Schneider SBD315RC (SBD 315) [RC] 315W 2-3 99% - 3% 2-3 99%-3% 1-3 94%-6% 1-3 94%-6% VADSBO DB 305 [RC] 50 ~ 350W 1-3 97% - 3% 1-3 98%-3% 1-3 91%-9% 1-3 91%-9% VADSBO DB 250 [RC] 20 ~ 250W 1-3 97%-3% 1-3		RP0977	[LED]	4-100W												
Schneider SBD315RC (ATD315)(CCT011533) [RC] 315W 2-3 99% - 3% 2-3 98%-3% 1-3 83%-3% 1-3 83%-3% Schneider SBD200 (WDE 002299) 4 ~ 400VA-Turn Universal (2wire) 2-3 99% - 3% 2-3 99%-3% 1-3 83%-3% 1-3 84%-6% Schneider SBD315RC (SBD 315) [RC] 315W 2-3 99% - 3% 2-3 99%-3% 1-3 84%-6% 1-3 94%-6% VADSBO ED 350 [RC] 50 ~ 350W 1-3 97% - 3% 1-3 98%-3% 1-3 91%-9% 1-3 91%-9% VADSBO DRS 315 [RC] 50 ~ 315W N.A.			-													
Schneider SBD200 (WDE 002299) 4 – 400VA–Turn Universal (2wire) 2-3 99% – 3% 2-3 99% – 3% 1-3 94% – 6% 1-3 94% – 6% Schneider SBD315RC (SBD 315) [RC] 315W 2-3 99% – 3% 2-3 99% – 3% 1-3 83% – 3% 1-3 83% – 3% 1-3 83% – 3% 1-3 83% – 3% 1-3 91% – 9																
Schneider SBD315RC (SBD 315) [RC] 315W 2-3 99% - 3% 2-3 98%-3% 1-3 83%-3% 1-3 83%-3% VADSBO ED 35O [RC] 50 ~ 350W 1-3 97% - 3% 1-3 98%-3% 1-3 91%-9% 1-3 91%-9% VADSBO DRS 315 [RC] 50 ~ 315W N.A. N.A. <td< td=""><td></td><td></td><td>[RC]</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			[RC]													
VADSBO ED 350 [RC] 50 ~ 350W 1-3 97% - 3% 1-3 98%-3% 1-3 91%-9% 1-3 91%-9% VADSBO DRS 315 [RC] 50 ~ 315W N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A			[RC]													
VADSBO DU 250 [RC] 20~250W 1-3 97%~3% 1-3 84%~3% 1-3 87%~3% 1-3 87%~3% Varllight HQ3W [R] 60~400W 1-3 99%~3% 2 -3 97%~3% 1-3 93%~3% 1-3 93%~3% 1-3 93%~3% 1-3 93%~3% 1-3 87%~3% 1-3 87%~3% 1-3 87%~3% 1-3 87%~3% 1-3 87%~3% 1-3 87%~3% 1-3 87%~3% 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 2 1-3 95%~3% 1 3 95%~3% 1-3 95%~3% 1-3 95%~3% 1-3 95%~3% 1-3 95%~3% 1-3 95%~3% 1-3 95%~3% 1-3 95%~3% <td>VADSBO</td> <td>ED 350</td> <td>[RC]</td> <td>50 ~ 350W</td> <td>1-3</td> <td>97% ~ 3%</td> <td></td> <td>1-3</td> <td>98%~3%</td> <td></td> <td>1–3</td> <td>91%~9%</td> <td></td> <td>1–3</td> <td>91%~9%</td> <td></td>	VADSBO	ED 350	[RC]	50 ~ 350W	1-3	97% ~ 3%		1-3	98%~3%		1–3	91%~9%		1–3	91%~9%	
Varilight HQ3W [R] 60-400W 1-3 99% - 3% 2 - 3 97%-3% 1-3 93%-3% 1-3 93%-3% Varilight ICT401 M [RC] 20-400W 1-3 88% - 3% 1 - 3 75%-3% 1 - 3 87%-3% 1 - 3 87%-3% Vimar 20148 [RL] 500W N.A. N.A. N.A. 1 - 3 98%-3% 1 - 3 95%-3% 2 1 - 3 95%-3% 2 Vimar 14153 [R] N.A. N.A. N.A. 1 - 3 89%-3% 1 - 3 98%-3% 1 - 3 98%-3% Vimar 20160 [RC] 1 - 3 97% - 3% 1 - 3 91%-3% 1 - 3 92%-3% 1 - 3 92%-3%						N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Varilight ICT401 M [RC] 20-400W 1-3 88% ~ 3% 1-3 75% – 3% 1-3 87% – 3% 1-3 87% – 3% Vimar 20148 [RL] 500W N.A. N.A. 1-3 98% – 3% 1-3 95% – 3% 2 1-3 95% – 3% 2 Vimar 14153 [R] N.A. N.A. N.A. 1-3 89% – 3% 1-3 98% – 3%																
Vimar 20148 [RL] 500W N.A. N.A. 1-3 98%-3% 1-3 95%-3% 2 1-3 95%-3% 2 Vimar 14153 [R] N.A. N.A. N.A. 1-3 89%-3% 1-3 98%-3% 1-3 98%-3% Vimar 20160 [RC] 1-3 97%-3% 1-3 91%-3% 1-3 92%-3% 1-3 92%-3%																
Vimar 14153 [R] N.A. N.A. 1-3 89%-3% 1-3 98%-3% 1-3 98%-3% Vimar 20160 [RC] 1-3 97% ~ 3% 1-3 91%-3% 1-3 92%-3% 1-3 92%-3%					1-3		NLΔ						-2			<2
Vimar 20160 [RC] 1-3 97% ~ 3% 1 -3 91%-3% 1-3 92%-3% 1-3 92%-3%				33311		_							7			-2
					1-3											
	Vimar	20162	[RL]	40 ~ 300W	1-3	99% ~ 3%		1-3	98%~3%		1–3	97%~3%	<2	1–3	97%~3%	<2
Philips Dynalite DDLE801 (100W per channel) 1-3 87% ~ 3% 3 91%-3% 1-3 89%-3% 1-3 89%-3%																
Philips Dynalite DDTM102 Module (460 W per channel) 1-3 88% ~ 3% 1-3 90%-3% 1-3 91%-3% 1-3 91%-3%	Philips Dynalite	DDTM102 Module		(460 W per channel)	1-3	88% ~ 3%		1-3	90%~3%		1–3	91%~3%		1–3	91%~3%	

- #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) $Occupancy \ sensors \ can \ act \ like \ dimmers, \ therefore \ Philips \ recommend \ to \ use \ dimmable \ lamps \ in \ combination \ with \ it.$
- #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.
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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	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	This document is for information purposes and must be treated as recommendation. Philips
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	

				6.5 - 1 6.5 -	assic filament laı 25W Giant G200 25W Giant A160 .5 - 25W T65 smo	smoky smoky	40W 40W	ic filament LED I E27 G200 GOLD E27 A160 GOLD V E27 T65 GOLD	Lamps D DIM D DIM		c filament LED I OW Mushroom			ic filament LED 40W Diamond C	
				Dimming Performance	ming ge Man	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Brand	Туре	Туре	Load	Dim Perf	Dimmir Range	Glo	Dim	Dim	Glo	Dim Perf	Dim	Glo	Dim Perf	Dim	Glo
Berker INSTA	286710	[RC]	20 ~ 360 W-Turn	1-3	91% ~ 6%		1-3	87%~15%		1-3	99% ~ 3%		1-3	99% ~ 3%	
Berker INSTA Bticino	283010 L4407	[R]	60 ~ 400 W-Turn 60 ~ 250 W	1-3	93% ~ 4%		1–2	93%~7%		2-3	99% ~ 3% N.A.	N.A.	2-3 2-3	99% ~ 3% 82% ~ 3%	
Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W-Turn	1-3	93% ~ 13%		1–3	97%~13%		1-3	99% ~ 7%	14.75.	1-3	99% ~ 8%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	1-3	92% ~ 3%		1–3	92%~3%		1-3	99% ~ 3%		2-3	99% ~ 3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	1-3	93% ~ 3%		1–2	91%~12%		2-3	99% ~ 3%		2-3	99% ~ 3%	
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn 2 ~ 100 VA-LED-Turn	1-3	93% ~ 4%		1-3	92%~13%		1-3	99% ~ 3%		1-3	99% ~ 3%	
Busch Jaeger ABB Busch Jaeger ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED-Turn 2 ~ 100 VA-LED-Push (2wire)	1-3	90% ~ 8%		1–3	84%~16%		1-3 1-3	99% ~ 3% 99% ~ 3%		1-3 1-3	99% ~ 3% 99% ~ 3%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	92% ~ 6%		1-3	91%~16%		13	N.A.	N.A.	1-3	99% ~ 3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	90% ~ 3%		1–3	91%~3%		2-3	99% ~ 3%		2-3	99% ~ 3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2-3	95% ~ 5%		3	94%~17%			N.A.	N.A.		N.A.	N.A.
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)	1-3 1-3	92% ~ 6% 90% ~ 3%					2-3	N.A. 99% ~ 3%	N.A.	1-3	99% ~ 3% 99% ~ 3%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	2-3	95% ~ 5%					2-3	99% ~ 3% N.A.	N.A.	2-3	99% ~ 3% N.A.	N.A.
GIRA	1176-00/01	[RLC]	50 ~ 420W							1-3	99% ~ 3%		1-3	99% ~ 3%	111111
GIRA	2390 00/ 100	[LED]	7 ~ 100W -Push (3wire)	1-3	89% ~ 3%		1–3	83%~4%		1-3	99% ~ 3%		1-3	99% ~ 3%	
Hager	EVN 011	[RC]	300VA							1-3	99% ~ 3%		1-3	99% ~ 3%	
Hager	EVN 012	[RC]	300W							1-3	99% ~ 3%		1-3	97% ~ 3%	
Hager Jung	EVN 004 225 TDE	[RL]	500VA 20 ~ 525 W–Turn	1-3	92% ~ 7%		1-3	89%~17%		1-3 1-3	99% ~ 3% 99% ~ 3%		1-3 1-3	99% ~ 3% 99% ~ 3%	
Jung	1271LEDDE	[LED]	3 ~ 100W -Push (3wire)	1-3	92% ~ 7% 88% ~ 3%		1-3	83%~4%		1-3	99% ~ 3%		1-3	99% ~ 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	[RL]	40 ~ 400 W-Turn		N.A.	N.A.	3	95%~9%			N.A.	N.A.	2-3	92% ~ 3%	
Legrand	78401	[RLC]	40 ~ 500W							1-3	98% ~ 3%		1-3	97% ~ 3%	
Legrand Legrand	67081 67082	[RL]	40 ~ 400 W-Turn 40 ~ 600 W-Turn												
Legrand	67083	[RLC]	3~400W							1-3	98% ~ 3%		1-3	97% ~ 3%	
Legrand	67084	[RLC]	8-300 VA -Push LED (3wire)	1-3	94% ~ 3%		2–3	92%~8%		1-3	98% ~ 4%		2-3	99% ~ 3%	
Legrand	67085 (078406)	[RLC]	8-300 VA -Push LED (3wire)	1-3	97% ~ 3%		1–3	93%~3%		1-3	98% ~ 3%		1-3	98% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W							2-3	98% ~ 3%		2-3	97% ~ 3%	
Merten Schneider Merten Schneider	SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	-	4 ~ 200W(RC) 4~400W(RL)	1-3 1-3	92% ~ 6% 90% ~ 3%					2-3	N.A. 99% ~ 3%	N.A.	1-3 2-3	99% ~ 3% 99% ~ 3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RC]	20 ~ 420 VA	2-3	95% ~ 5%					2-3	99% ~ 3% N.A.	N.A.	2-3	99% ~ 3% N.A.	N.A.
MK-Electric	K1535	[R]	65 ~ 450 W-Turn	2-3	81% ~ 5%		1	68%~12%		2-3	92% ~ 3%		2-3	92% ~ 3%	
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	2-3	87% ~ 3%		1–2	84%~8%		1 or 3	99% ~ 3%		1-3	99% ~ 3%	
MK-Electric	K4501 WHILV	[RLC]	180W							1-3	98% ~ 3%		1-3	99% ~ 3%	
MK-Electric	K4500 WHILV	[RLC]	400W							1-3	98% ~ 3%		1-3	98% ~ 3%	
NIKO PEHA	310-0280X 431HAN	[RL]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W							1-3 1-3	98% ~ 3% 97% ~ 3%		1-3 1-3	98% ~ 3% 98% ~ 3%	
Philips	UID8670	[LED]	2~100 VA-LED-Push (3wire)							1.5	3770-370		13	3070 - 370	
RELCO	RP0977	[LED]	4-100W	1-3	96% ~ 16%		1–3	91%~23%		1-3	99% ~ 3%		1-3	99% ~ 3%	
RELCO	RM0545	[LED]	4-100W	1-3	90% ~ 3%		1–3	87%~7%		1-3	99% ~ 3%		1-3	99% ~ 3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	90% ~ 3%					2-3	99% ~ 3%		2-3	99% ~ 3%	
Schneider Schneider	SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[RC]	315W 4 ~ 400VA-Turn Universal (2wire)	1-3 1-3	90% ~ 3% 92% ~ 6%					2-3	99% ~ 3% N.A.	N.A.	2-3 1-3	99% ~ 3% 99% ~ 3%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	90% ~ 3%					2-3	99% ~ 3%	IV.A.	2-3	99% ~ 3%	
VADSBO	ED 350	[RC]	50 ~ 350W							1-3	98% ~ 3%		1-3	97% ~ 3%	
VADSBO	DRS 315	[RC]	50 ~ 315W							3	98% ~ 3%			N.A.	N.A.
VADSBO	DU 250	[RC]	20 ~ 250W							1-3	91% ~ 3%		1-3	91% ~ 3%	
Varilight	HQ3W	[R]	60-400W	2-3	92% ~ 3%		1–3	89%~5%		2-3	98% ~ 3%		2-3	92% ~ 3%	
Varilight Vimar	ICT401 M 20148	[RC]	20-400W 500W	1 or 3	92% ~ 3%		1-3	94%~8%		2-3 1-3	87% ~ 3% 99% ~ 3%	< 2	1-3 2-3	93% ~ 3% 99% ~ 3%	< 2
Vimar	14153	[R]	33311	10/3	J270 - 370		1=3	J-170-070		3	98% ~ 3%		1-3	98% ~ 3%	2
Vimar	20160	[RC]								1-3	99% ~ 3%		1-3	99% ~ 3%	
Vimar	20162	[RL]	40 ~ 300W	1-3	90% ~ 4%		1–3	93%~5%		1-3	99% ~ 3%	< 2	1-3	99% ~ 3%	
Philips Dynalite	DDLE801		(100W per channel)	1-3	88% ~ 3%		1–3	89%~3%			N.A.	N.A.	2-3	85% ~ 3%	
Philips Dynalite	DDTM102 Module		(460 W per channel)	1-3	89% ~ 3%		1–3	86%~3%		1-3	86% ~ 3%		2-3	85% ~ 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
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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.
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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	Lamps are dimmable across full dimming range, but exhibit diminished flickering at a single distinct position in the range	This document is for information purposes and must be treated as recommendation. Philips
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	

				Classic filament LED lamps DimTone 5.5 – 40W A60 8,5 – 60W A60 8.5 – 60W ST64			Class	ic filament LED l 12 - 100W A67	amps		LED candles ar DimTone 4-25W	nd lusters	MASTER LED candles and lusters DimTone 6-40W			
										T			T			
				Dimming Performance	Dimming AZ Range A	Glowing	Dimming Performance	Dimming Range ABI	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand	Туре	Туре	Load			99			99			8			Ol9	
Berker INSTA Berker INSTA	286710 283010	[RC]	20 ~ 360 W-Turn 60 ~ 400 W-Turn	1-3 1-3	87% ~ 3% 90% ~ 3%		1-3 1-3	92% ~ 14% 98% ~ 14%		2-18 2-20	96%~3% 89%~3%		2-12 2-13	93%~3% 89%~3%		
Bticino	L4407	[K]	60 ~ 250 W	1-3	N.A.	N.A.	1-3	30%~14%		2-20	N.A.	N.A.	2-13	N.A.	N.A.	
Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W-Turn	1-3	93% ~ 3%		1-3	97% ~ 7%		2-20	92%~3%		2-13	92%~3%		
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	1-3	90% ~ 3%		1-3	98% ~ 3%		2-25	91%~3%		2-17	91%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	1-3	92% ~ 3%		1-3	98% ~ 15%		2-30	88%~3%		2-20	93%~3%		
Busch Jaeger ABB Busch Jaeger ABB	6513 U-102 6523 U	[RC]	40 ~ 420 W-Turn 2 ~ 100 VA-LED-Turn	1-3 1-3	94% ~ 8% 86% ~ 3%		1-3 1-3	96% ~ 13% 94% ~ 19%		2-21 2-20	94%~3% 84%~3%		2-14 2-17	91%~3% 83%~3%		
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	1-3	91% ~ 4%		, ,	3470 1370		2-20	88%~7%	<4	2-17	88%~5%	< 6	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	88% ~ 3%		1-3	90% ~ 15%		2-20	95%~3%		2-13	92%~3%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	93% ~ 3%		1-3	90% ~ 3%		2-15	88%~3%		2-11	87%~0%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	89% ~ 3%		1-3	93% ~ 15%		2-20	91%~3%		2-14	90%~3%		
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% ~ 15%		2-20	95%~3%		2-13	92%~3%		
Feller Schneider	40300 (SBD315)	[RLC]	300W	1-3	93% ~ 3%		1-3	90% ~ 15%		2-20	93%~3%		2-13	9270~370		
Feller Schneider	40420 (SBD420)	[RLC]	420W	1-3	89% ~ 3%		1-3	93% ~ 15%								
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93% ~ 5%					2-20	95%~7%	<7	2-14	95%~5%	< 9	
GIRA	2390 00/ 100	[LED]	7 ~ 100W –Push (3wire)	1-3	86% ~ 3%		1-3	97%5%		2-25	94%~3%		2-17	92%~3%		
Hager	EVN 011	[RC]	300VA	1-3	98% ~ 3%						95%~4%	<7	2-10	96%~3%	< 10	
Hager Hager	EVN 012 EVN 004	[RC]	300W 500VA	1-3 1-3	98% ~ 3% 98% ~ 3%						95%~4% 95%~7%	<7 <7	2-10 2-17	95%~3% 96%~4%	< 10 < 11	
Jung	225 TDE	[RC]	20 ~ 525 W-Turn	1-3	93% ~ 3%		1-3	94% ~ 16%		2-26	89%~3%	**	2-18	89%~3%		
Jung	1271LEDDE	[LED]	3 ~ 100W –Push (3wire)	1-3	87% ~ 7%		1-3	97%3%		2-25	93%~4%		2-17	92%~3%		
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	1-3	82% ~ 4%						78%~7%	<6	2-4	77%~4%	< 5	
Klik aan Klik uit	ACM 300	(8)	300W –3-wire Push LED Dimmer													
Legrand Legrand	774161 78401	[RL]	40 ~ 400 W-Turn 40 ~ 500W	1-3	96% ~ 3%	N.A.		N.A.	N.A.	2-20	N.A. 95%~4%	N.A. <7	2-13	N.A. 93%~4%	N.A. < 9	
Legrand	67081	[RL]	40 ~ 400 W-Turn	1-3	N.A.	N.A.				2-20	N.A.	N.A.	2-13	N.A.	N.A.	
Legrand	67082	[RL]	40 ~ 600 W-Turn		N.A.	N.A.					N.A.	N.A.		N.A.	N.A.	
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.					N.A.	N.A.		N.A.	N.A.	
Legrand	67084	[RLC]	8–300 VA –Push LED (3wire)	1-3	95% ~ 3%		1-3	98% ~ 4%			N.A.	N.A.		N.A.	N.A.	
Legrand	67085 (078406)	[RLC]	8–300 VA –Push LED (3wire) 60 ~ 500W	1-3	88% ~ 17%	NI A	1-3	94% ~ 3%		2-15	94%~3%		2-10	91%~3%		
Legrand Merten Schneider	L4402N SBD200LED (MEG5134-0000)	[R] [LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	N.A. 88% ~ 3%	N.A.	1-3	90% ~ 15%		2-20	79%~4% 95%~3%		8-17 2-13	79%~4% 92%~3%		
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1-3	93% ~ 3%		1-3	90% ~ 3%		2-15	88%~3%		2-11	87%~3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	89% ~ 3%		1-3	93% ~ 15%		2-20	91%~3%		2-14	90%~3%		
MK-Electric	K1535	[R]	65 ~ 450 W-Turn		N.A.	N.A.	1-3	84% ~ 16%		2-23	79%~3%		2-15	77%~3%		
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	1-3	85% ~ 3%		1-3	91% ~ 8%		2-25	88%~3%		2-17	87%~3%		
MK-Electric MK-Electric	K4501 WHILV K4500 WHILV	[RLC]	180W 400W	1-3 1-3	88% ~ 3% 88% ~ 3%						83%~3% 83%~3%		2-7	82%~3% N.A.	N.A.	
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	98% ~ 4%					2-5	96%~5%		2-3	N.A. 96%~4%	N.A.	
PEHA	431HAN	[RL]	6~120W [LED] 6~60W	1-3	88% ~ 4%						82%~7%		2-4	82%~5%		
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	1-3	86% ~ 3%					2-20	84%~3%		2-17	83%~3%		
RELCO	RP0977	[LED]	4-100W				1-3	99% ~ 23%								
RELCO Schneider	RMO545 SBD315RC (SBD 315, SDD 315)	[LED]	4-100W 315W	1-3	93% ~ 3%		1-3 1-3	83% ~ 6% 90% ~ 3%		2-15	88%~3%		2-11	87%~3%		
Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	93% ~ 3%		1-3	90% ~ 3%		2-15	88%~3%		2-11	87%~3%		
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400VA-Turn Universal (2wire)	1-3	88% ~ 3%		1-3	90% ~ 15%		2-20	95%~3%		2-13	92%~3%		
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	93% ~ 3%		1-3	90% ~ 3%		2-15	88%~3%		2-11	87%~3%		
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	91% ~ 5%					2-18	88%~7%		2-12	84%~4%		
VADSBO	DRS 315	[RC]	50 ~ 315W		N.A.	N.A.				4-16	89%~4%		5-11	91%~4%	< 12	
VADSBO Varilight	DU 250 HQ3W	[RC]	20 ~ 250W 60-400W	1-3 1-3	88% ~ 3% 92% ~ 3%	<4	1-3	96% ~ 3%		2-13 2-20	86%~3% 91%~3%		2-8 2-13	79%~3% 90%~3%	< 8	
Varilight	ICT401 M	[RC]	20-400W	1-3	3270~376		1-3	3070~370		2-20	3170~370		2-13	3070~370		
Vimar	20148	[RL]	500W		N.A.	N.A.	1-3	97% ~ 8%		6-25	90%~3%	<6	4-17	92%~3%	<4	
Vimar	14153	[R]		1-3	98% ~ 3%					2-20	99%~3%		2-17	96%~3%	< 7	
Vimar	20160	[RC]			N.A.	N.A.					89%~3%		2-10	89%~3%	< 11	
Vimar	20162	[RL]	40 ~ 300W	1.2	N.A.	N.A.	1-3	92% ~ 3%		6-15	92%~3%	<6	4-10	86%~3%	<4	
Philips Dynalite Philips Dynalite	DDLE801 DDTM102 Module		(100W per channel) (460 W per channel)	1-3 1-3	95% ~ 3% 98% ~ 3%		1 -2 1 -3	96% ~ 3% 94% ~ 3%		2-20 2-20	89%~3% 92%~3%		2-17 2-15	91%~3% 91%~3%		
Note :		I						2.70 370						2.70 370		

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T.B.D.	Dimmer lamp combination not tested	

								I ED and				
			MASTER LED candles and lusters				LED spot	mns	Classic filament LED lamps			
				MAST	DimTone	lusters	Cli	assic filament LED lar 5 - 32W B35 gold	nps	Cla	D 2.7 -25W	nps
			6-40W			5 - 32W P45 gold 5 - 32W E			D 5 - 40W D 5 - 35W			
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Brand	Туре	Туре	Load	Dimming Performar	Dimming Range	Glowing	Dimming Performal	Dimming	Glowing	Dimming Performar	Dimming Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W–Turn	2-12	90%~3%		2 - 10	94%- 3%		2 -8	99% ~ 3%	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn				2 - 10	97%- 3%		2 -8	99% ~ 3%	
Busch Jaeger ABB	L4407 2200 U-503	[R]	60 ~ 250 W 60 ~ 400 W-Turn		N.A.	N.A.	2 - 10	97%- 11%		2 - 8	N.A. 99% ~ 12%	N.A.
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn				2 - 10	97%- 11%		2 - 8	99% ~ 3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	2-15	92%~3%		2 - 10	95%- 3%		3 - 8	99% ~ 3%	
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn	2-14	91%~3%		3 - 10	97%- 3%		2 - 8	99% ~ 3%	
Busch Jaeger ABB Busch Jaeger ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED-Turn 2 ~ 100 VA-LED-Push (2wire)	2-15 2-17	88%~3% 99%~3%		2 - 10	97%- 3%		2 - 6 2 - 20	99% ~ 3% 97% ~ 3%	
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL)	2-13	90%~3%		5 - 10	96%- 3%		2 - 8	99% ~ 3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2-11	90%~3%		5 - 10	97%- 3%		3 - 8	99% ~ 3%	
ELKO Schneider Eltako	SBD420RCRL (CCTEL13011) EVD61NPN-UC	[RLC]	420W 400W 3-wire Push Module	2-13	99%~3%			N.A.	N.A.	3 - 8 2 - 16	99% ~ 3% 96% ~ 3%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-13	90%~3%		5 - 10	96%- 3%		2 - 8	99% ~ 3%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	2-11	90%~3%		5 - 10	97%- 3%		3 - 8	99% ~ 3%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	2.11	000/ 10/			N.A.	N.A.	3 - 8	99% ~ 3%	
GIRA	1176-00/01 2390 00/ 100	[RLC]	50 ~ 420W 7 ~ 100W –Push (3wire)	2-14	99%~4%		2 - 10	97%- 3%		2 - 17 2- 8	97% ~ 3% 99% ~ 19%	
Hager	EVN 011	[RC]	300VA	2-10	99%~3%		2 10	3770 370		2 - 12	96% ~ 3%	
Hager	EVN 012	[RC]	300W	2-10	99%~3%					2 - 12	96% ~ 3%	
Hager Jung	EVN 004 225 TDE	[RL]	500VA 20 ~ 525 W–Turn	2-10 2-10	99%~3% 89%~3%		2 - 10	94%- 3%		2 - 20 2 -8	96% ~ 3% 99% ~ 3%	
Jung	1271LEDDE	[LED]	3 ~ 100W -Push (3wire)	2-15	90%~3%		2 - 10	95%- 3%		2 - 8	99% ~ 3%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	2-4	88%~3%					2 - 5	93% ~ 4%	
Klik aan Klik uit	ACM 300	(8)	300W –3-wire Push LED Dimmer	2-10	94%~3%					2 - 12	96% ~ 3%	
Legrand Legrand	774161 78401	[RL]	40 ~ 400 W-Turn 40 ~ 500W	2-13	99%~3%			N.A.	N.A.	3 -8 2 -16	99% ~ 3% 95% ~ 3%	
Legrand	67081	[RL]	40 ~ 400 W-Turn		N.A.	N.A.				3 -8	99% ~ 3%	
Legrand	67082	[RL]	40 ~ 600 W-Turn							3 -8	99% ~ 3%	
Legrand	67083 67084	[RLC]	3 ~ 400W 8-300 VA -Push LED (3wire)	2-5	87%~3%		2 - 10	97%- 3%		2 -16 2 -8	95% ~ 3% 99% ~ 3%	
Legrand Legrand	67085 (078406)	[RLC]	8–300 VA –Push LED (3wire)	2-10	95%~3%		2 - 10	94%- 3%		2 -8	99% ~ 3%	
Legrand	L4402N	[R]	60 ~ 500W	3-17	90%~3%					3 -20	95% ~ 3%	
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200W(RC) 4~400W(RL)	2-13	90%~3%		5 - 10	96%- 3%		2 - 8	99% ~ 3%	
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC]	315W 20 ~ 420 VA	2-11	90%~3%		5 - 10	97%- 3% N.A.	N.A.	3 - 8 3 - 8	99% ~ 3% 99% ~ 3%	
MK-Electric	K1535	[R]	65 ~ 450 W-Turn	2-15	80%~3%		2 - 10	97%- 3%		3 - 8	99% ~ 3%	
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	2-15	80%~3%		2 - 10	97%- 3%		3 - 8	99% ~ 3%	
MK-Electric MK-Electric	K4501 WHILV K4500 WHILV	[RLC]	180W 400W	2-7 2-13	90%~3% 84%~3%					3 - 9 8 - 16	96% ~ 3% 96% ~ 3%	
NIKO	310-0280X	[LED]	2~100 VA	2-13	99%~3%					2 - 4	96% ~ 3%	
PEHA	431HAN	[RL]	6~120W [LED] 6~60W	2-4	89%~3%					2 - 5	96% ~ 3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED-Push (3wire)	2-15	88%~3%					2 - 6	99% ~ 3%	
RELCO	RP0977 RM0545	[LED]	4-100W 4-100W	2-3 2-3	99%~4% 96%~3%		2 - 10 2 - 10	97%- 3% 97%- 3%		2 - 4	96% ~ 3% N.A.	N.A.
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-11	90%~3%		5 - 10	97%- 3%		3 - 8	99% ~ 3%	N.A.
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-11	90%~3%		5 - 10	97%- 3%		3 - 8	99% ~ 3%	
Schneider	SBD200 (WDE 002299)	I no	4 ~ 400VA–Turn Universal (2wire)	2-13	90%~3%		5 - 10	96%- 3%		2 - 8	99% ~ 3%	
Schneider VADSBO	SBD315RC (SBD 315) ED 350	[RC]	315W 50 ~ 350W	2-11 2-12	90%~3% 90%~3%		5 - 10	97%- 3%		3 - 8 2 - 14	99% ~ 3% 95% ~ 3%	
VADSBO	DRS 315	[RC]	50 ~ 315W	3-11	80%~3%					3 - 13	95% ~ 3%	
VADSBO	DU 250	[RC]	20 ~ 250W	2-8	85%~3%					2 - 10	85% ~ 3%	
Varilight	HQ3W	[R]	60-400W	2-13	90%~3%		2 - 10	96%- 3%		3 -8	99% ~ 3%	
Varilight Vimar	ICT401 M 20148	[RC]	20-400W 500W	2-13	88%~3%		2 - 10	97%- 3%		3 -16 2 - 8	90% ~ 3% 99% ~ 3%	<2
Vimar	14153	[R]	35544	2-17	93%~3%		2=10	21 10- 376		2 - 8 5 -20	99% ~ 3% 96% ~ 3%	
Vimar	20160	[RC]		2-17	96%~3%					2 -20	96% ~ 3%	
Vimar	20162	[RL]	40 ~ 300W				2 - 10	97%- 3%		2 - 8	99% ~ 3%	<2
Philips Dynalite Philips Dynalite	DDLE801 DDTM102 Module		(100W per channel) (460 W per channel)				2 - 10 2 - 10	97%- 3% 97%- 3%		5 -8 2 -8	94% ~ 3% 95% ~ 3%	
	55111102 module	1	1.50 When charmer	<u>I</u>		<u> </u>	2 10	21 10 3 10		2 3	J 370 2 370	
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) $\verb|#4b| Yellow cells indication: Dimming range, minimum dim level will be > 10\%, and/or maximum level will be < 80\% lightlevel will be < 80\% lig$
- #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:

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





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

							LED spot						
				CorePro LEDcapsule MV			•			Corepro I EDlinear MV			
			CorePro LEDcapsule MV G9 2.5W - 25W			Corepro LEDlinear MV R7s 118mm D 14W - 100W			Corepro LEDlinear MV R7s 118mm D 14 - 120				
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				e			9			ø			
				ing	e .	₩.	ing	,	8	ing	.E	<u>6</u>	
Dunad	Toma	Toma	Lord	Dimming Performar	Dimming Range	Glowing	Dimming Performa	Dimming Range	Glowing	Dimming Performa	Dimming	Glowing	
Brand Berker INSTA	Type 286710	Type [RC]	Load 20 ~ 360 W-Turn	3-20	96%~27%	O O	1	89%~8%	0	1	94%~21%	0	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	3-20	86%~23%		1	94%~3%		1	97%~16%		
Bticino	L4407		60 ~ 250 W		N.A.	N.A.					N.A.	N.A.	
Busch Jaeger ABB	2200 U-503	[R]	60 ~ 400 W-Turn	3-20	85%~33%		1	91%~23%		1	98%~27%		
Busch Jaeger ABB Busch Jaeger ABB	2247 U 2250 U	[RL] [R]	20 ~ 500 W-Turn 60 ~ 600 W-Turn	3-20 3-20	83%~9% 87%~6%		1	93%~3% 96%~3%		1	96%~3% 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	6523 U	[LED]	2 ~ 100 VA-LED-Turn	3-20	92%~3%		1	88%~3%		1	92%-21%		
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	3-20	97%~23%	<7				1	96%~15%		
ELKO Schneider ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL) 315W	3-20 3-20	96%~30% 95%~9%		1	88%~10% 89%~3%		1	94%~21% 93%~4%		
ELKO Schneider	SBD315RC (315 GLE) SBD420RCRL (CCTEL13011)	[RC]	420W	3-20	95%~9% N.A.	N.A.	1	93%~3%			93%~4% N.A.	N.A.	
Eltako	EVD61NPN-UC	(400W 3-wire Push Module	3-20	99%~15%					1–3	97%~7%		
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	3-20	96%~30%		1	88%~10%					
Feller Schneider	40300 (SBD315)	[RLC]	300W										
Feller Schneider GIRA	40420 (SBD420) 1176-00/01	[RLC]	420W 50 ~ 420W	3-20	96%~39%	<12				1–3	93%~25%		
GIRA	2390 00/ 100	[LED]	7 ~ 100W -Push (3wire)	3-18	91%~15%	12	1	89%~4%		1	92%~10%		
Hager	EVN 011	[RC]	300VA	3-20	98%~18%	<14				1–3	95%~16%		
Hager	EVN 012	[RC]	300W	3-20	99%~28%	<14				1–3	97%~17%		
Hager	EVN 004	[RL]	500VA	3-20	99%~28%	<15		000/ 100/		1–3	99%~18%		
Jung Jung	225 TDE 1271LEDDE	[RC]	20 ~ 525 W-Turn 3 ~ 100W -Push (3wire)	3-20 3-20	96%~33% 94%~3%		1	90%~10%		1	94%~23% 93%~9%		
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	3-10	86%~3%	< 11	'	3076-376			84%~30%		
Klik aan Klik uit	ACM 300		300W –3-wire Push LED Dimmer	3-20	33%~3%	< 10					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 Legrand	67081 67082	[RL]	40 ~ 400 W-Turn 40 ~ 600 W-Turn		N.A.	N.A.		N.A.	N.A.	1	93%~30%		
Legrand	67083	[RLC]	3~400W		N.A.	N.A.		NA.	14.74		88%~6%		
Legrand	67084	[RLC]	8-300 VA -Push LED (3wire)	3-20	97%~23%			N.A.	N.A.	1	96%~3%		
Legrand	67085 (078406)	[RLC]	8-300 VA -Push LED (3wire)	3-20	99%~4%			N.A.	N.A.	1	99%~3%		
Legrand	L4402N SBD200LED (MEG5134-0000)	[R]	60 ~ 500W	2.20	N.A.	N.A.		009/ 109/		1	87%~22%		
Merten Schneider Merten Schneider	SBD315RC (MEG5134-0000)	[RC]	4 ~ 200W(RC) 4~400W(RL) 315W	3-20 3-20	96%~30% 95%~9%		1	88%~10% 89%~3%					
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA				1	93%~3%					
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	K4501 WHILV	[RLC]	180W		N.A.	N.A.				1-3	90%~12%		
MK-Electric NIKO	K4500 WHILV 310-0280X	[RLC]	400W 2 ~ 100 VA	3-9	N.A. 98%~8%	N.A.				1–3	90%~13% 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%					
RELCO	RP0977	[LED]	4-100W							1	97%~27%		
RELCO Schneider	RMO545 SBD315RC (SBD 315, SDD 315)	[LED]	4-100W 315W	3-20	95%~9%		1	89%~3%		1	89%~10%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	3-20	95%~9%		1	89%~3%					
Schneider	SBD200 (WDE 002299)		4 ~ 400VA-Turn Universal (2wire)	3-20	96%~30%		1	88%~10%					
Schneider	SBD315RC (SBD 315)	[RC]	315W	3-20	95%~9%		1	89%~3%					
VADSBO	ED 350	[RC]	50 ~ 350W	5-20	93%~34%					1–3	99%~22%		
VADSBO VADSBO	DRS 315 DU 250	[RC]	50 ~ 315W 20 ~ 250W	3-20	N.A. 92%~14%	N.A. <21				1–3	N.A. 82%~5%	N.A. <2	
Varilight	HQ3W	[R]	60-400W	3-20	92%~14% 85%~14%	- \ZI	1	93%~3%		1-3	95%-6%		
Varilight	ICT401 M	[RC]	20-400W	3-20	85%~14%	<11				1–3	85%~2%		
Vimar	20148	[RL]	500W		N.A.	N.A.	1	94%-4%		1	95%~12%		
Vimar	14153	[R]		3-20	98%~3%	<10				1–3	96%~3%		
Vimar Vimar	20160	[RC]	40 ~ 300W	3-20	N.A. 96%~18%	N.A. <21		90%~5%		1–3	95%~6% 94%~15%	<2	
Philips Dynalite	DDLE801	[NL]	40 ~ 300W (100W per channel)	3-20	96%~18%	*21	1	90%~5% 88%~3%		1	94%~15%		
Philips Dynalite	DDTM102 Module		(460 W per channel)	3-20	97%~3%		1	91%~3%		1	99%~3%		
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