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



KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance	This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are			
х−у	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange				
	Unexpected performance behavior, not in line with good dimming perception				
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

				Master LEDexpertcolor MV D 3.9-35W GU10 CRI97			Master LEDexpertcolor MV D 5.5-50W GU10 CRI97			Mas	ster LEDspot cla MV DimTone 4.5-35W GU10		Master LEDspot classic MV DimTone 5-50W GU10			
							10 mm 20 mm			67-10						
				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand	Туре	Туре	Load			ซื			ซื			ซื			ซื	
Berker INSTA Berker INSTA	286710 283010	[RC] [R]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	2-5 (max18) 2-5 (max20)	88%~7% 93%~6%		2-5 (max9) 2-3	91%~5% 95~5%		2-18 2-18	92%~7% 93%~5%		2-13 2-15	92%~6% 94%~4%		
Bticino	L4407	0	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	2-5 (max20)	83%~17%		2-5 (max14)	94%~17%		2-18	92%~6%		2-15	96%~5%		
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	2-5 (max20)	95%~3%		2-5 (max14)	95%~3%		2-20	92%~3%		2-18	96%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	2-5 (max25)	93%~3%		2-5 (max18)	96%~3%		2-20	91%~3%		2-20	97%~3%		
Busch Jaeger ABB Busch Jaeger ABB	6513 U - 102 6523 U	[RC] [LED]	40 ~ 420 W - Turn 2 ~ 100 VA - LED - Turn	2-5 (max21) 2-5 (max25)	92%~4% 92%~4%		2-5 (max15) 2-5 (max18)	94%~6% 91%~3%		2-19 2-20	95%~6% 89%~3%		2-15 2-18	96%~6% 93%~3%		
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)	2-19	92%~3%		2-20	90%~3%		2-20	96%~4%		2-18	97%~6%		
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)	2-5 (max10)	89%~11%		2-5 (max7)	90%~8%		2-18	91%~7%		2-15	97%~4%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	2-5 (max16)	88%~3%		2-5 (max11)	91%~3%		2-14	92%~3%		T.B.D.	T.B.D.	T.B.D.	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W	2-5 (max21)	94%~3%		2-5 (max15)	96%~3%		2-19	93%~3%		T.B.D.	T.B.D.	T.B.D.	
Eltako Estlari Sabraidar	EVD61NPN-UC	(LED (DC)	400 W 3-wire Push Module	2-19	98%~3%		2-16	93%~3%		2-18	98%~3%		2-15	98%~4%	< 16	
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[LED/RC] [RLC]	4 ~ 200 W (RC) 4 ~ 400 W (RL) 300 W	2-5 (max10) 2-5 (max16)	89%~11% 88%~3%		2-5 (max7) 2-5 (max11)	90%~8% 91%~3%		2-18 2-14	91%~7% 92%~3%		2-15 T.B.D.	97%~4% T.B.D.	T.B.D.	
Feller Schneider	40420 (SBD420)	[RLC]	420 W	2-5 (maxio)	94%~3%		2-5 (max1)	96%~3%		2-19	93%~3%		T.B.D.	T.B.D.	T.B.D.	
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-19	91%~12%		2-17	92%~13%		2-19	96%~10%		2-15	95%~8%		
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	2-5 (max25)	86%~24%		2-5 (max18)	91%~25%		2-15	96%~6%		2-16	91%~4%		
Hager	EVN 011	[RC]	300 VA	2-15	96%~10%		2-12	91%~9%		2-13	98%~3%	< 12	2-11	98%~5%	< 12	
Hager	EVN 012	[RC]	300 W	2-15	96%~9%		2-12	92%~6%		2-13	98%~4%	< 12	2-11	97%~5%	< 12	
Hager Jung	EVN 004 225 TDE	[RL] [RC]	500 VA 20 ~ 525 W - Turn	2-19 2-5 (max26)	96%~10% 91%~3%		2-20 2-5 (max19)	91%~6% 93%~11%		2-20 2-20	98%~3% 92%~7%		2-18 2-16	97%~5% 93%~7%		
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-5 (max25)	89%~3%		2-5 (max19) 2-5 (max18)	92%~3%		2-20	89%~11%		2-16	91%~3%		
Klik aan Klik uit	AWMD-250	[LED]	3~24W	3-6	72%~17%		2-5	76%~18%		2-5	88%~3%			N.A.	N.A.	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	2-15	89%~3%		2-12	83%~3%		2-13	90%~3%		2-11	91%~4%		
Legrand	774161	[RL]	40 ~ 400 W - Turn	5	95%~3%			N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	78401	[RLC]	40 ~ 500W	2-19	91%~3%		2-16	88%~3%		2-18	78%~3%	< 3	2-15	95%~3%	< 3	
Legrand Legrand	67081 67082	[RL] [RL]	40 ~ 400 W - Turn 40 ~ 600 W - Turn	3-5 (max20) 5	93%~3% 95%~5%		2-5 (max14) 3-5 (max14)	96%~3% 96%~3%			N.A. N.A.	N.A. N.A.		N.A. N.A.	N.A.	
Legrand	67083	[RLC]	3~400W	3-4	86%~3%		2-3	80%~3%		2-3	90%~1%	N.A.		N.A.	N.A.	
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-5 (max15)	93%~3%		2-5 (max10)	93%~3%		2-18	94%~4%			N.A.	N.A.	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-5 (max15)	97%~3%		2-5 (max10)	98%~3%			N.A.	N.A.	2-11	98%~3%		
Legrand	L4402N	[R]	60 ~ 500 W	3-19	86%~11%		2-20	81%~13%		10-20	88%~4%		5-18	88%~7%		
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	2-5 (max10)	89%~11%		2-5 (max7)	90%~8%		2-18	91%~7%		2-15	97%~4%	TDD	
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC] [RLC]	315 W 20 ~ 420 VA	2-5 (max16) 2-5 (max21)	88%~3% 94%~3%		2-5 (max11) 2-5 (max15)	91%~3% 96%~3%		2-14 2-19	92%~3% 93%~3%		T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-5 (max21)	71%~3%		2-5 (max15)	80%~4%		2-20	83%~4%		2-16	84%~5%	1.0.0.	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-5 (max25)	77%~3%		2-5 (max18)	87%~3%		2-20	88%~4%		2-16	89%~5%		
MK - Electric	K4501 WHILV	[RLC]	180 W	2-11	84%~3%		2-9	80%~3%		2-10	90%~2%		2-9	90%~4%		
MK - Electric	K4500 WHILV	[RLC]	400 W	2-16	86%~3%		2-13	80%~3%		2-14	89%~2%		2-15	89%~4%		
NIKO PEHA	310-0280X 431HAN	[LED] [RL]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	2-5 2-6	96%~3% 80%~3%		2-4 2-5	91%~3% 80%~3%		2-4 2-5	97%~3% 90%~3%		2-4 2-4	99%~2% 88%~3%		
PEHA Philips	UID8670	[RL]	2 ~ 100 VA-LED - Push (3wire)	2-6 2-5 (max25)	80%~3% 92%~4%		2-5 2-5 (max18)	91%~3%		2-5	90%~3% 89%~3%		2-4 2-18	88%~3% 93%~3%		
RELCO	RP0977	[LED]	4 - 100W	2-5 (max25)	96%~16%		2-3 (maxio) 2-4	93%~15%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
RELCO	RM0545	[LED]	4 - 100W	2-5	88%~3%		2-4	82%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	2-5 (max16)	88%~3%		2-5 (max11)	91%~3%		2-14	92%~3%		T.B.D.	T.B.D.	T.B.D.	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	2-5 (max16)	88%~3%		2-5 (max11)	91%~3%		2-14	92%~3%		T.B.D.	T.B.D.	T.B.D.	
Schneider Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[] [RC]	4 ~ 400 VA - Turn Universal (2wire) 315 W	2-5 (max10) 2-5 (max16)	89%~11% 88%~3%		2-5 (max7) 2-5 (max11)	90%~8% 91%~3%		2-18 2-14	91%~7% 92%~3%		2-15 2-11	97%~4% 92%~3%		
VADSBO	ED 350	[RC]	50 ~ 350 W	2-5 (maxib) 2-18	88%~3%		2-5 (maxii) 2-14	91%~3% 82%~11%		2-14	92%~3% 92%~6%		2-11	92%~3% 91%~8%		
VADSBO	DRS 315	[RC]	50 ~ 315 W	2-16	92%~5%		2-13	86%~3%		8-14	95%~4%	< 15	3-11	93%~6%	< 12	
VADSBO	DU 250	[RC]	20 ~ 250 W	2-13	70%~3%		2-10	68%~3%		2-11	89%~3%	< 12	2-9	85%~3%	< 10	
Varilight	HQ3W	[R]	60 - 400 W	2-5 (max20)	91%~3%		2-5 (max14)	92%~3%		3-18	91%~3%		2-15	96%~3%		
Varilight	ICT401 M	[RC]	20 - 400 W	2-19	75%~3%		2-16	83%~3%		2-18	95%~1%		2-15	93%~2%		
Vimar Vimar	20148 14153	[RL] [R]	500 W	2-5 (max25) 2-19	93%~3% 99%~3%	< 6	2-5 (max18) 2-20	94%~3% 95%~3%	< 5	2-20 2-20	93%~4% 98%~3%	< 4	2-16 2-18	95%~4% 99%~3%	< 17	
Vimar	20160	[RC]		2-19	99%~3% 90%~3%		2-20	95%~3% 87%~3%		2-20	98%~3% 94%~1%	< 14	2-18	99%~3% 96%~3%	< 17	
Vimar	20162	[RL]	40 ~ 300 W	2-5 (max15)	91%~3%	< 6	2-5 (max10)	90%~3%	< 6	2-13	91%~3%	< 10	2-11	90%~4%	< 12	
Dynalite	DDLE801		(100 W per channel)	2-5	79%~3%		2-5	90%~3%		T.B.D.	T.B.D.	T.B.D.	5-16	92%~3%		
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	2-5 (max20)	87%~3%		2-5 (max16)	90%~3%		T.B.D.	T.B.D.	T.B.D.	2-16	92%~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.
- 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. #3)
- #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
- #4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
- #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
 - Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers



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



Master LEDspot VLE

DimTon

D 4.9-50W GU10 CRI90

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance				
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	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 LEDspot MV

4.4-50W GU10

(Alexandra)

LED spot

Classic LEDspot MV 5.5-50W GU10

(Alexandra)

Master LEDspot VLE

DimTone

D 3.7-35W GU10 CRI90

					17 - 73					No.			N T		
	1	1	1	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Brand	Туре	Туре	Load			U			U			U			U
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2-20	91%~25%		2-15	85%~19%		2-8 (max 19)	94%~8%		2-8 (max 14)	92%~3%	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2-20	95%~24%	NL A	2-15	88%~19%	NLA	2-8 (max 21)	87%~3%	NI A	2-8 (max 16)	93%~3%	NL A
Bticino	L4407	[]	60 ~ 250 W	2,10	N.A. 93%~19%	N.A.	2-15	N.A.	N.A.	2-8 (max 21)	N.A.	N.A.	2-8 (max 16)	N.A. 92%~3%	N.A.
Busch Jaeger ABB	2200 U - 503 2247 U	[R]	60 ~ 400 W - Turn 20 ~ 500 W - Turn	2-18 2-20	93%~19%		2-15	89%~17% 97%~6%		2-8 (max 21) 2-8 (max 21)	86%~4% 86%~3%		2-8 (max 16) 2-8 (max 16)	92%~3%	
Busch Jaeger ABB	2247 0 2250 U	[RL] [R]	60 ~ 600 W - Turn	2-20	96%~7%		2-18	98%~4%		2-8 (max 21) 2-8 (max 27)	89%~3%		2-8 (max 10) 2-8 (max 20)	94%~3%	
Busch Jaeger ABB Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2-20	94%~23%		2-15	87%~20%		2-8 (max 27)	86%~4%		2-8 (max 20) 2-8 (max 17)	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 17)	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)		4 ~ 200W (RC) 4 ~ 400W (RL)	2-20	92%~29%		2-15	85%~23%		2 20	N.A.	N.A.	2-8	92%~3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	2-14	91%~6%		2-13	91%~5%		3-8 (max 17)	95%~3%	N.A.	2-8 (max 12)	92%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W	2-19	94%~14%		2-15	97%~13%		5 C (max my	N.A.	N.A.	3-8 (max 17)	95%~3%	
Eltako	EVD61NPN-UC	[1.20]	400 W 3-wire Push Module	2-19	94%~14%	< 19	2-15	99%~14%	< 16	2-20	94%~10%	11.74.	2-16	96%~3%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	400 W 3-Wire Push Module 4 ~ 200 W (RC) 4 ~ 400 W (RL)	2-14	99%~15%		2-15	85%~23%	10	2-20	94%~10% N.A.	N.A.	2-16	90%~3%	
Feller Schneider	40300 (SBD315)	[RLC]	4~200 W (RC) 4~400 W (RL)	2-20	92%~29%		2-15	91%~5%		3-8 (max 17)	N.A. 95%~3%	TN.74.	2-8 2-8 (max 12)	92%~3%	
	40420 (SBD420)		420 W	2-14	91%~0%		2-11	97%~13%		3-8 (max 17)	93%~3% N.A.	N.A.	3-8 (max 12)	92%~3%	
Feller Schneider GIRA		[RLC]			94%~36%		2-15	95%~32%		2-20	94%~11%	IN.A.	2-17	94%~9%	
	1176-00/01	[RLC]	50 ~ 420 W	2-19											
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - 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]	300 VA	2-14	97%~19%	< 6	2-11	97%~16%	< 12	2-16	98%~8%		2-12	94%~7%	
Hager	EVN 012	[RC]	300 W	2-14	98%~19%	< 5	2-11	97%~16%	< 12	2-16	98%~8%		2-12	94%~7%	
Hager	EVN 004	[RL]	500 VA	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	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-20	93%~37%		2-20	88%~35%		2-8 (max 27)	91%~3%		2-8 (max 20)	91%~3%	
Klik aan Klik uit	AWMD-250	[LED]	3~24W	2-5	88%~3%		2-4	87%~37%		2-6	84%~11%		2-5	80%~11%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	2-14	93%~3%			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	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)		N.A.	N.A.	2-11	99%~3%		2-8 (max 16)	99%~3%		2-8 (max 12)	95%~3%	
Legrand	L4402N	[R]	60 ~ 500 W	8-20	91%~30%		3-18	86%~28%		3-20	87%~10%		2-20	84%~8%	
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200 W (RC) 4 ~ 400 W (RL)	2-20	92%~29%		2-15	85%~23%			N.A.	N.A.	2-8	92%~3%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	2-14	91%~6%		2-11	91%~5%		3-8 (max 17)	95%~3%		2-8 (max 12)	92%~3%	
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]	180 W	3-10	89%~19%		2-8	90%~19%		2-12	86%~4%		2-9	86%~4%	
MK - Electric	K4500 WHILV	[RLC]	400 W	3-15	90%~20%		2-15	88%~19%		2-20	86%~5%		2-13	86%~4%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	2-5	97%~8%		2-4	97%~7%		2-5	99%~3%		2-4	95%~3%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	2-5	89%~10%		2-4	87%~10%		2-6	85%~3%		2-5	84%~3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	90%~3%		2-20	93%~17%		2-8 (max 27)	89%~3%		2-8 (max 20)	89%~3%	
RELCO	RP0977	[LED]	4 - 100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-5	99%~13%		2-4	75%~11%	
RELCO	RM0545	[LED]	4 - 100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-5	90%~10%		2-4	87%~4%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	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]	315 W	2-14	91%~6%		2-11	91%~5%		3-8 (max 17)	95%~3%		2-8 (max 12)	92%~3%	
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	2-20	92%~29%		2-15	85%~23%			N.A.	N.A.	2-8	92%~3%	
Schneider	SBD315RC (SBD 315)	[RC]	315 W	2-14	91%~6%		2-11	91%~5%		3-8 (max 17)	95%~3%		2-8 (max 12)	92%~3%	
VADSBO	ED 350	[RC]	50 ~ 350 W	2-16	93%~34%		2-13	88%~29%		2-20	88%~10%		2-14	85%~8%	
VADSBO	DRS 315	[RC]	50 ~ 315 W	8-14	95%~24%	< 15	3-11	97%~21%	< 12	3-17	93%~6%		2-13	90%~5%	
VADSBO	DU 250	[RC]	20 ~ 250 W	2-11	89%~11%	< 12	2-9	89%~9%	< 10	2-14	84%~3%	< 15	2-10	77%~3%	< 11
Varilight	HQ3W	[R]	60 - 400 W	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 - 400 W	2-18	94%~10%		2-15	92%~7%		2-20	84%~3%		2-16	79%~3%	
Vimar	20148	[RL]	500 W	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]		2-14	94%~13%	< 15	2-18	94%~12%	< 19	2-20	86%~5%		2-12	89%~3%	< 13
Vimar	20162	[RL]	40 ~ 300 W	3-13	93%~14%		2-11	84%~11%	< 4	2-8 (max 16)	94%~4%	< 8	2-8 (max 12)	92%~3%	< 9
Dynalite	DDLE801		(100 W per channel)	T.B.D.	T.B.D.	T.B.D.	2-18	88%~9%		2-8	90%~3%		2-8	89%~3%	
Dynalite															

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)
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- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
- #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
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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	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	 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

				Master LEDspot VLE Dim D 3.7-35W GU10 CR190				nster LEDspot V Dim 9 4.9-50W GU10 CRI90			er LEDspot MV 3.5-35W GU10	Value	Master LEDspot MV Value 5-50W GU10			
					91-70			THE REPORT OF TH					X			
Brand	Tree	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Berker INSTA	Type 286710	Type [RC]	20 ~ 360 W-Turn	2-5 (max 19)	96%~31%	U	2-5 (max 14)	93%~26%	U	2-21	92%~22%	U	2-10	90%~20%	U	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	2-5 (max 13)	88%~16%		2-5 (max 14)	98%~23%		2-23	95%~14%		2-10	94%~8%		
Bticino	L4407	0	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	3-5 (max 21)	88%~31%		2-5 (max 16)	92%~34%		2-23	95%~17%	< 2	2-10	94%~16%	< 2	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	2-5 (max 21)	87%~6%		2-5 (max 16)	95%~9%		2-29	95%~3%		2-10	92%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	2-5 (max 27)	91%~4%		2-5 (max 20)	98%~5%		2-34	95%~3%		2-10	92%~3%		
Busch Jaeger ABB	6513 U-102	[RC]	40 ~ 420 W-Turn	2-5 (max 22)	98%~23%		2-5 (max 17)	96%~21%		2-24	96%~22%		2-10	96%~20%		
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED-Turn	2-5 (max 27)	90%~3%		2-5 (max 20)	93%~3%		2-20	90%~3%		2-10	92%~3%		
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	2-20	89%~29%		
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)		N.A.	N.A.	2-5	93%~28%		2-23	91%~23%		2-10	88%~20%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	3-5 (max 17)	96%~9%		2-5 (max 12)	94%~7%		2-18	94%~5%		2-10	88%~3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W		N.A.	N.A.	2-5 (max 17)	97%~15%			N.A.	N.A.		N.A.	N.A.	
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	2-20	98%~11%		2-16	99%~10%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)		N.A.	N.A.	2-5	93%~28%		2-23	91%~23%		2-10	88%~20%		
Feller Schneider	40300 (SBD315)	[RLC]	300 W	3-5 (max 17)	96%~9%		2-5 (max 12)	94%~7%		2-18	94%~5%		2-10	88%~3%		
Feller Schneider	40420 (SBD420)	[RLC]	420 W		N.A.	N.A.	2-5 (max 17)	97%~15%			N.A.	N.A.		N.A.	N.A.	
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-20	90%~29%	< 9	2-17	93%~27%		2-20	96%~31%		2-20	94%~27%		
GIRA	2390 00/ 100	[LED]	7 ~ 100 W-Push (3wire)	3-8 (max 27)	91%~15%	< 3	2-5 (max 20)	91%~14%		2-29	91%~10%	< 2	2-10	92%~8%		
Hager	EVN 011	[RC]	300 VA	2-16	96%~22%	< 10	2-12	98%~21%		2-17	96%~13%	< 3	2-14	98%~13%	< 2	
Hager	EVN 012	[RC]	300 W	2-16	96%~22%	< 11	2-12	97%~21%		2-17	98%~13%	< 3	2-14	98%~13%	< 7	
Hager	EVN 004	[RL]	500 VA	2-20	95%~22%	< 11	2-20	99%~21%		2-20	98%~16%	< 19	2-20	98%~13%	< 8	
Jung	225 TDE	[RC]	20 ~ 525 W-Turn	2-5 (max 28)	94%~33%		2-5 (max 21)	93%~28%		2-30	94%~25%		2-10	92%~24%		
Jung	1271LEDDE	[LED]	3 ~ 100W-Push (3wire)	2-5 (max 27)	89%~13%		2-5 (max 20)	93%~13%		2-29	91%~38%	< 2	2-10	92%~36%		
Klik aan Klik uit	AWMD-250	[LED]	3~24W		82%~30%	<7	2-5	84%~32%		2-7	84%~29%	< 3	2-6	81%~28%	< 7	
Klik aan Klik uit	ACM 300	(0))	300W-3-wire Push LED Dimmer		89%~14%	<7		90%~14%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Legrand	774161	[RL]	40 ~ 400 W-Turn	2.20	N.A.	N.A.	2.16	N.A.	N.A.	2.20	N.A.	N.A.	3-10	92%~8%	< 4	
Legrand	78401 67081	[RLC] [RL]	40 ~ 500W 40 ~ 400 W-Turn	2-20	91%~14% N.A.	N.A.	2-16	93%~11% N.A.	<3 N.A.	2-20	93%~13% N.A.	< 5 N.A.	2-19 3-10	93%~13%		
Legrand	67082	[RL]	40 ~ 600 W-Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-10	96%~16% N.A.	N.A.	
Legrand Legrand	67083	[RLC]	3 ~ 400W		83%~11%	N.A.		96%~10%	N.A.		N.A.	N.A.		89%~10%	11.25.	
Legrand	67084	[RLC]	8-300 VA -Push LED (3wire)	2-5 (max 16)		<5	2-5 (max 12)	95%~18%	<3	2-23	90%~6%	< 4	2-10	88%~3%	< 5	
Legrand	67085 (078406)	[RLC]	8-300 VA -Push LED (3wire)	2-5 (max 16)	97%~3%		2-5 (max 12)	98%~3%		2-17	97%~3%		2-10	96%~3%		
Legrand	L4402N	[R]	60 ~ 500 W	5-20	88%~28%		2-20	93%~28%		10-20	84%~24%		5-20	83%~25%		
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200 W (RC) 4 ~ 400 W (RL)		N.A.	N.A.	2-5	93%~28%		2-23	91%~23%		2-10	88%~20%		
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	3-5 (max 17)	96%~9%		2-5 (max 12)	94%~7%		2-18	94%~5%		2-10	88%~3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.	2-5 (max 17)	97%~15%			N.A.	N.A.		N.A.	N.A.	
MK-Electric	K1535	[R]	65 ~ 450 W-Turn	2-8 (max 24)	71%~15%		2-8 (max 18)	85%~19%		2-26	83%~12%		2-10	80%~14%		
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	2-8 (max 27)	79%~17%		2-8 (max 20)	91%~18%		2-10	88%~14%		2-10	86%~14%		
MK-Electric	K4501 WHILV	[RLC]	180 W	2-12	85%~15%		2-9	86%~15%		3-13	87%~13%		2-10	85%~13%		
MK-Electric	K4500 WHILV	[RLC]	400 W	2-17	87%~15%		2-13	87%~15%			87%~13%		2-15	85%~13%		
NIKO	310-0280X	[LED]	2 ~ 100 VA	2-5	96%~6%		2-4	96%~5%		2-6	98%~24%		2-5	97%~23%		
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	2-6	84%~6%		2-5	86%~7%		2-7	87%~31%		2-6	85%~29%		
Philips	UID8670	[LED]	2~100 VA-LED-Push (3wire)	2-5 (max 27)	90%~3%		2-5 (max 20)	93%~3%		2-20	90%~3%		2-10	92%~3%		
RELCO	RP0977	[LED]	4-100W	2-5	97%~32%		2-4	97%~29%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
RELCO	RM0545	[LED]	4-100W	2-5	88%~15%		2-4	89%~14%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	3-5 (max 17)	96%~9%		2-5 (max 12)	94%~7%		2-18	94%~5%		2-10	88%~3%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	3-5 (max 17)	96%~9%		2-5 (max 12)	94%~7%		2-18	94%~5%		2-10	88%~3%		
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA-Turn Universal (2wire)		N.A.	N.A.	2-5	93%~28%		2-23	91%~23%		2-10	88%~20%		
Schneider	SBD315RC (SBD 315)	[RC]	315 W	3-5 (max 17)	96%~9%		2-5 (max 12)	94%~7%		2-18	94%~5%		2-10	88%~3%		
VADSBO	ED 350	[RC]	50 ~ 350 W	2-19	89%~29%		2-14	87%~25%		2-20	91%~29%		2-15	88%~27%		
VADSBO	DRS 315	[RC]	50 ~ 315 W	3-17	92%~18%	< 18	2-13	93%~17%	< 14	10-18	93%~20%		2-15	93%~17%	< 11	
VADSBO	DU 250	[RC]	20 ~ 250 W	3-14	83%~9%	< 15	2-10	83%~7%	< 11	2-14	89%~20%		2-12	83%~8%	< 11	
Varilight	HO3W	[D]	60-400 W	2=5 (may 21)	84%-8%		2 = 5 (max 16)	97%-11%		2-23	97%-8%		2-10	97%-6%		

Varilight	HQ3W	[R]	60-400 W	2-5 (max 21)	84%~8%		2-5 (max 16)	97%~11%		2-23	92%~8%		2-10	92%~6%	
Varilight	ICT401 M	[RC]	20-400 W	2-20	83%~3%	< 7	2-16	84%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Vimar	20148	[RL]	500 W	3-8 (max 27)	85%~17%	< 6	3-5 (max 20)	95%~17%	< 6	2-29	95%~16%	< 30	3-10	92%~8%	< 11
Vimar	14153	[R]			97%~4%		< 6	99%~3%			98%~3%		2-20	98%~3%	
Vimar	20160	[RC]		3-16	91%~11%	< 17	2-12	96%~9%	< 13	2-17	91%~9%		2-14	92%~8%	< 11
Vimar	20162	[RL]	40 ~ 300 W	3-8 (max 16)	92%~25%	< 6	2-5 (max 12)	94%~18%	< 6	2-17	91%~13%	< 18	2-10	88%~8%	< 11
Dynalite	DDLE801		(100 W per channel)	2-8	88%~8%		2-8	93%~9%		2-20	91%~9%		2-20	88%~8%	
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	2-8 (max 24)	92%~3%		2-8 (max 18)	95%~5%		2-20	93%~4%		2-20	97%~4%	

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.
- 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. #3)
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Recommended **dimmer** compatibility list for **Mains Voltage** Lamps



KEY

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	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												
				Master LEDspot MV Master LEDspot MV 4-35W GU10 CRI90 5.4-50W GU10 CRI90							epro LEDspot -35W GU10 Dir		Corepro LEDspot MV 5-50W GU10 Dim			
					Ŷ			Ŷ								
											NEW			NEW		
		1		Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand Berker INSTA	Туре 286710	Type [RC]	Load 20 ~ 360 W-Turn	2-18	ت ت 91%~3%	ט	2-13	<u>б</u> й 93%~3%	ט	2-8	ت ت 94%- 8%	ច	2-8	تة بخ 92%- 3%	σ	
Berker INSTA	283010	[R]	60 ~ 400 W-Turn	2-18	93%~3%		2-15	95%~3%		2-8	94%- 8% 87%- 3%		2-8	93%- 3%		
Bticino	L4407	0	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	2-20	92%~3%		2-15	97%~3%		2-8	86%- 4%		2-8	92%- 3%		
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W-Turn	2-25	93%~3%		2-19	97%~3%		2-8	86%- 3%		2-8	94%- 3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W-Turn	2-30	95%~3%		2-22	98%~3%		2-8	89%- 3%		2-8	94%- 3%		
Busch Jaeger ABB Busch Jaeger ABB	6513 U-102 6523 U	[RC] [LED]	40 ~ 420 W-Turn 2 ~ 100 VA-LED-Turn	2-21 2-20	94%~3% 90%~3%		2-19	N.A. 92%~3%		2-8 2-8	96%- 4% 89%- 3%		2-8 2-8	94%- 3% 89%- 3%		
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED-Push (2wire)	2-20	89%~3%		2-19	88%~9%		2-20	93%- 3%		2-20	94%- 3%		
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)	2-20	90%~3%		2-15	93%~3%			N.A.	N.A.	2-8	92%- 3%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	2-16	90%~3%		2-12	89%~3%		3- 8	95%- 3%		2-8	92%- 3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-8	95%- 3%		
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400 W 3-wire Push Module 4 ~ 200 W (RC) 4 ~ 400 W (RL)	T.B.D. 2-20	T.B.D. 90%~3%	T.B.D.	T.B.D. 2-15	T.B.D. 93%~3%	T.B.D.	2-20	99%- 3% N.A.	N.A.	2-16 2-8	99%- 3% 92%- 3%		
Feller Schneider	40300 (SBD315)	[RLC]	4~200 W (RC) 4~400 W (RL)	2-20	90%~3%		2-15	93%~3% 89%~3%		3- 8	N.A. 95%- 3%	IN.A.	2-8	92%- 3%		
Feller Schneider	40420 (SBD420)	[RLC]	420 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-8	95%- 3%		
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-20	93%~3%		2-16	91%~3%		2-20	93%- 3%		2-16	94%- 3%		
GIRA	2390 00/ 100	[LED]	7 ~ 100 W-Push (3wire)	2-25	90%~3%		2-19	94%~3%		2-8	91%- 3%		T.B.D.	T.B.D.	T.B.D.	
Hager	EVN 011	[RC]	300 VA	2-15	93%~3%		2-11	97%~3%		2-17	98%- 5%		2-12	99%- 3%		
Hager	EVN 012 EVN 004	[RC] [RL]	300 W 500 VA	2-15 2-20	93%~3% 93%~3%		2-11 2-19	97%~3% 97%~3%		2-17 2-17	98%- 5% 98%- 5%		2-12 2-20	99%- 3% 97%- 3%		
Hager Jung	225 TDE	[RC]	20 ~ 525 W-Turn	2-20	93%~3%		2-19	97%~3%		2-17	98%- 5% 96%- 8%		2-20	97%- 3% 91%- 3%		
Jung	1271LEDDE	[LED]	3 ~ 100W-Push (3wire)	2-25	90%~3%		2-19	95%~18%		2-8	91%- 3%		2-8	91%- 3%		
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	2-6	86%~3%		2-4	85%~3%		2-7	83%- 7%	<3	2-5	78%- 3%		
Klik aan Klik uit	ACM 300		300W-3-wire Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-17	80%- 3%		2-12	89%- 3%		
Legrand	774161	[RL]	40 ~ 400 W-Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2-8	94%- 3%		
Legrand Legrand	78401 67081	[RLC] [RL]	40 ~ 500W 40 ~ 400 W-Turn	2-20	89%~3% N.A.	N.A.	2-15	91%~3% N.A.	N.A.	2-20	95%- 3% N.A.	N.A.	2-16 3-8	94%- 3% 95%- 3%		
Legrand	67082	[RL]	40 ~ 600 W-Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-8	94%- 3%		
Legrand	67083	[RLC]	3~400W		89%~3%			89%~3%		2-20	84%- 3%		2-16	81%- 3%		
Legrand	67084	[RLC]	8-300 VA -Push LED (3wire)		N.A.	N.A.		N.A.	N.A.	2-8	96%- 4%	<3	2-8	93%- 3%		
Legrand	67085 (078406)	[RLC]	8-300 VA -Push LED (3wire)	2-15	98%~3%			N.A.		2-8	99%- 3%		2-8	95%- 3%		
Legrand	L4402N	[R]	60 ~ 500 W	4-20	82%~3%			85%~3%			N.A.	N.A.	3-20	78%- 3%		
Merten Schneider Merten Schneider	SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL) 315 W	2-20 2-16	90%~3% 90%~3%		2-15 2-12	93%~3% 89%~3%		3- 8	N.A. 95%- 3%	N.A.	2- 8 2- 8	92%- 3% 92%- 3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RC] [RLC]	20 ~ 420 VA	2=10	90%~3% N.A.	N.A.	2-12	N.A.	N.A.	3- 0	95%- 5% N.A.	N.A.	3-8	92%- 3%		
MK-Electric	K1535	[R]	65 ~ 450 W-Turn	2-23	80%~3%		2-17	83%~3%			N.A.	N.A.	2-8	70%- 3%		
MK-Electric	K1501 WHILV	[R]	60 ~ 500 W-Turn	2-25	86%~3%		2-19	90%~3%		2-8	80%- 3%		2-8	87%- 3%		
MK-Electric	K4501 WHILV	[RLC]	180 W	2-11	86%~3%		2-18	85%~3%		2-13	78%- 3%		2-9	86%- 3%		
MK-Electric	K4500 WHILV	[RLC]	400 W	2-16	86%~3%		2-12	85%~3%		2-20	77%- 3%		2-16	83%- 3%		
NIKO PEHA	310-0280X 431HAN	[LED] [RL]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	2-5 2-10	89%~3% 82%~3%		2-5 2-4	97%~3% 88%~6%		2-6 2-3	98%- 3% 76%- 3%		2-4 2-5	97%- 3% 81%- 3%		
PEHA	UID8670	[RL]	2 ~ 100 VA-LED-Push (3wire)	2-10	82%~3% 90%~3%		2-4	92%~3%		2-3	76%- 3% 89%- 3%		2-5	81%- 3%		
RELCO	RP0977	[LED]	4-100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-6	97%- 9%		2-4	97%- 6%		
RELCO	RM0545	[LED]	4-100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-6	94%- 3%		2-4	92%- 3%		
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	2-16	90%~3%		2-12	89%~3%		3-8	95%- 3%		2-8	92%- 3%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	2-16	90%~3%		2-12	89%~3%		3- 8	95%- 3%		2-8	92%- 3%		
Schneider Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[] [RC]	4 ~ 400 VA-Turn Universal (2wire) 315 W	2-20 2-16	90%~3% 90%~3%		2-15 2-12	93%~3% 89%~3%		3- 8	N.A. 95%- 3%	N.A.	2- 8 2- 8	92%- 3% 92%- 3%		
VADSBO	ED 350	[RC]	50 ~ 350 W	2-18	90%~3% 86%~3%		2-12	89%~3%		3- 8 2-20	95%- 3% 90%- 7%		2- 8 2- 14	92%- 3% 88%- 4%		
VADSBO	DRS 315	[RC]	50 ~ 315 W	6-16	93%~3%		2-12	94%~3%			N.A.	N.A.	2-13	93%- 3%		
	010000			2-13	86%~3%		2-9	85%~3%		2-14	91%- 3%		2-10	80%- 3%	<11	
VADSBO	DU 250	[RC]	20 ~ 250 W	2-15			23							00% 5%		
Varilight	DU 250 HQ3W	[RC] [R]	60-400 W	2-20	92%~3%		2-15	97%~3%		2-8	85%- 3%		2-8	93%- 3%		
Varilight Varilight	DU 250 HQ3W ICT401 M	[RC] [R] [RC]	60-400 W 20-400 W	2-20 T.B.D.	92%~3% T.B.D.	T.B.D.	<mark>2-15</mark> T.B.D.	97%~3% T.B.D.	T.B.D.	2-20	85%- 3% 84%- 3%		2-8 2-16	93%- 3% 86%- 3%		
Varilight Varilight Vimar	DU 250 HQ3W ICT401 M 20148	[RC] [R] [RC] [RL]	60-400 W	2-20 T.B.D. 3-25	92%~3% T.B.D. 93%~3%	T.B.D.	2-15 T.B.D. 2-19	97%-3% T.B.D. 94%-3%	T.B.D.	2-20 2-8	85%- 3% 84%- 3% 87%- 3%	<9	2-8 2-16 3-8	93%- 3% 86%- 3% 92%- 3%	<9	
Varilight Varilight Vimar Vimar	DU 250 HQ3W ICT401 M 20148 14153	[RC] [R] [RC] [RL] [R]	60-400 W 20-400 W	2-20 T.B.D. 3-25 2-20	92%3% T.B.D. 93%3% 93%3%	T.B.D.	2-15 T.B.D. 2-19 2-19	97%~3% T.B.D. 94%~3% 97%~3%	T.B.D.	2-20 2-8 2-8	85%- 3% 84%- 3% 87%- 3% 97%- 3%		2-8 2-16 3-8 2-20	93%- 3% 86%- 3% 92%- 3% 94%- 3%	<9	
Varilight Varilight Vimar	DU 250 HQ3W ICT401 M 20148	[RC] [R] [RC] [RL]	60-400 W 20-400 W	2-20 T.B.D. 3-25	92%~3% T.B.D. 93%~3%	T.B.D.	2-15 T.B.D. 2-19	97%-3% T.B.D. 94%-3%	T.B.D.	2-20 2-8	85%- 3% 84%- 3% 87%- 3%	<9 <9 <9 <9 <9	2-8 2-16 3-8	93%- 3% 86%- 3% 92%- 3%		
Varilight Varilight Vimar Vimar Vimar	DU 250 HQ3W ICT401 M 20148 14153 20160	[RC] [R] [RC] [RL] [R] [RC]	60-400 W 20-400 W 500 W	2-20 T.B.D. 3-25 2-20 2-15	92%3% T.B.D. 93%3% 93%3% 89%3%	T.B.D.	2-15 T.B.D. 2-19 2-19 2-11	97%~3% T.B.D. 94%~3% 97%~3% 94%~3%	T.B.D.	2-20 2-8 2-8 2-20	85%- 3% 84%- 3% 87%- 3% 97%- 3% 83%- 3%	<9	2-8 2-16 3-8 2-20 3-20	93%- 3% 86%- 3% 92%- 3% 94%- 3% 94%- 3%	<9 <14	

Note :

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips 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 with the indicated dimmer will be somewhere between 10%-30%
- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
- #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
 - Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers



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



KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance				
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are			
	Unexpected performance behavior, not in line with good dimming perception				
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

				Master LEDspot MV 5.5W-50W PAR20			Master LEDspot Classic D 6 - 50W PAR20				aster LEDspot M .5W-75W PAR3C		Master LEDspot MV 9.5W-90W PAR30S			
					Y											
				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Manu Birmming Range Glowing		Dimming Performance Dimming Range Glowing		Glowing	Dimming Performance	Dimming Range	Glowing	
	Туре	Туре	Load			Glo			Gle		öä	g			ë	
	286710	[RC]	20 ~ 360 W - Turn	3-13 3-15	86%~3% 88%~3%		1 - 10	91%-12%		1-8	92%~9%		1-5	91%~11%		
	283010 L4407	[R] []	60 ~ 400 W - Turn 60 ~ 250 W	T.B.D.	T.B.D.	T.B.D.	1 - 5	93%-6% N.A.	N.A.	1-9	95%~10% N.A.	N.A.	1-5	93%~9% N.A.	N.A.	
	2200 U - 503	[R]	60 ~ 400 W - Turn	3-15	90%~10%	1.0.0.	1 - 10	93%-6%		2-5	95%~18%		1-5	93%~14%		
	2247 U	[RL]	20 ~ 500 W - Turn	3-18	89%~3%		1 - 14	92%-3%		1-12	94%~3%		1-5	93%~3%		
Busch Jaeger ABB 2	2250 U	[R]	60 ~ 600 W - Turn	3-22	90%~3%		1 - 8	95%-3%		1-10	98%~3%		1-5	94%~3%		
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	3-15	92%~3%		1 - 15	92%-12%		1-10	94%~8%		1-5	93%~10%		
	6523 U	[LED]	2 ~ 100 VA - LED - Turn	3-18	85%~3%		1 - 14	93%-3%		1-20	95%~3%		1-5	93%~3%		
	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)	T.B.D.	T.B.D.	T.B.D.	1 - 17	94%-10%		2-12	95%~9%		1-5	96%~9%		
	SBD200LED (CCTEL10501)		4 ~ 200W (RC) 4 ~ 400W (RL)	3-15	88%~3%		1 - 10	92%-14%		1-9	93%~12%		1-5	92%~13%		
	SBD315RC (315 GLE) SBD420RCRL (CCTEL13011)	[RC] [RLC]	315 W 420 W	3-11 3-15	90%~3% 90%~3%		1 - 9 1 - 12	92%-4% 94%-7%		1-7 1-10	92%~3% 94%~4%		1-5 1-5	93%~3% 99%~5%		
	EVD61NPN-UC	[KLC]	400 W 3-wire Push Module	T.B.D.	T.B.D.	T.B.D.	1 - 12	94%-7%		2-9	94%~4% 98%~4%		T.B.D.	T.B.D.	T.B.D.	
	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	3-15	88%~3%	1.0.0.	1 - 10	92%-14%		1-9	93%~12%		1-5	92%~13%	1.0.0.	
	40300 (SBD315)	[RLC]	300 W	3-11	90%~3%		1-9	92%-4%		1-7	92%~3%		1-5	93%~3%		
Feller Schneider	40420 (SBD420)	[RLC]	420 W	3-15	90%~3%		1 - 12	94%-7%		1-10	94%~4%		1-5	99%~5%		
GIRA 1	1176-00/01	[RLC]	50 ~ 420 W	T.B.D.	T.B.D.	T.B.D.	1 - 14	96%-17%		2-10	95%~15%		1-5	92%~15%		
GIRA 2	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	3-18	90%~21%		1 - 10	93%-3%		1-12	95%~3%		1-5	90%~24%		
	EVN 011	[RC]	300 VA	T.B.D.	T.B.D.	T.B.D.	1 - 10	98%-8%		2-7	97%~6%		1-5	92%~6%		
	EVN 012	[RC]	300 W	T.B.D.	T.B.D.	T.B.D.	1 - 10	98%-13%		2-7	96%~6%		1-5	92%~10%		
	EVN 004	[RL]	500 VA	T.B.D.	T.B.D.	T.B.D.	1 - 17	98%-14%		2-12	97%~6%		1-5	93%~12%		
	225 TDE 1271LEDDE	[RC] [LED]	20 ~ 525 W - Turn 3 ~ 100W - Push (3wire)	3-19 3-18	85%~3% 90%~21%		1 - 15 1 - 10	98%-13% 92%-3%		2-12 1-12	93%~11% 95%~3%		1-5 1-5	92%~11% 93%~3%		
	AWMD-250		3 ~ 24W	T.B.D.	T.B.D.	T.B.D.	1-10	92%-3%		2-3	90%~19%		1-3	93%~3% 87%~18%		
	ACM 300	[220]	300W - 3-wire Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	1 - 10	58%-3%		2-7	75%~3%		1-5	84%~3%		
	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	2 - 11	93%-6%		1-9	97%~7%			N.A.	N.A.	
Legrand	78401	[RLC]	40 ~ 500W	T.B.D.	T.B.D.	T.B.D.	1 - 13	94%-7%		2-9	93%~5%		1-5	91%~7%		
Legrand 6	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	2 - 9	94%-5%		1-7	98%~7%		1-5	98%~7%		
Legrand 6	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.	2 - 15	94%-5%		1-2	97%~7%		1-5	99%~6%		
	67083	[RLC]	3 ~ 400W	T.B.D.	T.B.D.	T.B.D.	1 - 3	94%-3%		2-9	92%~3%		1-5	88%~3%		
	67084	[RLC]	8 - 300 VA - Push LED (3wire)	3-15	90%~3%		1 - 11	93%-8%		1-9	94%~5%		1-5	96%~6%		
	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	3-11	95%~3%	TDD	1-9	97%-3%		1-7	98%~2%		1-5	96%~3%		
	L4402N SBD200LED (MEG5134-0000)	[R] [LED/RC]	60 ~ 500 W 4 ~ 200 W (RC) 4 ~ 400 W (RL)	T.B.D. 3-15	T.B.D. 88%~3%	T.B.D.	1 - 10	N.A. 92%-14%	N.A.	1-9	N.A. 93%~12%	N.A.	1-5	N.A. 92%~13%	N.A.	
	SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[RC]	315 W	3-15	90%~3%		1-10	92%-14%		1-9	92%~3%		1-5	93%~3%		
	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	3-15	90%~3%		1 - 12	94%-7%		1-10	94%~4%		1-5	99%~5%		
	K1535	[R]	65 ~ 450 W - Turn	3-16	83%~3%		1 - 13	77%-7%		1-11	80%~8%		1-5	85%~7%		
	K1501 WHILV	[R]	60 ~ 500 W - Turn	3-18	83%~3%		1 - 15	96%-30%		1-12	92%~7%		1-5	98%~29%		
MK - Electric	K4501 WHILV	[RLC]	180 W	T.B.D.	T.B.D.	T.B.D.	1 - 7	92%-5%		2-5	99%~28%		1-5	99%~25%		
	K4500 WHILV	[RLC]	400 W	T.B.D.	T.B.D.	T.B.D.	1 - 11	99%-29%		2-9	99%~28%		1-5	99%~25%		
	310-0280X	[LED]	2 ~ 100 VA	T.B.D.	T.B.D.	T.B.D.	1 - 3	96%-4%		T.B.D.	T.B.D.	T.B.D.	1-2	93%~3%		
	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	T.B.D.	T.B.D.	T.B.D.	1-4	95%-3%		2-3	92%~3%		1-3	90%~3%		
	UID8670 RP0977	[LED]	2 ~ 100 VA-LED - Push (3wire) 4 - 100W	3-18 T.B.D.	85%~3% T.B.D.	T.B.D.	1 - 14 1 - 3	93%-3% 99%-15%		1-20 T.B.D.	95%~3% T.B.D.	T.B.D.	1-5 T.B.D.	93%~3% T.B.D.	T.B.D.	
	RM0545	[LED]	4 - 100W	T.B.D.	T.B.D.	Т.В.D. Т.В.D.	1-3	92%-8%		т.в.р. т.в.р.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	3-11	90%~3%	1.0.0.	1-9	92%-4%		1-7	92%~3%	1.0.0.	1-5	93%~3%	1.0.0.	
	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	3-11	90%~3%		1 - 9	92%-4%		1-7	92%~3%		1-5	93%~3%		
	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	3-15	88%~3%		1 - 10	92%-14%		1-9	93%~12%		1-5	92%~13%		
Schneider S	SBD315RC (SBD 315)	[RC]	315 W	3-11	90%~3%		1 - 9	92%-4%		1-7	92%~3%		1-5	93%~3%		
	ED 350	[RC]	50 ~ 350 W	T.B.D.	T.B.D.	T.B.D.	1 - 12	93%-14%		2-8	90%~13%		1-5	86%~12%		
	DRS 315	[RC]	50 ~ 315 W	T.B.D.	T.B.D.	T.B.D.	1 - 11	95%-10%		2-7	94%~9%		1-5	89%~8%		
	DU 250	[RC]	20~250 W	T.B.D.	T.B.D.	T.B.D.	1 - 14	96%-17%		2-6	82%~3%		1-5	78%~3%		
-	HQ3W	[R]	60 - 400 W	3-15	88%~3%	TOP	1-8	91%-5%		2-9	97%~6%		1-5	93%~3%		
	ICT401 M 20148	[RC] [RL]	20 - 400 W 500 W	T.B.D. 3-18	T.B.D. 89%~3%	T.B.D.	1 - 13 1 - 14	94%-5% 92%-4%		2-9 1-12	93%~10% 95%~3%		1-5 1-5	92%~3% 97%~5%		
	14153	[R]	555 11	3-18 T.B.D.	89%~3% T.B.D.	T.B.D.	1 - 14	92%-4%		2-12	95%~3% 99%~3%		2-5	97%~5% 97%~5%		
	20160	[RC]		3-15	88%~3%	T.B.D.	1 - 10	95%-3%		2-12	93%~3%		1-5	90%~3%		
Vimar 2	20162	[RL]	40 ~ 300 W	3-11	88%~3%		1 - 9	91%-7%		1-7	92%~4%		1-5	94%~5%		
Dynalite [DDLE801		(100 W per channel)	T.B.D.	T.B.D.	T.B.D.	1 - 14	95%-3%		1-12	96%~3%		1-5	95%~3%		
Dynalite [DDMC-GRMSPLUS		(460 W per channel)	T.B.D.	T.B.D.	T.B.D.	1 - 13	99%-3%		1-11	93%~2%		1-5	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)
- #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 with the indicated dimmer will be somewhere between 10%-30%
- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
- #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
 - Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers



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



KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance				
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are			
	Unexpected performance behavior, not in line with good dimming perception				
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					
					ster LEDspot Cla 9.5 - 75W PAR30			aster LEDspot M 5.5W-60W PAR3	vv	Ma	ster LEDspot Cla 13 - 100W PAR			ter LEDspot Cla 13 - 100W PAR3	
											(a)(a)				
					NEW									NEW	
Durand	1.7.00	Tura	land	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Brand Berker INSTA	Туре 286710	Type [RC]	Load 20 ~ 360 W - Turn	1-8	93%-12%	0	1-5	88%~3%	0	1-5	97%~3%	0	1-5	94%-13%	0
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1 - 8	96%-11%			N.A.	N.A.	5	96%~3%		1 - 5	96%-12%	
Bticino	L4407	0	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.	1-3	59%~3%			N.A.	N.A.
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1 - 8	95%-11%		2-5	90%~3%			N.A.	N.A.	1-8	97%-57%	
Busch Jaeger ABB	2247 U 2250 U	[RL] [R]	20 ~ 500 W - Turn 60 ~ 600 W - Turn	1 - 11 1 - 13	94%-3% 96%-3%		1-5 2-5	92%~3% 94%~3%		5	99%~3% 98%~3%		1-8 1-9	95%-3% 96%-3%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-13	96%-3% 93%-12%		1-5	94%~3% 91%~3%		1-5	98%~3%		1-9	96%-3% 93%-12%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA - LED - Turn	1 - 11	95%-3%		1-5	90%~3%			N.A.	N.A.	1 - 15	96%-3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)	1 - 11	95%-12%		1-5	94%~3%		1-5	96%~3%		1 - 8	93%-11%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)	1 - 8	92%-18%			N.A.	N.A.	1-5	98%~3%		1 - 5	93%-15%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W 420 W	1 - 7 1 - 9	94%-4% 96%-7%		2-5 1-5	84%~3%		1-5	99%~3%		1 - 5	94%-4% N.A.	N.A.
ELKO Schneider Eltako	SBD420RCRL (CCTEL13011) EVD61NPN-UC	[RLC]	420 W 400 W 3-wire Push Module	1-9	96%-7% 95%-7%		1-5	92%~22% 99%~3%		1-5	98%~3% N.A.	N.A.	1-6	N.A. 96%-8%	N.A.
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	1 - 8	92%-18%			N.A.	N.A.	1-5	98%~3%		1 - 5	93%-15%	
Feller Schneider	40300 (SBD315)	[RLC]	300 W	1 - 7	94%-4%		2-5	84%~3%		1-5	99%~3%		1 - 5	94%-4%	
Feller Schneider	40420 (SBD420)	[RLC]	420 W	1 - 9	96%-7%		1-5	92%~22%		1-5	98%~3%			N.A.	N.A.
GIRA	1176-00/01	[RLC]	50 ~ 420 W	1-9	88%-7%		1-5	84%~8%			N.A.	N.A.		N.A.	N.A.
GIRA	2390 00/ 100 EVN 011	[LED]	7 ~ 100 W - Push (3wire) 300 VA	1 - 9 1 - 6	97%-3% 96%-6%		1-5	88%~3% N.A.	N.A.		N.A. N.A.	N.A.	1-5 5	94%-4% 97%-9%	
Hager Hager	EVN 012	[RC] [RC]	300 W	1-6	96%-6% 96%-14%		1-5	98%~3%	N.A.		N.A.	N.A.	5	97%-9%	
Hager	EVN 004	[RL]	500 VA	1 - 11	97%-14%		1-5	99%~3%			N.A.	N.A.	8	97%-14%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1 - 11	93%-13%		1-5	91%~3%		1-5	97%~3%		1 - 8	92%-14%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1 - 10	94%-3%		1-5	88%~3%			N.A.	N.A.	1-8	95%-3%	
Klik aan Klik uit	AWMD-250	[LED]	3~24W	1-3	89%-20%			N.A.	N.A.		N.A.	N.A.	1-2	92%-21%	
Klik aan Klik uit Legrand	ACM 300 774161	[RL]	300W - 3-wire Push LED Dimmer 40 ~ 400 W - Turn	1 - 6 1 - 8	84%-3% 96%-6%			N.A. N.A.	N.A.	5	N.A. 97%~3%	N.A.	1 - 5 1 - 6	81%-3% 97%-7%	
Legrand	78401	[RLC]	40 ~ 500W	5-8	93%-8%		1-5	94%~3%			N.A.	N.A.		N.A.	N.A.
Legrand	67081	[RL]	40 ~ 400 W - Turn	1 - 6	96%-3%			N.A.	N.A.		N.A.	N.A.	1 - 5	98%-7%	
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%			N.A.	N.A.		N.A.	N.A.	1 - 6	92%-3%	
Legrand Legrand	67084 67085 (078406)	[RLC] [RLC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire)	1 - 8 1 - 6	94%-3% 98%-3%		1-5	N.A. 91%~3%	N.A.	1-5	N.A. 96%~3%	N.A.		N.A.	N.A.
Legrand	L4402N	[R]	60 ~ 500 W		N.A.	N.A.	3-5	88%~8%		13	N.A.	N.A.	2-3	91%-15%	N.A.
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	1 - 8	92%-18%			N.A.	N.A.	1-5	98%~3%		1 - 5	93%-15%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	1 - 7	94%-4%		2-5	84%~3%		1-5	99%~3%		1 - 5	94%-4%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-9	96%-7%		1-5	92%~22%		1-5	98%~3%			N.A.	N.A.
MK - Electric MK - Electric	K1535 K1501 WHILV	[R] [R]	65 ~ 450 W - Turn 60 ~ 500 W - Turn	1 - 5 1 - 7	84%-5% 84%-5%		1-5	N.A. 86%~3%	N.A.		N.A. N.A.	N.A.	1 - 7 1 - 8	88%-10% 93%-6%	
MK - Electric	KISOT WHILV K4501 WHILV	[R] [RLC]	180 W	1-7	84%-5% 93%-8%		1-5	85%~3%			N.A. N.A.	N.A.	1-8	93%-6%	
MK - Electric	K4500 WHILV	[RLC]	400 W	1 - 11	93%-6%		1-5	86%~3%			N.A.	N.A.	1-6	91%-6%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	1 - 2	86%-4%		1-4	96%~3%			N.A.	N.A.	1 - 2	94%-5%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1 - 3	86%-3%		1-4	86%~4%			N.A.	N.A.	1 - 2	91%-3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1 - 11	95%-3%		1-5	90%~3%	TDD	TDD	N.A.	N.A.	1 - 15	96%-3%	
RELCO	RP0977 RM0545	[LED] [LED]	4 - 100W 4 - 100W	1 - 2 1 - 2	89%-13% 83%-8%		T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	1 - 2 1 - 3	99%-17% 93%-9%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	1 - 7	94%-4%		2-5	84%~3%		1-5	99%~3%		1 - 5	94%-4%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	1 - 7	94%-4%		2-5	84%~3%		1-5	99%~3%		1 - 5	94%-4%	
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	1 - 8	92%-18%			N.A.	N.A.	1-5	98%~3%		1 - 5	93%-15%	
Schneider	SBD315RC (SBD 315)	[RC]	315 W	1-7	94%-4%		2-5	84%~3%		1-5	99%~3%		1-5	94%-4%	
VADSBO	ED 350 DRS 315	[RC] [RC]	50 ~ 350 W 50 ~ 315 W	1 - 7 1 - 7	82%-13% 90%-10%		1-5	87%~7% N.A.	N.A.	1-5	90%~3% N.A.	N.A.	1 - 5 1 - 5	90%-1% 94%-11%	
VADSBO	DKS 315 DU 250	[RC]	20 ~ 250 W	1-7	88%-15		1-5	N.A. 82%~3%	N.A.		N.A. N.A.	N.A.		94%-11% N.A.	N.A.
Varilight	HQ3W	[R]	60 - 400 W	1 - 8	95%-4%		3-5	91%~3%			N.A.	N.A.	1 - 6	94%-5%	
Varilight	ICT401 M	[RC]	20 - 400 W	1 - 8	89%-5%		1-5	85%~3%		1-5	98%~3%		1 - 6	93%-5%	
Vimar	20148	[RL]	500 W	1 - 11	97%-3%		3-5	96%~4%			N.A.	N.A.	1 - 8	95%-5%	
Vimar	14153	[R]		1 - 11	89%-3%		1-5	97%~3%			N.A.	N.A.	1-8	96%-3%	
Vimar Vimar	20160 20162	[RC] [RL]	40 ~ 300 W	1 - 6 1 - 6	90%-3% 96%-8%		1-5 1-5	90%~3%		1-5	N.A. 98%~3%	N.A.	1 - 8 1 - 5	92%-3% 35%-7%	
VIII I CU	20102	լույ	-+0 ~ 500 W	1-0	90%-6%		1-5	89%~3%		1-5	90%~3%		1 - S	5570-176	
Dynalite	DDLE801		(100 W per channel)	1 - 11	93%-3%			N.A.	N.A.		N.A.	N.A.	1 - 8	94%-3%	

Note :

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips recommend to use dimmable lamps in combination with it.
- #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
- #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
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- #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.
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Recommended dimmer compatibility list for Mains Voltage Lamps



KEY

Brand

Bticino Busch Jaeger |ABB

Berker IINSTA

Berker |INSTA

Busch Jaeger |ABB

Busch Jaeger ABB

Busch Jaeger |ABB

Busch Jaeger |ABB

Busch Jaeger ABB

ELKO |Schneider

ELKO| Schneider

ELKOI Schneider

Feller| Schneider

Feller Schneider

Feller| Schneider

Eltako

GIRA

GIRA

Hager

Hager Hager

Jung

Jung Klik aan Klik uit

Legrand Legrand

Legrand Legrand

Legrand

Legrand Legrand

Legrand

Merten Schneider Merten Schneider

Merten Schneider

MK - Electric

MK - Electric

MK - Electric

MK - Electric NIKO

PEHA

Philips

RELCO

RELCO

Schneider

Schneider

Schneider Schneider

VADSBO VADSBO

VADSBO

Klik aan Klik uit

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance	
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	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	

						spot		
				CorePro LEDspot MV	LED	spot	CorePro LEDspot MV	
				5W-60W R5			-60W R63	
				9				
1	I	1	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Type 286710	Type [RC]	Load 20 ~ 360 W - Turn	2-10	<u>ت</u> 20% 90%-20%	Ū	2-15	<u>5</u> 20%	U
283010	[RC]	60 ~ 400 W - Turn	2-10	94%~8%		T.B.D.	T.B.D.	T.B.D.
L4407	0	60 ~ 250 W		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.
2200 U - 503	[R]	60 ~ 400 W - Turn	2-10	94%~16%	< 2	2-15	97%~36%	< 16
2247 U	[RL]	20 ~ 500 W - Turn	2-10	92%~3%		2-20	98%~3%	
2250 U	[R]	60 ~ 600 W - Turn	2-10	92%~3%		2-20	98%~3%	
6513 U - 102	[RC]	40 ~ 420 W - Turn	2-10	96%~20%		2-15	98%~21%	
6523 U	[LED]	2 ~ 100 VA - LED - Turn	2-10	92%~3%		2-20	95%~3%	
6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)	1-16	95%~20%		T.B.D.	T.B.D.	T.B.D.
SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)	2-10	88%~20%		2-10	99%~26%	
SBD315RC (315 GLE)	[RC]	315 W	2-10	88%~3%		2-10	97%~3%	
SBD420RCRL (CCTEL13011)	[RLC]	420 W		N.A.	N.A.		N.A.	N.A.
EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400 W 3-wire Push Module	1-16 2-10	97%~12% 88%~20%	<17	T.B.D. 2-10	T.B.D. 99%~26%	T.B.D.
40300 (SBD315)	[RLC]	4 ~ 200 W (RC) 4 ~ 400 W (RL) 300 W	2-10	88%~3%		2-10	99%~26%	
40420 (SBD420)	[RLC]	420 W	2-10	N.A.	N.A.	2-10	N.A.	N.A.
1176-00/01	[RLC]	50 ~ 420 W	1-16	94%~30%	1100	T.B.D.	T.B.D.	T.B.D.
2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	2-10	92%~8%		2-19	95%~7%	
EVN 011	[RC]	300 VA	1-12	97%~14%	< 13	T.B.D.	T.B.D.	T.B.D.
EVN 012	[RC]	300 W	1-12	96%~15%	< 13	T.B.D.	T.B.D.	T.B.D.
EVN 004	[RL]	500 VA	1-16	97%~15%	< 3	T.B.D.	T.B.D.	T.B.D.
225 TDE	[RC]	20 ~ 525 W - Turn	2-10	92%~24%		2-20	98%~25%	
1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-10	92%~36%		2-20	96%~46%	
AWMD-250	[LED]	3 ~ 24W	1-5	79%~31%		T.B.D.	T.B.D.	T.B.D.
ACM 300		300W - 3-wire Push LED Dimmer	1-12	87%~14%		T.B.D.	T.B.D.	T.B.D.
774161	[RL]	40 ~ 400 W - Turn	3-10	92%~8%	< 4		N.A.	N.A.
78401	[RLC]	40 ~ 500W	1-16	95%~14%		3-10	97%~15%	TDD
67081 67082	[RL]	40 ~ 400 W - Turn 40 ~ 600 W - Turn	3-10	96%~16% N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.
67083	[RL] [RLC]	3 ~ 400W	2-16	90%~12%	IN.A.	3-20 T.B.D.	97%~14% T.B.D.	T.B.D.
67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-10	88%~3%	< 5	2-15	97%~3%	1.5.5.
67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-10	96%~3%		2-13	99%~3%	
L4402N	[R]	60 ~ 500 W	2-16	95%~20%		T.B.D.	T.B.D.	T.B.D.
SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	2-10	88%~20%		2-10	99%~26%	
SBD315RC (MEG5136-0000)	[RC]	315 W	2-10	88%~3%		2-10	97%~3%	
SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.
K1535	[R]	65 ~ 450 W - Turn	2-10	80%~14%		2-17	87%~16%	
K1501 WHILV	[R]	60 ~ 500 W - Turn	2-10	86%~14%		2-19	93%~16%	
K4501 WHILV	[RLC]	180 W	1-9	90%~17%		T.B.D.	T.B.D.	T.B.D.
K4500 WHILV	[RLC]	400 W	1-16	89%~18%		T.B.D.	T.B.D.	T.B.D.
310-0280X	[LED]	2~100 VA	1-4	86%~6%		T.B.D.	T.B.D.	T.B.D.
431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-5	89%~7%		T.B.D.	T.B.D.	T.B.D.
UID8670 RP0977	[LED] [LED]	2 ~ 100 VA-LED - Push (3wire) 4 - 100W	2-10 T.B.D.	92%~3% T.B.D.	T.B.D.	2-20 T.B.D.	95%~3% T.B.D.	T.B.D.
RM0545	[LED]	4 - 100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
SBD315RC (SBD 315, SDD 315)	[RC]	315 W	2-10	88%~3%		2-10	97%~3%	
SBD315RC (ATD315)(CCT011533)	[RC]	315 W	2-10	88%~3%		2-10	97%~3%	
SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	2-10	88%~20%		2-10	99%~26%	
SBD315RC (SBD 315)	[RC]	315 W	2-10	88%~3%		2-10	97%~3%	
ED 350	[RC]	50 ~ 350 W	1-14	88%~27%		T.B.D.	T.B.D.	T.B.D.
DRS 315	[RC]	50 ~ 315 W	2-13	95%~19%	< 14	T.B.D.	T.B.D.	T.B.D.
DU 250	[RC]	20 ~ 250 W	1-10	85%~9%	< 11	T.B.D.	T.B.D.	T.B.D.
HO3W/	[D]	60 - 400 W	2.10	07% 6%		2.45	00% . 4%	

Varilight	HQ3W	[R]	60 - 400 W	2-10	92%~6%		2-15	99%~4%	
Varilight	ICT401 M	[RC]	20 - 400 W	1-16	89%~6%		T.B.D.	T.B.D.	T.B.D.
Vimar	20148	[RL]	500 W	3-10	92%~8%	< 11	2-19	96%~13%	< 4
Vimar	14153	[R]		1-16	99%~6%		T.B.D.	T.B.D.	T.B.D.
Vimar	20160	[RC]		2-16	94%~11%	< 17	T.B.D.	T.B.D.	T.B.D.
Vimar	20162	[RL]	40 ~ 300 W	2-10	88%~8%	< 11	2-11	97%~9%	< 5
Dynalite	DDLE801		(100 W per channel)	T.B.D.	T.B.D.	T.B.D.	2-19	99%~3%	
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	T.B.D.	T.B.D.	T.B.D.	2-17	97%~3%	

Note

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips recommend to use dimmable lamps in combination with it.
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- #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 binning performance. These diminents require more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininge more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps as minimum total, of pool dimininged more than 5 tamps and 5	
Unexpected performance behavior, not in line with good dimming perception attempted to provide generated in lab con-	nformation purposes and
N A Diamax Jama combination not applicable	best results, results are
	itions and might contain
T.B.D. Dimmer lamp combination not tested	

						LED	bulb					
	Ma	ster LEDbulb cl 6W-40W DimTone	ear	Ma	ster LEDbulb cl 8.5W-60W DimTone	lear		Master LEDbulb 6 - 40W frosted DimTone		8	Master ledbulb 8.5 - 60W froste DimTone	
		Ĩ			× U							
	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
50 W - Turn	1-3 (max 12)	87%~3%		1-3 (max 8)	98%~4%		1-3	98%~8%		1-3	94%~7%	
00 W - Turn	1-3 (max 13)	90%~3%		1-3 (max 9)	95%~3%		1-3	98%~7%		1-3	96%~5%	
50 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
00 W - Turn	1-3 (max 13)	93%~3%		1-3 (max 9)	94%~5%		1-3	97%~19%		1-3	94%~9%	
00 W - Turn	1-3 (max 13)	90%~3%		1-3 (max 9)	95%~3%		1-3	99%~3%		1-3	95%~3%	
00 W - Turn	1-3 (max 17)	92%~3%		1-3 (max 11)	95%~3%		1-3	97%~3%		1-3	97%~3%	
20 W - Turn	1-3 (max 14)	94%~8%		1-3 (max 9)	96%~5%		1-3	98%~7%		1-3	95%~6%	
) VA – LED – Turn	1-3 (max 17)	86%~3%		1-3 (max 11)	89%~3%		1-3	83%~3%		1-3	89%~3%	
) VA - LED - Push (2wire)	1-3 (max 17)	91%~4%		1-3 (max 11)	88%~5%		1-3	88%~10%		1-3	97%~6%	
OW (RC) 4 ~ 400W (RL)	1-3 (max 6)	88%~3%		1-3 (max 4)	90%~4%			N.A.	N.A.	2-3	93%~8%	
	1-3 (max 11)	93%~3%		1-3 (max 7)	92%~3%		1-3	98%~3%		1-3	94%~2%	
	1-3 (max 11)	89%~3%		1-3 (max 7)	95%~3%			N.A.	N.A.		N.A.	N.A.
3-wire Push Module	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-3	98%~6%		1-3	99%~3%	
0 W (RC) 4 ~ 400 W (RL)	1-3 (max 6)	88%~3%		1-3 (max 4)	90%~4%		1.2	N.A.	N.A.	2-3	93%~8%	
	1-3 (max 11) 1-3 (max 11)	93%~3% 89%~3%		1-3 (max 7) 1-3 (max 7)	92%~3% 95%~3%		1-3	98%~3% N.A.	N.A.	1-3	94%~2% N.A.	N.A.
0 W	1-3 (max 11)	93%~5%		1-3 (max 7)	88%~5%		1-3	N.A. 99%~19%	IN.A.		N.A.	N.A.
W - Push (3wire)	1-3 (max 17)	86%~3%		1-3 (max 11)	91%~3%		1-3	97%~31%		1-3	95%~17%	11.4.
	1-3 (max 10)	98%~3%		1-3 (max 7)	93%~3%		1-3	98%~8%		1-3	99%~7%	
·	1-3 (max 10)	98%~3%		1-3 (max 7)	93%~3%		1-3	98%~12%		1-3	99%~6%	
	1-3 (max 17)	98%~3%		1-3 (max 11)	93%~3%		1-3	99%~13%		1-3	99%~6%	
5 W - Turn	1-3 (max 18)	93%~3%		1-3 (max 12)	96%~5%		1-3	98%~9%		1-3	96%~8%	
W – Push (3wire)	1-3 (max 17)	87%~7%		1-3 (max 11)	91%~7%		1-3	97%~4%		T.B.D.	T.B.D.	T.B.D.
/	1-3 (max 4)	82%~4%		1-3 (max 2)	83%~5%			N.A.	N.A.	1-3	89%~8%	
- 3-wire Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-3	96%~8%		1-3	96%~4%	
00 W - Turn			N.A.		N.A.	N.A.		N.A.	N.A.	2-3	96%~5%	
WOO	1-3 (max 17)	96%~3%		1-3 (max 11)	93%~3%		1-3	98%~7%		1-3	97%~4%	
00 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2-3	97%~5%	
00 W - Turn		N.A.	N.A.		N.A.	N.A.	3	98%~5%		2-3	97%~5%	
W		N.A.	N.A.	1-3 (max 9)	90%~3%			N.A.	N.A.	1-2	89%~3%	
VA - Push LED (3wire)	1-3 (max 10)	95%~3%		1-3 (max 7)	95%~3%		2-3	99%~6%		1-3	98%~6%	
VA - Push LED (3wire)	1-3 (max 10)	88%~17%		1-3 (max 7)	95%~3%		1-3	99%~3%		1-3	96%~3%	
00 W	1.2 (2004)	N.A.	N.A.	1-3 (max 11)	83%~5%		2-3	97%~13%	NL A	2-3	89%~6%	
) W (RC) 4 ~ 400 W (RL)	1-3 (max 6) 1-3 (max 11)	88%~3%		1-3 (max 4)	90%~4%		1-3	N.A.	N.A.	2-3	93%~8%	
20 VA		93%~3%		1-3 (max 7)	92%~3%		1-5	98%~3%	N A	1-3	94%~2%	N.A.
0 W - Turn	1-3 (max 14)	89%~3% N.A.	N.A.	1-3 (max 9) 1-3 (max 10)	95%~3% 80%~3%		1-3	N.A. 99%~6%	N.A.	1-3	N.A. 84%~5%	N.A.
DO W - Turn	1-3 (max 17)	N.A. 85%~3%	11.76	1-3 (max 10)	90%~3%		1-3	99%~6%		1-3	90%~5%	
	1-3 (max 17)	88%~3%		1-3 (max 1)	83%~3%		1-3	96%~7%		1-3	90%~3%	
	1-3 (max 13)	88%~3%		1-3 (max 9)	85%~3%		1-3	95%~7%		1-3	90%~3%	
VA	1-3 (max 17)	98%~4%		1-3 (max 11)	95%~5%		1-3	98%~3%		1-2	99%~3%	
W [LED] 6 ~ 60W	1-3 (max 10)	88%~4%		1-3 (max 7)	83%~5%		1-3	98%~21%		1-3	92%~3%	
VA-LED - Push (3wire)	1-3 (max 17)	86%~3%		1-3 (max 11)	89%~3%		1-3	83%~3%		1-3	89%~3%	
W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-3	96%~4%		1-2	99%~9%	
W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-3	98%~8%		1-2	95%~4%	
	1-3 (max 11)	93%~3%		1-3 (max 7)	92%~3%		1-3	98%~3%		1-3	94%~2%	
	1-3 (max 11)	93%~3%		1-3 (max 7)	92%~3%		1-3	98%~3%		1-3	94%~2%	
) VA - Turn Universal (2wire)	1-3 (max 13)	88%~3%		1-3 (max 9)	90%~4%			N.A.	N.A.	2-3	93%~8%	
	1-3 (max 11)	93%~3%		1-3 (max 7)	90%~4%		1-3	98%~3%		1-3	94%~2%	
50 W	1-3 (max 12)	91%~5%		1-3 (max 8)	85%~5%		1-3	99%~25%		1-3	94%~8%	
5 W		N.A.	N.A.	1-3 (max 7)	93%~3%	<2		N.A.	N.A.		N.A.	N.A.
50 W	1-3 (max 8)	88%~3%	<4	1-3 (max 5)	83%~3%	<4	1-3	96%~6%		1-3	90%~3%	

Brand	Туре	Туре	Load
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn
Berker INSTA	283010	[R]	60 ~ 400 W - Turn
Bticino	L4407	0	60 ~ 250 W
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W
Eltako	EVD61NPN-UC	[nee]	400 W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)
Feller Schneider	40300 (SBD315)	[RLC]	300 W
Feller Schneider			420 W
	40420 (SBD420)	[RLC]	
GIRA	1176-00/01	[RLC]	50 ~ 420 W
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)
Hager	EVN 011	[RC]	300 VA
Hager	EVN 012	[RC]	300 W
Hager	EVN 004	[RL]	500 VA
Jung	225 TDE	[RC]	20 ~ 525 W - Turn
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer
Legrand	774161	[RL]	40 ~ 400 W - Turn
Legrand	78401	[RLC]	40 ~ 500W
Legrand	67081	[RL]	40 ~ 400 W - Turn
Legrand	67082	[RL]	40 ~ 600 W - Turn
Legrand	67083	[RLC]	3 ~ 400W
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R]	60 ~ 500 W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA
MK - Electric	K1535	[R]	65 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC]	180 W
MK - Electric	K4500 WHILV	[RLC]	400 W
NIKO	310-0280X	[LED]	2 ~ 100 VA
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)
RELCO	RP0977 RM0545	[LED]	4 - 100W 4 - 100W
Schneider		[LED]	
	SBD315RC (SBD 315, SDD 315)	[RC]	315 W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC]	315 W
VADSBO VADSBO	ED 350 DRS 315	[RC] [RC]	50 ~ 350 W 50 ~ 315 W

VADSBO	DU 250	[RC]	20 ~ 250 W	1-3 (max 8)	88%~3%	<4	1-3 (max 5)	83%~3%	<4	1-3	96%~6%		1-3	90%~3%	
Varilight	HQ3W	[R]	60 - 400 W	1-3 (max 13)	92%~3%		1-3 (max 9)	99%~3%		1-3	96%~4%		1-3	96%~3%	
Varilight	ICT401 M	[RC]	20 - 400 W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-3	97%~3%		1-3	88%~2%	
Vimar	20148	[RL]	500 W		N.A.	N.A.		N.A.	N.A.	1-3	97%~5%	<3	1-3	96%~4%	<2
Vimar	14153	[R]		1-3	98%~3%		1-3	98%~3%		2-3	98%~3%		1-3	95%~6%	
Vimar	20160	[RC]			N.A.	N.A.	1-3	93%~3%	<4	2-3	95%~3%	<2	1-3	96%~3%	<2
Vimar	20162	[RL]	40 ~ 300 W		N.A.	N.A.		N.A.	N.A.	1-3	98%~7%	<3	1-3	95%~9%	<2
Dynalite	DDLE801		(100 W per channel)	1-3	95%~3%		1-3	93%~3%		1-3	96%~3%		1-3	93%~3%	
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	1-3	98%~3%		1-3	90%~3%		1-3	98%~3%		1-3	95%~3%	

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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	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	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 11W-75W froster DimTone		1	Master LEDbulb 5W-100W froste DimTone	,		CorePro LEDbull 6W-40W	b		CorePro LEDbul 8.5W-60W	Ь
					U			T						W	
				Dimming Performance	ming ge	wing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Brand	Туре	Туре	Load	Dim Perf	Dimmir Range	Glov	Dim Perf	Dim Ran	Glov	Dim Perf	Dim Ran	Glov	Dim Perf	Dim Ran	Glov
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	87%~10%		1-3	89%~9%		1-3	94%~3%		1-3	95%~3%	
Berker INSTA Bticino	283010 L4407	[R] []	60 ~ 400 W - Turn 60 ~ 250 W	1-3	93%~10% N.A.	N.A.	1-3	91%~9% N.A.	N.A.	1-3	96%~3% N.A.	N.A.	1-3	92%~11%	N.A.
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	93%~17%		1-3	91%~22%		1-3	98%~9%		1-3	94%~15%	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	93%~3%		1-3	93%~3%			N.A.	N.A.	1-3	95%~3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	93%~3%		1-3	93%~3%		1-3	99%~3%		1-3	92%~3%	
Busch Jaeger ABB Busch Jaeger ABB	6513 U - 102 6523 U	[RC] [LED]	40 ~ 420 W - Turn 2 ~ 100 VA - LED - Turn	1-3 1-3	93%~10% 87%~3%		1-3 1-3	91%~10% 87%~3%		1-3	98%~5% 94%~3%		1-3	92%~4% 94%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)	1-3	98%~10%		1-3	98%~11%		1-3	94 %~3 % 91%~13%		1-3	94%~3%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)	1-3	90%~10%		1-3	89%~10%		3	91%~3%		1-3	91%~7%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	1-3	87%~3%		1-3	84%~3%		1-3	93%~3%		1-3	98%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W	1-3	93%~7%		1-3	91%~4%		1-3	91%~3%		1-3	93%~3%	
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400 W 3-wire Push Module 4 ~ 200 W (RC) 4 ~ 400 W (RL)	1-3 1-3	97%~5% 90%~10%		1-3 1-3	97%~5% 89%~10%		T.B.D. 3	T.B.D. 91%~3%	T.B.D.	T.B.D. 1-3	T.B.D. 91%~7%	T.B.D.
Feller Schneider	40300 (SBD315)	[RLC]	300 W	1-3	87%~3%		1-3	84%~3%		1-3	93%~3%		1-3	98%~3%	
Feller Schneider	40420 (SBD420)	[RLC]	420 W	1-3	93%~7%		1-3	91%~4%		1-3	91%~3%		1-3	93%~3%	
GIRA	1176-00/01	[RLC]	50 ~ 420 W	1-3	93%~24%		1-3	93%~24%		1-3	93%~15%		1-3	93%~13%	
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	1-3	90%~3%		1-3	87%~4%		1-3	94%~3%		1-3	99%~3%	
Hager	EVN 011 EVN 012	[RC]	300 VA 300 W	1-3	97%~6% 97%~6%		1-3 1-3	97%~6%		1-3 1-3	97%~3%		1-3 1-3	97%~3%	
Hager Hager	EVN 004	[RC] [RL]	500 VA	1-3 1-3	97%~6%		1-3	97%~6% 97%~6%		1-3	97%~3% 97%~3%		1-3	97%~3% 97%~3%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	90%~10%		1-3	89%~9%		1-3	92%~8%		1-3	93%~7%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	87%~20%		1-3	89%~29%		1-3	95%~3%		1-3	93%~3%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W		N.A.	N.A.		N.A.	N.A.	1-3	84%~12%		1-3	87%~20%	
Klik aan Klik uit	ACM 300	(DL)	300W - 3-wire Push LED Dimmer		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Legrand Legrand	774161 78401	[RL] [RLC]	40 ~ 400 W - Turn 40 ~ 500W	1-3	N.A. 94%~7%	N.A.	1-3	N.A. 94%~7%	N.A.	1-3	N.A. 93%~3%	N.A.	1-3	N.A. 93%~3%	N.A.
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	93%~7%			N.A.	N.A.		98%~3%			92%~3%	
Legrand Legrand	67085 (078406) L4402N	[RLC] [R]	8 - 300 VA - Push LED (3wire) 60 ~ 500 W	1-3 1-3	93%~3% 86%~17%		1-3 1-3	91%~3% 86%~18%			96%~3% N.A.	N.A.	2-3	97%~3% 87%~11%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	1-3	90%~10%		1-3	89%~10%		3	91%~3%		1-3	91%~7%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	1-3	87%~3%		1-3	84%~3%		1-3	93%~3%		1-3	98%~3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	93%~7%		1-3	91%~4%		1-3	91%~3%		1-3	93%~3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	80%~7%		1-3	82%~9%		1-3	82%~3%		1-3	84%~6%	
MK - Electric MK - Electric	K1501 WHILV K4501 WHILV	[R] [RLC]	60 ~ 500 W - Turn 180 W	1-3 1-3	83%~7% 85%~8%		1-3	N.A. 85%~8%	N.A.	1-3 1-3	89%~3% 87%~3%		1-3 1-3	92%~3% 88%~3%	
MK - Electric	K4500 WHILV	[RLC]	400 W	1-3	90%~9%		1-3	90%~9%		1-3	87%~3%		1-3	87%~3%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-3	96%~4%		1-3	96%~5%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-3	87%~3%		1-3	87%~3%		1-3	85%~12%		1-3	89%~27%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3 TRD	87%~3%	TOP	1-3	87%~3%	TDD	1-3	94%~3%	TDD	1-3	94%~3%	TDD
RELCO	RP0977 RM0545	[LED]	4 - 100W 4 - 100W	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	1-3	87%~3%		1-3	84%~3%		1-3	93%~3%		1-3	98%~3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	1-3	87%~3%		1-3	84%~3%		1-3	93%~3%		1-3	98%~3%	
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	1-3	90%~10%		1-3	89%~10%		3	91%~3%		1-3	91%~7%	
Schneider	SBD315RC (SBD 315)	[RC]	315 W	1-3	87%~3%		1-3	84%~3%		1-3	93%~3%		1-3	98%~3%	
VADSBO VADSBO	ED 350 DRS 315	[RC] [RC]	50 ~ 350 W 50 ~ 315 W	1-3 1-3	84%~23% 96%~9%		1-3 1-3	84%~23% 96%~9%		1-3 1-3	89%~16% 92%~3%		1-3 1-3	85%~11% 92%~3%	
VADSBO	DU 250	[RC]	20 ~ 250 W	1-3	87%~3%		1-3	87%~3%		1-3	87%~3%		1-3	83%~3%	
Varilight	HQ3W	[R]	60 - 400 W	1-3	90%~3%		1-3	91%~4%		1-3	95%~3%		1-3	95%~3%	
Varilight	ICT401 M	[RC]	20 - 400 W	1-3	89%~3%		1-3	89%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Vimar	20148	[RL]	500 W	1-3	93%~7%		1-3	91%~7%		1.2	N.A.	N.A.	1-3	94%~3%	
Vimar Vimar	14153 20160	[R] [RC]		1-3 1-3	98%~3% 92%~4%		1-3 1-3	98%~3% 92%~4%		1-3	99%~3% N.A.	N.A.	1-3 1-3	99%~3% 92%~3%	
Vimar	20162	[RL]	40 ~ 300 W	1-3	90%~7%		1-3	87%~4%		1-3	95%~5%	11215	1-3	88%~3%	
Dynalite	DDLE801		(100 W per channel)	1-3	90%~3%		1-3	89%~4%		1-3	92%~3%		1-3	95%~3%	

	I	1	I
Brand	Туре	Туре	Load
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn
Berker INSTA	283010	[R]	60 ~ 400 W - Turn
Bticino	L4407	0	60 ~ 250 W
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W
Eltako	EVD61NPN-UC		400 W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)
Feller Schneider	40300 (SBD315)	[RLC]	300 W
Feller Schneider	40420 (SBD420)	[RLC]	420 W
GIRA	1176-00/01	[RLC]	50 ~ 420 W
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)
Hager	EVN 011	[RC]	300 VA
Hager	EVN 012	[RC]	300 W
Hager	EVN 004	[RL]	500 VA
Jung	225 TDE	[RC]	20 ~ 525 W - Turn
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer
Legrand	774161	[RL]	40 ~ 400 W - Turn
Legrand	78401	[RLC]	40 ~ 500W
Legrand	67081	[RL]	40 ~ 400 W - Turn
Legrand	67082	[RL]	40 ~ 600 W - Turn
Legrand	67083	[RLC]	3~400W
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R]	60 ~ 500 W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA
MK - Electric	K1535	[R]	65 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC]	180 W
MK - Electric	K4500 WHILV	[RLC]	400 W
NIKO	310-0280X	[LED]	2 ~ 100 VA
PEHA	431HAN		
Philips	UID8670	[RL] [LED]	6 ~ 120W [LED] 6 ~ 60W 2 ~ 100 VA-LED - Push (3wire)
RELCO	RP0977		4 - 100W
		[LED]	
RELCO	RM0545	[LED]	4 - 100W 315 W
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400 VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC]	315 W
VADSBO	ED 350	[RC]	50 ~ 350 W

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.
- 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. #3)
- #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
- #4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
- #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
 - Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

PHILIPS

Recommended dimmer compatibility list for Mains Voltage Lamps



KEY

Brand

Bticino

Berker IINSTA

Berker |INSTA

Busch Jaeger |ABB

Busch Jaeger |ABB

Busch Jaeger ABB

Busch Jaeger |ABB

Busch Jaeger |ABB

Busch Jaeger ABB

ELKO |Schneider

ELKO| Schneider

ELKOI Schneider

Feller| Schneider

Feller Schneider

Feller| Schneider

Eltako

GIRA

GIRA

Hager

Hager Hager

Jung Jung

Legrand

Legrand

Legrand Legrand

Legrand Legrand

Legrand

Legrand Merten Schneider

Merten Schneider

Merten Schneider

MK - Electric

MK - Electric

MK - Electric

MK - Electric NIKO

PEHA

Philips

RELCO

RELCO

Schneider

Schneide Schneider

Schneider

VADSBO VADSBO

VADSBO

Klik aan Klik uit

Klik aan Klik uit

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance	
х−у	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	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		
				CorePro LEDbulb 11.5W-75W			CorePro LEDbulb 16W-100W	
				11.500-7500			1844-10044	
							Prosets	
				A REAL				
			8			e		
			Dimming Performance	ĕ	<u>ه</u>	Dimming Performance	ß	<u>ب</u>
	I	1	erfor	Dimming Range	Glowing	erfor	Dimming Range	Glowing
Type	Type	Load	<u>ت</u> م 1-3	ි අ 90%~10%	U T.B.D.	<u>م</u> م 1-3	91%~9%	υ
286710 283010	[RC] [R]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	1-3	90%~10%	1.B.D.	1-3	91%~9% N.A.	N.A.
L4407	0	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.
2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	92%~24%		1-3	94%~25%	
2247 U	[RL]	20 ~ 500 W - Turn	1-3	94%~3%		1-3	94%~3%	
2250 U	[R]	60 ~ 600 W - Turn	1-3	96%~3%		1-3	94%~3%	
6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	92%~10%		1-3	93%~9%	
6523 U	[LED]	2 ~ 100 VA - LED - Turn	1-3	82%~3%		1-3	90%~3%	
6526 U SBD200LED (CCTEL10501)	[LED] [LED/RC]	2 ~ 100 VA - LED - Push (2wire) 4 ~ 200W (RC) 4 ~ 400W (RL)	1-3 1-3	88%~23% 88%~13%		1-3 1-3	91%~25% 90%~13%	
SBD200LED (CCTELI0501) SBD315RC (315 GLE)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%	
SBD420RCRL (CCTEL13011)	[RLC]	420 W	1-3	92%~3%		1-3	94%~3%	
EVD61NPN-UC		400 W 3-wire Push Module	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	1-3	88%~13%		1-3	90%~13%	
40300 (SBD315)	[RLC]	300 W	1-3	88%~3%		1-3	90%~3%	
40420 (SBD420)	[RLC]	420 W	1-3	92%~3%		1-3	94%~3%	
1176-00/01 2390 00/ 100	[RLC]	50 ~ 420 W 7 ~ 100 W - Push (3wire)	1-3 1-3	92%~20% 90%~3%		1-3 1-3	93%~19% 91%~3%	
EVN 011	[LED] [RC]	300 VA	1-3	97%~3%		1-3	96%~4%	
EVN 012	[RC]	300 W	1-3	95%~3%		1-3	95%~4%	
EVN 004	[RL]	500 VA	1-3	97%~5%		1-3	98%~4%	
225 TDE	[RC]	20 ~ 525 W - Turn	1-3	90%~10%		1-3	91%~11%	
1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	90%~28%		1-3	91%~26%	
AWMD-250	[LED]	3~24W	1-3	83%~25%		1-3	85%~23%	
ACM 300 774161	[RL]	300W - 3-wire Push LED Dimmer 40 ~ 400 W - Turn	T.B.D.	T.B.D. N.A.	T.B.D. N.A.	T.B.D.	T.B.D. N.A.	T.B.D. N.A.
78401	[RLC]	40 ~ 500W	1-3	92%~5%	N.A.	1-3	94%~5%	N.A.
67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.
67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.
67083	[RLC]	3 ~ 400W		N.A.	N.A.		N.A.	N.A.
67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	92%~5%		1-3	92%~5%	
67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	94%~3%		1-3	94%~3%	
L4402N	[R]	60 ~ 500 W 4 ~ 200 W (RC) 4 ~ 400 W (RL)	1-3 1-3	85%~17%		1-3	85%~16%	
SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[LED/RC] [RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL) 315 W	1-3	88%~13% 88%~3%		1-3 1-3	90%~13% 90%~3%	
SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	92%~3%		1-3	94%~3%	
K1535	[R]	65 ~ 450 W - Turn	1-3	82%~10%		1-3	83%~9%	
K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	78%~8%		1-3	88%~8%	
K4501 WHILV	[RLC]	180 W	1-3	78%~8%		1-3	88%~8%	
K4500 WHILV	[RLC]	400 W	1-3	78%~8%		1-3	88%~8%	
310-0280X	[LED]	2~100 VA	1-3	95%~13%		1-3	95%~13%	
431HAN UID8670	[RL] [LED]	6 ~ 120W [LED] 6 ~ 60W 2 ~ 100 VA-LED - Push (3wire)	1-3 1-3	88%~28% 82%~3%		1-3 1-3	88%~28% 90%~3%	
RP0977	[LED]	4 - 100W	T.B.D.	82%~3% T.B.D.	T.B.D.	T.B.D.	90%~3% T.B.D.	T.B.D.
RM0545	[LED]	4 - 100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
SBD315RC (SBD 315, SDD 315)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%	
SBD315RC (ATD315)(CCT011533)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%	
SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	1-3	88%~13%		1-3	90%~13%	
SBD315RC (SBD 315)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%	
ED 350 DRS 315	[RC] [RC]	50 ~ 350 W 50 ~ 315 W	1-3 1-3	85%~17% 90%~7%		1-3 1-3	83%~15% 91%~6%	
DRS 315 DU 250	[RC]	20 ~ 250 W	1-3	90%~7%		1-3	80%~3%	
		60 - 400 W	1.2	0.4% 2%		1.2	02%-2%	

Varilight	HQ3W	[R]	60 - 400 W	1-3	94%~3%		1-3	93%~3%	
Varilight	ICT401 M	[RC]	20 - 400 W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Vimar	20148	[RL]	500 W	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	91%~3%	
Vimar	20162	[RL]	40 ~ 300 W	1-3	88%~3%		1-3	91%~3%	
Dynalite	DDLE801		(100 W per channel)	1-3	92%~3%		1-3	95%~3%	
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	1-3	92%~3%		1-3	96%~3%	

Note

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
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- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
- #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
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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	Dimming performance: These dimmers require more than 5 lamps as minimum load, or poor dimrange	This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are generated in lab conditions and might contain		
	Unexpected performance behavior, not in line with good dimming perception			
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

				Classic filament bulb D 7.5 - 48W A60 Gold / D 5.5 - 40W A60 CL / D 8 -60W A60 CL / DT 5.5 -40W A60 CL / DT 8 -60W A60 CL / DT 8 - 60W ST64			ST64 clear d	Classic filament bulb im 60W / ST64 gold ST64 gold dim 55W		Classic filament bulb G93 clear 60W / G120 gold dim 50W			
				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand	Туре	Туре	Load	Din Per	Dirr Ran	Glo	Din Per	Dirr Ran	Glo	Dir	Dirr Ran	Glo	
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	98%~3%		1-3	93%~3%		1-3	93%~3%		
Berker INSTA Bticino	283010 L4407	[R]	60 ~ 400 W - Turn 60 ~ 250 W	2-3 T.B.D.	97%~3% T.B.D.	T.B.D.	1 - 3	94%~3%	N.A.	1-3	94%~3%	N.A.	
Busch Jaeger ABB	2200 U - 503	[] [R]	60 ~ 400 W - Turn	1-3	98%~8%	1.B.D.	1 - 3	N.A. 97%~3%	N.A.	1-3	N.A. 97%~3%	N.A.	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	1-3	98%~3%		1-3	94%~3%		1-3	94%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	97%~3%		1 - 3	96%~3%		1-3	96%~3%		
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	99%~3%		1 - 3	95%~3%		1 - 3	95%~3%		
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA - LED - Turn	1-3	97%~3%		1 - 3	91%~3%		1 - 3	91%~3%		
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)	1-3	93%~3%		1-3	95%~3%		1-3	95%~3%		
ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[LED/RC] [RC]	4 ~ 200W (RC) 4 ~ 400W (RL) 315 W	2-3 2-3	99%~3% 98%~3%		1-3 1-3	94%~6% 83%~3%		1-3 1-3	94%~6% 83%~3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W		98%~3% N.A.	N.A.	3	99%~3%		3	99%~3%		
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	1-3	91%~3%		1 - 3	99%~3%		1 - 3	99%~3%		
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	2-3	99%~3%		1-3	94%~6%		1 - 3	94%~6%		
Feller Schneider	40300 (SBD315)	[RLC]	300 W	2-3	98%~3%		1 - 3	83%~3%		1 - 3	83%~3%		
Feller Schneider	40420 (SBD420)	[RLC]	420 W	1.2	N.A.	N.A.	3	99%~3%		3	99%~3%		
GIRA	1176-00/01 2390 00/ 100	[RLC] [LED]	50 ~ 420 W 7 ~ 100 W - Push (3wire)	1 -3 T.B.D.	99%~3% T.B.D.	T.B.D.	1 - 3 1 - 3	95%~11% 93%~3%		1 - 3 1 - 3	95%~11% 93%~3%		
Hager	EVN 011	[RC]	300 VA	1-3	92%~3%	1.6.0.	1-3	96%~3%		1-3	96%~3%		
Hager	EVN 012	[RC]	300 W	1-3	92%~3%		1 - 3	98%~3%		1-3	98%~3%		
Hager	EVN 004	[RL]	500 VA	1 -3	92%~3%		1 - 3	98%~4%		1-3	98%~4%		
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	98%~3%		1 - 3	93%~6%		1-3	93%~6%		
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	97%~3%		1-3	95%~10%		1-3	95%~10%		
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W - 3-wire Push LED Dimmer	1 -3 1 -3	86%~4% 92%~3%		1-3 1-3	86%~3% 80%~3%		1 - 3 1 - 3	86%~3% 80%~3%		
Legrand	774161	[RL]	40 ~ 400 W - Turn	2-3	98%~3%			N.A.	N.A.		N.A.	N.A.	
Legrand	78401	[RLC]	40 ~ 500W	1-3	91%~3%		1 - 3	95%~3%		1 - 3	95%~3%		
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	67082	[RL]	40 ~ 600 W - Turn	2-3	97%~3%			N.A.	N.A.		N.A.	N.A.	
Legrand	67083	[RLC]	3~400W	1-3	90%~3%		1-2	87%~5%		1-2	87%~5%		
Legrand Legrand	67084 67085 (078406)	[RLC] [RLC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire)	1 -3 1 -3	97%~3% 97%~3%		1 - 3 1 - 3	95%~3% 98%~3%		1 - 3 1 - 3	95%~3% 98%~3%		
Legrand	L4402N	[R]	60 ~ 500 W	2 -3	88%~3%		2 - 3	87%~5%		2 - 3	87%~5%		
Merten Schneider	SBD200LED (MEG5134-0000)			2-3	99%~3%		1 - 3	94%~6%		1-3	94%~6%		
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	2-3	98%~3%		1 - 3	83%~3%		1 - 3	83%~3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.	3	99%~3%		3	99%~3%		
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-3	93%~3%		1-3	84%~3%		1-3	84%~3%		
MK - Electric MK - Electric	K1501 WHILV K4501 WHILV	[R] [RLC]	60 ~ 500 W - Turn 180 W	1-3 1 -3	98%~3% 98%~3%		1 - 3 1 - 3	87%~3% 91%~9%		1 - 3 1 - 3	87%~3% 91%~9%		
MK - Electric	K4500 WHILV	[RLC]	400 W	1-3	92%~3%		1-3	91%~9%		1-3	91%~9%		
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	91%~3%		1-3	97%~3%		1-3	97%~3%		
РЕНА	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-3	97%~3%		1 - 3	87%~3%		1-3	87%~3%		
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	97%~3%		1 - 3	91%~3%		1-3	91%~3%		
RELCO	RP0977	[LED]	4 - 100W	1-3	98%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
RELCO Schneider	RM0545 SBD315RC (SBD 315, SDD 315)	[LED] [RC]	4 - 100W 315 W	1 -3 2-3	92%~3% 98%~3%		T.B.D. 1 - 3	T.B.D. 83%~3%	T.B.D.	T.B.D. 1 - 3	T.B.D. 83%~3%	T.B.D.	
Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RC]	315 W	2-3	98%~3%		1-3	83%~3%		1-3	83%~3%		
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	2-3	99%~3%		1-3	94%~6%		1-3	94%~6%		
Schneider	SBD315RC (SBD 315)	[RC]	315 W	2-3	98%~3%		1 - 3	83%~3%		1-3	83%~3%		
VADSBO	ED 350	[RC]	50 ~ 350 W	1-3	98%~3%		1 - 3	91%~9%		1 - 3	91%~9%		
VADSBO	DRS 315	[RC]	50 ~ 315 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
VADSBO	DU 250	[RC]	20 ~ 250 W	1-3 2-3	84%~3% 97%3%		1 - 3 1 - 3	87%~3% 93%~3%		1-3 1-3	87%~3%		
Varilight Varilight	HQ3W ICT401 M	[R] [RC]	60 - 400 W 20 - 400 W	2 -3 1 -3	97%~3% 75%~3%		1 - 3 1 - 3	93%~3% 87%~3%		1 - 3 1 - 3	93%~3% 87%~3%		
Vimar	20148	[RL]	500 W	1-3	98%~3%		1-3	95%~3%	<2	1-3	95%~3%	<2	
Vimar	14153	[R]		1-3	89%~3%		1-3	98%~3%		1-3	98%~3%		
Vimar	20160	[RC]		1-3	91%~3%		1 - 3	92%~3%		1 - 3	92%~3%		
Vimar	20162	[RL]	40 ~ 300 W	1-3	98%~3%		1-3	97%~3%	<2	1-3	97%~3%	<2	
Dynalite	DDLE801		(100 W per channel)	3	91%~3%		1-3	89%~3%		1-3	89%~3%		
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	1-3	90%~3%		1 - 3	91%~3%		1 - 3	91%~3%		

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	LEDcandle/luster													
	Master	r LEDCandle / LI	EDlustre	Master	r LEDCandle / LE			Master LEDCand	e	Classic LED filament candle/lustre				
		DimTone 4-25W			DimTone 6-40W			DimTone 8-60W		B35 3W-25W clear P45 3W-25W clear				
	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing		
ım	2-18	96%~3%		2-12	93%~3%		2-12	90%~3%		2 -8	99%~3%			
um	2-20	89%~3%		2-13	89%~3%		T.B.D.	T.B.D.	T.B.D.	2 -8	99%~3%			
		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		
um	2-20	92%~3%		2-13	92%~3%		T.B.D.	T.B.D.	T.B.D.	2 - 8	99%~12%			
urn	2-25	91%~3%		2-17	91%~3%		T.B.D.	T.B.D.	T.B.D.	2 - 8	99%~3%			
ĩum	2-30	88%~3%		2-20	93%~3%		2-15	92%~3%		3 - 8	99%~3%			
ūrn ED – Turn	2-21	94%~3%		2-14 2-17	91%~3%		2-14	91%~3%		2 - 8	99%~3%			
	2-20	84%~3%	<4	2-17	83%~3%	- 6	2-15	88%~3%		2 - 6	99%~3%			
D – Push (2wire) 4 ~ 400W (RL)	2-20 2-20	88%~7% 95%~3%	14	2-17 2-13	88%~5% 92%~3%	< 6	2-17 2-13	99%~3% 90%~3%		2 - 20 2 - 8	97%~3% 99%~3%			
4 - 400W (I(L)	2-15	88%~3%		2-13	87%~0%		2-11	90%~3%		3 - 8	99%~3%			
	2-20	91%~3%		2-14	90%~3%		T.B.D.	T.B.D.	T.B.D.	3 - 8	99%~3%			
ush Module	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-13	99%~3%		2 - 16	96%~3%			
4 ~ 400 W (RL)	2-20	95%~3%		2-13	92%~3%		2-13	90%~3%		2 - 8	99%~3%			
	2-15	88%~3%		2-11	87%~0%		2-11	90%~3%		3 - 8	99%~3%			
	2-20	91%~3%		2-14	90%~3%		T.B.D.	T.B.D.	T.B.D.	3 - 8	99%~3%			
	2-20	95%~7%	<7	2-14	95%~5%	< 9	2-14	99%~4%		2 - 17	97%~3%			
(3wire)	2-25	94%~3%		2-17	92%~3%		T.B.D.	T.B.D.	T.B.D.	2- 8	99%~19%			
		95%~4%	<7	2-10	96%~3%	< 10	2-10	99%~3%		2 - 12	96%~3%			
		95%~4%	<7	2-10	95%~3%	< 10	2-10	99%~3%		2 - 12	96%~3%			
		95%~7%	<7	2-17	96%~4%	< 11	2-10	99%~3%		2 - 20	96%~3%			
n	2-26	89%~3%		2-18	89%~3%		2-10	89%~3%		2 -8	99%~3%			
(3wire)	2-25	93%~4%		2-17	92%~3%		2-15	90%~3%		2 - 8	99%~3%			
		78%~7%	<6	2-4	77%~4%	< 5	2-4	88%~3%		2 - 5	93%~4%			
Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-10	94%~3%		2 - 12	96%~3%			
'n		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	3 -8	99%~3%			
	2-20	95%~4%	<7	2-13	93%~4%	< 9	2-13	99%~3%	NI A	2 -16	95%~3%			
n n		N.A.	N.A.		N.A. N.A.	N.A.	T.B.D.	N.A. T.B.D.	N.A. T.B.D.	3 -8 3 -8	99%~3% 99%~3%			
<u> </u>		N.A.	N.A.		N.A.	N.A.	2-5	87%~3%	Т.В.D.	2 -16	95%~3%			
sh LED (3wire)		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	2 -8	99%~3%			
sh LED (3wire)	2-15	94%~3%		2-10	91%~3%	11015	2-10	95%~3%		2 -8	99%~3%			
		79%~4%		8-17	79%~4%		3-17	90%~3%		3 -20	95%~3%			
4 ~ 400 W (RL)	2-20	95%~3%		2-13	92%~3%		2-13	90%~3%		2 - 8	99%~3%			
	2-15	88%~3%		2-11	87%~3%		2-11	90%~3%		3 - 8	99%~3%			
	2-20	91%~3%		2-14	90%~3%		T.B.D.	T.B.D.	T.B.D.	3 - 8	99%~3%			
rn	2-23	79%~3%		2-15	77%~3%		2-15	80%~3%		3 - 8	99%~3%			
ırn	2-25	88%~3%		2-17	87%~3%		2-15	80%~3%		3 - 8	99%~3%			
		83%~3%		2-7	82%~3%		2-7	90%~3%		3 - 9	96%~3%			
		83%~3%			N.A.	N.A.	2-13	84%~3%		8 - 16	96%~3%			
	2-5	96%~5%		2-3	96%~4%		2-3	99%~3%		2 - 4	94%~3%			
5 ~ 60W		82%~7%		2-4	82%~5%		2-4	89%~3%		2 - 5	96%~3%			
- Push (3wire)	2-20	84%~3%		2-17	83%~3%		2-15	88%~3%		2 - 6	99%~3%			
	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-3	99%~4%		2 - 4	96%~3%			
	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-3	96%~3%		2.0	N.A.	N.A.		
	2-15	88%~3%		2-11	87%~3%		2-11	90%~3%		3 - 8	99%~3%			
rn Universal (2wiro)	2-15	88%~3% 95%~3%		2-11 2-13	87%~3% 92%~3%		2-11 2-13	90%~3%		3 - 8 2 - 8	99%~3% 99%~3%			
rn Universal (2wire)	2-20 2-15	95%~3% 88%~3%		2-13	92%~3%		2-13	90%~3% 90%~3%		2 - 8	99%~3% 99%~3%			
	2-15	88%~7%		2-11	84%~4%		2-11	90%~3%		2 - 14	95%~3%			
	4-16	89%~4%		5-11	91%~4%	< 12	3-11	80%~3%		3 - 13	95%~3%			
	. 10	86%~3%			79%~3%	12	2-8	85%~3%			85%~3%			

Brand	Туре	Туре	Load
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn
Berker INSTA	283010	[R]	60 ~ 400 W - Turn
Bticino	L4407	0	60 ~ 250 W
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA - LED - Push (2wire)
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W
Eltako	EVD61NPN-UC		400 W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)
Feller Schneider	40300 (SBD315)	[RLC]	300 W
Feller Schneider	40420 (SBD420)	[RLC]	420 W
GIRA	1176-00/01	[RLC]	50 ~ 420 W
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)
	EVN 011	[RC]	300 VA
Hager Hager	EVN 012	[RC]	300 W
_			
Hager	EVN 004	[RL]	500 VA
Jung	225 TDE	[RC]	20 ~ 525 W - Turn
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED]	3~24W
Klik aan Klik uit	ACM 300	(5)	300W - 3-wire Push LED Dimmer
Legrand	774161	[RL]	40 ~ 400 W - Turn
Legrand	78401	[RLC]	40 ~ 500W
Legrand	67081	[RL]	40 ~ 400 W - Turn
Legrand	67082	[RL]	40 ~ 600 W - Turn
Legrand	67083	[RLC]	3 ~ 400W
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R]	60 ~ 500 W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA
MK - Electric	K1535	[R]	65 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC]	180 W
MK - Electric	K4500 WHILV	[RLC]	400 W
NIKO	310-0280X	[LED]	2 ~ 100 VA
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)
RELCO	RP0977	[LED]	4 - 100W
RELCO	RM0545	[LED]	4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC]	315 W
VADSBO	ED 350	[RC]	50 ~ 350 W
VADSBO	DRS 315	[RC]	50 ~ 315 W
		i	

VADSBO	DU 250	[RC]	20 ~ 250 W	2-13	86%~3%		2-8	79%~3%	< 8	2-8	85%~3%		2 - 10	85%~3%	
Varilight	HQ3W	[R]	60 - 400 W	2-20	91%~3%		2-13	90%~3%		2-13	90%~3%		3 -8	99%~3%	
Varilight	ICT401 M	[RC]	20 - 400 W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-13	88%~3%		3 -16	90%~3%	
Vimar	20148	[RL]	500 W	6-25	90%~3%	<6	4-17	92%~3%	<4	T.B.D.	T.B.D.	T.B.D.	2 - 8	99%~3%	<2
Vimar	14153	[R]		2-20	99%~3%		2-17	96%~3%	< 7	2-17	93%~3%		5 -20	96%~3%	
Vimar	20160	[RC]			89%~3%		2-10	89%~3%	< 11	2-17	96%~3%		2 -20	96%~3%	
Vimar	20162	[RL]	40 ~ 300 W	6-15	92%~3%	<6	4-10	86%~3%	<4	T.B.D.	T.B.D.	T.B.D.	2 - 8	99%~3%	<2
Dynalite	DDLE801		(100 W per channel)	2-20	89%~3%		2-17	91%~3%		T.B.D.	T.B.D.	T.B.D.	5 -8	94%~3%	
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	2-20	92%~3%		2-15	91%~3%		T.B.D.	T.B.D.	T.B.D.	2 -8	95%~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.
- 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. #3)
- #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming
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Recommended **dimmer** compatibility list for **Mains Voltage** Lamps



KEY

Unexpected performance behavior, not in line with good dimming perception must be treated attempted to private the second se	
Unexpected performance behavior, not in line with good dimming perception attempted to per generated in lab	t is for information purposes and ed as recommendation. Philips
N A Dimmer Jamp combination not applicable	provide best results, results are
Juuits	ab conditions and might contain
T.B.D. Dimmer lamp combination not tested	

				LED special									
					LED capsule			Corepro R7s 118mm		Corepro LEDlinear R7s 118mm			
					G9 2.5W - 25W			D 14W - 100W			D 14 - 120		
								a 19					
					T								
				Dimming Performance			ance			ance			
				iorma	Dimming Range	Glowing	Dimming Performa	Dimming Range	Glowing	Dimming Performar	Dimming Range	Glowing	
Brand	Туре	Туре	Load	Dim Perf	Dim Ran	Glo	Dim	Dim Ran	Glor	Dim	Dim Ran	Glo	
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	3-20	96%~27%		1	89%~8%		1	94%~21%		
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	3-20	86%~23%		1	94%~3%		1	97%~16%		
Bticino Busch Jaeger ABB	L4407 2200 U - 503	[] [R]	60 ~ 250 W 60 ~ 400 W - Turn	3-20	N.A. 85%~33%	N.A.	T.B.D.	T.B.D. 91%~23%	T.B.D.	1	N.A. 98%~27%	N.A.	
Busch Jaeger ABB	2247 U	[RL]	20 ~ 500 W - Turn	3-20	83%~9%		1	93%~3%		1	96%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	3-20	87%~6%		1	96%~3%		1	95%~15%		
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	3-20	98%~24%		1	93%~7%		1	97%~23%		
Busch Jaeger ABB	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) 4 ~ 200W (RC) 4 ~ 400W (RL)	3-20	97%~23%	< 7	T.B.D.	T.B.D.	T.B.D.	1	96%~15%		
ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[LED/RC]	4 ~ 200W (RC) 4 ~ 400W (RL) 315 W	3-20 3-20	96%~30% 95%~9%		1	88%~10% 89%~3%		1	94%~21% 93%~4%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420 W		N.A.	N.A.	1	93%~3%			N.A.	N.A.	
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	3-20	99%~15%		T.B.D.	T.B.D.	T.B.D.	1 - 3	97%~7%		
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL)	3-20	96%~30%		1	88%~10%		T.B.D.	T.B.D.	T.B.D.	
Feller Schneider	40300 (SBD315)	[RLC]	300 W	3-20	95%~9%		1	89%~3%		1	93%~4%		
Feller Schneider GIRA	40420 (SBD420) 1176-00/01	[RLC] [RLC]	420 W 50 ~ 420 W	3-20	N.A. 96%~39%	N.A. < 12	1 T.B.D.	93%~3% T.B.D.	T.B.D.	1-3	N.A. 93%~25%	N.A.	
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	3-18	91%~15%	× 12	1.6.0.	89%~4%	1.6.0.	1	92%~10%		
Hager	EVN 011	[RC]	300 VA	3-20	98%~18%	< 14	T.B.D.	T.B.D.	T.B.D.	1 - 3	95%~16%		
Hager	EVN 012	[RC]	300 W	3-20	99%~28%	< 14	T.B.D.	T.B.D.	T.B.D.	1 - 3	97%~17%		
Hager	EVN 004	[RL]	500 VA	3-20	99%~28%	< 15	T.B.D.	T.B.D.	T.B.D.	1-3	99%~18%		
Jung Jung	225 TDE 1271LEDDE	[RC] [LED]	20 ~ 525 W - Turn 3 ~ 100W - Push (3wire)	3-20 3-20	96%~33% 94%~3%		1	90%~10% 90%~3%		1	94%~23% 93%~9%		
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	3-10	86%~3%	< 11	T.B.D.	T.B.D.	T.B.D.		84%~30%		
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	3-20	33%~3%	< 10	T.B.D.	T.B.D.	T.B.D.		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	T.B.D.	T.B.D.	T.B.D.	1-3	97%~11%		
Legrand Legrand	67081 67082	[RL] [RL]	40 ~ 400 W - Turn 40 ~ 600 W - Turn		N.A. N.A.	N.A. N.A.		N.A. N.A.	N.A.	1	93%~30% 92%~11%		
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.		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	[R]	60 ~ 500 W		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	1	87%~22%		
Merten Schneider Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W (RC) 4 ~ 400 W (RL) 315 W	3-20	96%~30%		1	88%~10%		T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	
Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC] [RLC]	20 ~ 420 VA	3-20	95%~9% N.A.	N.A.	1	89%~3% 93%~3%		T.B.D.	T.B.D.	T.B.D.	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	3-20	72%~19%		1	82%~10%		1	81%~15%	HDID!	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	3-10	82%~17%		1	88%~6%		1	89%~12%		
MK - Electric	K4501 WHILV	[RLC]	180 W		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	1-3	90%~12%		
MK - Electric	K4500 WHILV	[RLC]	400 W	2.0	N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	1-3	90%~13%		
NIKO PEHA	310-0280X 431HAN	[LED] [RL]	2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	3-9 3-10	98%~8% 76%~4%		T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	1 1-2	98%~3% 85%~4%		
PERA	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	3-20	92%~3%		1.8.0.	88%~3%	1.0.0.	T.B.D.	T.B.D.	T.B.D.	
RELCO	RP0977	[LED]	4 - 100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1	97%~27%		
RELCO	RM0545	[LED]	4 - 100W	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1	89%~10%		
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	3-20	95%~9%		1	89%~3%		T.B.D.	T.B.D.	T.B.D.	
Schneider Schneider	SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[RC]	315 W 4 ~ 400 VA - Turn Universal (2wire)	3-20 3-20	95%~9% 96%~30%		1	89%~3% 88%~10%		T.B.D. T.B.D.	T.B.D. T.B.D.	T.B.D. T.B.D.	
Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[RC]	315 W	3-20	95%~9%		1	88%~10%		T.B.D.	T.B.D.	T.B.D.	
VADSBO	ED 350	[RC]	50 ~ 350 W	5-20	93%~34%		T.B.D.	T.B.D.	T.B.D.	1-3	99%~22%		
VADSBO	DRS 315	[RC]	50 ~ 315 W		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.		N.A.	N.A.	
VADSBO	DU 250	[RC]	20 ~ 250 W	3-20	92%~14%	<21	T.B.D.	T.B.D.	T.B.D.	1 - 3	82%~5%	<2	
Varilight	HQ3W	[R]	60 - 400 W	3-20	85%~14%	- 11	1	93%~3%	TRE	1	95%~6%		
Varilight Vimar	ICT401 M 20148	[RC] [RL]	20 - 400 W 500 W	3-20	85%~14% N.A.	< 11 N.A.	T.B.D. 1	T.B.D. 94%~4%	T.B.D.	1-3 1	85%~2% 95%~12%		
Vimar	14153	[R]		3-20	98%~3%	<10	T.B.D.	T.B.D.	T.B.D.	1-3	96%~3%		
Vimar	20160	[RC]			N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	1 - 3	95%~6%	<2	
Vimar	20162	[RL]	40 ~ 300 W	3-20	96%~18%	<21	1	90%~5%		1	94%~15%		
Dynalite	DDLE801		(100 W per channel)	3-20	97%~3%		1	88%~3%		1	97%~3%		
Dynalite	DDMC-GRMSPLUS		(460 W per channel)	3-20	97%~3%			91%~3%			99%~3%		

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09/2017 Data subject to change.