

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	This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are generated in lab conditions and might contain faults			
	Unexpected performance behavior, not in line with good dimming perception				
N.A.	Dimmer lamp combination not applicable				
T.B.D.	Dimmer lamp combination not tested				

				MASTER LEDspot MV DimTone 4–35 W GU10				STER LEDspot DimTone 4.5-50 W GU10	мv		r LEDspot class DimTone 4.5-35W GU10		Master LEDspot classic MV DimTone 5-50W GU10		
				7						70 may 1			Process		
				Dimming Performance	ning ;e	ving	Dimming Performance Dimming Range Glowing			Dimming Performance Dimming Range Glowing			Dimming Performance Dimming Range Glowing		
Brand	Туре	Туре	Load	Dimr Perf	Dimmir Range	Glowing	Dimr Perf	Dimr	Glowing	Dimr Perfe	Dimr Rang	Glow	Dimr Perfe	Dimmir Range	Glov
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2-18	99%~3%		2-16	91%~5%		2-18	92%~7%		2-13	92%~6%	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2-20	95%~5%		2-18	96%~4%		2-18	93%~5%		2-15	94%~4%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2-20	94%~6%		2-19	94%~4%		2-18	92%~6%		2-15	96%~5%	
Busch Jaeger ABB	2247 U 2250 U	[R]	60 ~ 400 W - Turn 20 ~ 500 W - Turn	2-20 2-20	94%~4%		2-19 2-19	95%~3%		2-20	92%~3% 91%~3%		2-18	96%~3% 97%~3%	
Busch Jaeger ABB Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	2-20	97%~5%		2-19	96%~3% 96%~5%		2-20 2-19	95%~6%		2-20 2-15	96%~6%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-20	93%~3%		2-19	92%~3%		2-20	89%~3%		2-18	93%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	2-20	91%~8%	< 8	2-20	89%~6%	< 8	2-20	96%~4%		2-18	97%~6%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	89%~6%		2-18	91%~6%		2-18	91%~7%		2-15	97%~4%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	2-16	92%~4%		2-14	92%~3%		2-14	92%~3%		T.B.D.	T.B.D.	T.B.D.
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	2-20	91%~3%		2-15	92%~3%		2-19	93%~3%		T.B.D.	T.B.D.	T.B.D.
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	2-20	95%~30%		T.B.D.	T.B.D.	T.B.D.	2-18	98%~3%		2-15	98%~4%	< 16
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-20	89%~6%	T.B.D.	2-18	91%~6%	T.B.D.	2-18	91%~7%		2-15	97%~4%	
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-20	95%~8%	< 11	2-19	94%~6%	< 11	2-19	96%~10%		2-15	95%~8%	
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	6-20	90%~3%	< 7	6-19	90%~3%	< 7	2-15	96%~6%	40	2-16	91%~4%	- 10
Hager	EVN 011 EVN 012	[RC]	300 W	2-20 2-15	98%~3% 96%~3%	< 16 < 16	2-20 2-13	96%~3% 96%~3%	< 14 < 13	2-13 2-13	98%~3%	< 12 < 12	2-11 2-11	98%~5%	< 12 < 12
Hager Hager	EVN 004	[RC]	300 W	2-15	96%~3%	< 16	2-13	96%~3%	< 15	2-13	98%~4% 98%~3%	< 12	2-11	97%~5% 97%~5%	× 12
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-20	93%~6%	110	2-19	93%~6%	115	2-20	92%~7%		2-16	93%~7%	
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	6-20	91%~9%	< 7	5-19	91%~8%	< 6	2-20	89%~11%		2-16	91%~3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	2-6	84%~3%					2-5	88%~3%			N.A.	N.A.
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.	2-13	90%~3%		2-11	91%~4%	
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	2-20	94%~4%	< 10	2-18	94%~3%	< 9	2-18	78%~3%	< 3	2-15	95%~3%	< 3
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400 W	2-20	93%~4%	< 5	10.10	91%~3%	< 4	2-3	90%~1%			N.A.	N.A.
Legrand	67084 67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire)	9-20 2-15	95%~3% 94%~3%	< 10	10-18 2-15	95%~4% 100%~3%	< 10	2-18	94%~4% N.A.	N.A.	2-11	N.A. 98%~3%	N.A.
Legrand Legrand	L4402N	[R]	60~500 W	10-20	88%~6%		6-20	85%~4%		10-20	N.A. 88%~4%	N.A.	5-18	88%~7%	
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200 W(RC) 4~400W(RL)	2-20	89%~6%		2-18	91%~6%		2-18	91%~7%		2-15	97%~4%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	2-16	92%~4%		2-14	92%~3%		2-14	92%~3%		T.B.D.	T.B.D.	T.B.D.
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2-20	91%~3%		2-15	92%~3%		2-19	93%~3%		T.B.D.	T.B.D.	T.B.D.
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-20	80%~4%		2-19	81%~3%		2-20	83%~4%		2-16	84%~5%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-20	85%~4%		2-19	87%~3%		2-20	88%~4%		2-16	89%~5%	
MK - Electric	K4501 WHILV	[RLC]			86%~4%		2-10	85%~3%		2-10	90%~2%		2-9	90%~4%	
MK - Electric	K4500 WHILV	[RLC]			86%~4%		2-14	85%~3%		2-14	89%~2%		2-15	89%~4%	
NIKO	310-0280X	[LED]	2~100 VA	2-5	99%~6%		2-4	96%~4%		2-4	97%~3%		2-4	99%~2%	
PEHA Philips	431HAN UID8670	[RL]	6 ~ 120 W [LED] 6 ~ 60 W 2 ~ 100 VA-LED - Push (3wire)	2-6 2-20	86%~6% 93%~3%		2-5 2-19	85%~6% 92%~3%		2-5 2-20	90%~3% 89%~3%		2-4 2-18	88%~3% 93%~3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	2-20	93%~3%		2-19	92%~3%		2-20	92%~3%		T.B.D.	93%~3% T.B.D.	T.B.D.
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	2-16	92%~4%		2-14	92%~3%		2-14	92%~3%		T.B.D.	T.B.D.	T.B.D.
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	2-20	89%~6%		2-18	91%~6%		2-18	91%~7%		2-15	97%~4%	
Schneider	SBD315RC (SBD 315)	[RC]	315 W	2-16	92%~4%		2-14	92%~3%		2-14	92%~3%		2-11	92%~3%	
VADSBO	ED 350	[RC]	50 ~ 350 W	2-18	89%~8%		2-16	87%~6%		2-16	92%~6%		2-13	91%~8%	
VADSBO	DRS 315	[RC]	50 ~ 315 W	2-16	94%~5%		2-14	94%~4%		8-14	95%~4%	< 15	3-11	93%~6%	< 12
VADSBO	DU 250	[RC]	20 ~ 250 W	2-13	98%~4%		2-11	84%~4%		2-11	89%~3%	< 12	2-9	85%~3%	< 10
Varilight	HQ3W	[R]		2-20	93%~4%		2-18	96%~3%		3-18	91%~3%		2-15	96%~3%	
Vimar	20148	[RL]	500 W		N.A.	N.A.		N.A.	N.A.	2-20	93%~4%	< 4	2-16	95%~4%	< 17
Vimar	14153	[R]		2-20	98%~3%	< 10	2-20	96%~3%	< 10	2-20	98%~3%	-14	2-18	99%~3%	- 17
Vimar Vimar	20160	[RC]	40 ~ 300 W	2-15	93%~4% N.A.	N.A.	2-13	91%~3% N.A.	N.A.	2-13 2-13	94%~1% 91%~3%	< 14 < 10	2-18 2-11	96%~3% 90%~4%	< 17 < 12
Dynalite	DDLE801	[]	(per channel)	2-20	93%~3%	1175	2-20	91%~3%	ALTS:	T.B.D.	T.B.D.	T.B.D.	5-16	92%~3%	12
Dynalite	DDMC-GRMSPLUS		(per channel)	2-20	94%~3%		2-20	94%~3%		T.B.D.	T.B.D.	T.B.D.	2-16	92%~3%	
			1												

Note

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
- #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
 #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming.
- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems). #4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%.
- #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.
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Recommended dimmer compatibility list for Mains Voltage Lamps

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	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			
TRD	Dimmer Jame combination not tested				

				LE							.ED spot						
				CI	lassic LED spot I 4.4-35 W GU10			assic LED spot I 5.5-50 W GU10			ER LEDspot MV 3.5-35 W GU10	Value	MASTER LEDspot MV Value 4.3-50 W GU10				
								Restrict									
					18 18			90 W			A-A			4-3			
				Dimming Performance	ming ge	Glowing	Dimming Performance	ming ge	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	ming ge	Glowing		
Brand	Туре	Туре	Load	Dim Perf	Dimmin	Glov	Dim Perf	Dimmin Range	Glov	Dim Perf	Dim Ran	Glov	Dim Perf	Dimmin Range	Glov		
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2-20	91%~25%		2-15	85%~19%		2-21	92%~22%		2-10	90%~20%			
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2-20	95%~24%		2-15	88%~19%		2-23	95%~14%		2-10	94%~8%			
Bticino Busch Jaeger ABB	L4407 2200 U - 503	[] [R]	60 ~ 250 W 60 ~ 400 W - Turn	2-18	N.A. 93%~19%	N.A.	2-15	N.A. 89%~17%	N.A.	2-23	N.A. 95%~17%	N.A.	2-10	N.A. 94%~16%	N.A.		
Busch Jaeger ABB	2247 U	[R]	60 ~ 400 W - Turn	2-16	93%~19%		2-13	97%~6%		2-23	95%~3%	12	2-10	92%~3%	\ 2		
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	2-20	96%~7%		2-20	98%~4%		2-34	95%~3%		2-10	92%~3%			
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	2-20	94%~23%		2-15	87%~20%		2-24	96%~22%		2-10	96%~20%			
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-20	90%~2%		2-20	93%~17%		2-20	90%~3%		2-10	92%~3%			
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	2-20	96%~24%		2-18	96%~18%		2-20	87%~33%	< 3	2-20	89%~29%			
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	92%~29%		2-15	85%~23%		2-23	91%~23%		2-10	88%~20%			
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	2-14	91%~6%		2-11	91%~5%		2-18	94%~5%		2-10	88%~3%			
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	2-19	94%~14%	. 10	2-15	97%~13%	-10	TDD	N.A.	N.A.	TDD	N.A.	N.A.		
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	[LED/RC]	400 W 3-wire Push Module 4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-14 2-20	99%~15%	< 19	2-15 2-15	99%~14% 85%~23%	< 16	T.B.D. 2-23	T.B.D. 91%~23%	T.B.D.	T.B.D. 2-10	T.B.D. 88%~20%	T.B.D.		
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-19	94%~36%		2-15	95%~32%		2-23	96%~31%		2-10	94%~27%			
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	2-13	97%~13%		2-18	90%~14%		2-29	91%~10%	< 2	2-10	92%~8%			
Hager	EVN 011	[RC]		2-14	97%~19%	< 6	2-11	97%~16%	< 12	2-17	96%~13%	< 3	2-14	98%~13%	< 2		
Hager	EVN 012	[RC]	300 W	2-14	98%~19%	< 5	2-11	97%~16%	< 12	2-17	98%~13%	< 3	2-14	98%~13%	< 7		
Hager	EVN 004	[RL]		2-20	98%~19%		2-18	97%~16%		2-20	98%~16%	< 19	2-20	98%~13%	< 8		
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-20	92%~26%		2-15	87%~22%		2-30	94%~25%		2-10	92%~24%			
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	2-20	93%~37%		2-20	88%~35%		2-29	91%~38%	< 2	2-10	92%~36%			
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	2-5	88%~3%		2-4	87%~37%		2-7	84%~29%	< 3	2-6	81%~28%	< 7		
Klik aan Klik uit	ACM 300 774161	[RL]	300W - 3-wire Push LED Dimmer 40 ~ 400 W - Turn	2-14	93%~3% N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	T.B.D. 3-10	T.B.D. 92%~8%	T.B.D.		
Legrand Legrand	78401	[RLC]	40 ~ 500W	2-18	96%~3%	N.A.	2-15	92%~16%	N.A.	2-20	93%~13%	N.A.	2-19	93%~13%	× 4		
Legrand	67081	[RL]	40 ~ 400 W - Turn	2 10	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-10	96%~16%			
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 ~ 400 W	2-3	89%~12%			N.A.	N.A.			N.A.		89%~10%			
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-18	98%~20%		2-15	88%~15%		2-23	90%-6%	< 4	2-10	88%~3%	< 5		
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)		N.A.	N.A.	2-11	99%~3%		2-17	97%~3%		2-10	96%~3%			
Legrand	L4402N	[R]	60~500 W	8-20	91%~30%		3-18	86%~28%		10-20	84%~24%		5-20	83%~25%			
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W(RC) 4~400W(RL)	2-20	92%~29%		2-15	85%~23%		2-23	91%~23%		2-10	88%~20%			
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC]	315 W 20 ~ 420 VA	2-14 2-19	91%~6%		2-11 2-15	91%~5% 97%~13%		2-18	94%~5% N.A.	N.A.	2-10	88%~3% N.A.	N.A.		
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	3-20	85%~20%		2-15	77%~15%		2-26	N.A. 83%~12%	N.A.	2-10	80%~14%	N.A.		
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	3-20	89%~19%		2-18	81%~17%		2-10	88%~14%		2-10	86%~14%			
MK - Electric	K4501 WHILV	[RLC]		3-10	89%~19%		2-8	90%~19%		3-13	87%~13%		2-10	85%~13%			
MK - Electric	K4500 WHILV	[RLC]		3-15	90%~20%		2-15	88%~19%			87%~13%		2-15	85%~13%			
NIKO	310-0280X	[LED]	2 ~ 100 VA	2-5	97%~8%		2-4	97%~7%		2-6	98%~24%		2-5	97%~23%			
PEHA	431HAN	[RL]	6 ~ 120 W [LED] 6 ~ 60 W	2-5	89%~10%		2-4	87%~10%		2-7	87%~31%		2-6	85%~29%			
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	90%~3%		2-20	93%~17%		2-20	90%~3%		2-10	92%~3%			
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	2-14 2-14	91%~6%		2-11	91%~5% 91%~5%		2-18	94%~5%		2-10	88%~3%			
Schneider Schneider	SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[RC]	315 W 4 ~ 400 VA - Turn Universal (2wire)	2-14	91%~6%		2-11 2-15	85%~23%		2-18 2-23	94%~5% 91%~23%		2-10 2-10	88%~3% 88%~20%			
Schneider	SBD315RC (SBD 315)	[RC]	315	2-14	91%~6%		2-11	91%~5%		2-18	94%~5%		2-10	88%~3%			
VADSBO	ED 350	[RC]	50 ~ 350 W	2-16	93%~34%		2-13	88%~29%		2-20	91%~29%		2-15	88%~27%			
VADSBO	DRS 315	[RC]	50 ~ 315 W	8-14	95%~24%	< 15	3-11	97%~21%	< 12	10-18	93%~20%		2-15	93%~17%	< 11		
VADSBO	DU 250	[RC]	20 ~ 250 W	2-11	89%~11%	< 12	2-9	89%~9%	< 10	2-14	89%~20%		2-12	83%~8%	< 11		
Varilight	HQ3W	[R]		2-18	98%~14%		2-15	88%~8%		2-23	92%~8%		2-10	92%~6%			
Vimar	20148	[RL]	500 W	2-20	94%~17%		2-18	88%~16%	< 4	2-29	95%~16%	< 30	3-10	92%~8%	< 11		
Vimar	14153	[R]		2-20	98%~3%		2-18	97%~9%			98%~3%		2-20	98%~3%			
Vimar	20160	[RC]	40 ~ 300 W	2-14	94%~13%	< 15	2-18	94%~12%	< 19	2-17	91%~9%	c 10	2-14	92%~8% 88%~8%	< 11		
Vimar Dynalite	20162 DDLE801	[RL]	(per channel)	3-13 T.B.D.	93%~14% T.B.D.	T.B.D.	2-11 2-18	84%~11% 88%~9%	< 4	2-17 2-20	91%~13% 91%~9%	< 18	2-10 2-20	88%~8%	< 11		
Dynalite	DDMC-GRMSPLUS		(per channel)	T.B.D.	T.B.D.	T.B.D.	2-16	90%~3%		2-20	93%~4%		2-20	97%~4%			
	1				1												

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





Recommended dimmer compatibility list for Mains Voltage Lamps

KEY

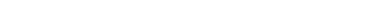
x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance				
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load	This document is for information purposes and must be treated as recommendation. Philips			
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are			
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults			
TRD	Dimmer Jamp combination not tested				

							LED spot										
					ASTER LEDspot			STER LEDspot			STER LEDspot			ASTER LEDspot I			
				4-	35 W GU10 CRI	90	5.4	1-50 W GU10 CI	RI9	5	5.5-50 W PAR20	O	9.5-75 W PAR30S				
					1												
													*				
				e e			9			9			9				
				ing	e e	Bu	in griman	e .	8	ing	8	Bu	ing	8	8		
	1_	1_	I	Dimming Performan	Dimmi Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performar	Dimmir Range	Glowing		
Brand	Type	Type	Load			U			U			U			o o		
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2-18	91%~3%		2-13	93%~3%		3-13	86%~3%		1-8	92%~9%			
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2-20	93%~3%	NI A	2-15	96%~3%	NI A	3-15	88%~3%	TDD	1-9	95%~10%	NI A		
Bticino	L4407	[]	60 ~ 250 W	2.20	N.A.	N.A.	2.15	N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	2.5	N.A.	N.A.		
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn 60 ~ 400 W - Turn	2-20	92%~3%		2-15	97%~3%		3-15	90%~10%		2-5	95%~18% 94%~3%			
Busch Jaeger ABB	2247 U 2250 U	[R]	20 ~ 500 W - Turn	2-25 2-30	93%~3% 95%~3%		2-19 2-22	97%~3% 98%~3%		3-18 3-22	89%~3% 90%~3%		1-12 1-10	94%~3%			
Busch Jaeger ABB Busch Jaeger ABB	6513 U - 102	[RL] [R]	40 ~ 420 W - Turn	2-30	95%~3%		2-22	98%~3% N.A.		3-22	90%~3%		1-10	98%~3%			
		1			90%~3%		2-19										
Busch Jaeger ABB Busch Jaeger ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	2-20 2-20	89%~3%		2-19	92%~3% 88%~9%		3-18 T.B.D.	85%~3% T.B.D.	T.B.D.	1-20 2-12	95%~3% 95%~9%			
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	90%~3%		2-19	93%~3%		3-15	88%~3%	1.6.0.	1-9	93%~12%			
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	2-20	90%~3%		2-15	93%~3% 89%~3%		3-15	90%~3%		1-7	93%~12%			
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	2 13	N.A.	N.A.	2 12	N.A.	N.A.	3-11	90%~3%		1-10	94%~4%			
Eltako	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.	T.B.D.	T.B.D.	T.B.D.	2-9	98%~4%			
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-20	90%~3%	1.5.5.	2-15	93%~3%	7.0.0.	3-15	88%~3%	1.5.5.	T.B.D.	T.B.D.	T.B.D.		
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-20	93%~3%		2-16	91%~3%		T.B.D.	T.B.D.	T.B.D.	2-10	95%~15%			
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	2-25	90%~3%		2-19	94%~3%		3-18	90%~21%	110101	1-12	95%~3%			
Hager	EVN 011	[RC]		2-15	93%~3%		2-11	97%~3%		T.B.D.	T.B.D.	T.B.D.	2-7	97%~6%			
Hager	EVN 012	[RC]	300 W	2-15	93%~3%		2-11	97%~3%		T.B.D.	T.B.D.	T.B.D.	2-7	96%~6%			
Hager	EVN 004	[RL]		2-20	93%~3%		2-19	97%~3%		T.B.D.	T.B.D.	T.B.D.	2-12	97%~6%			
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-26	92%~3%		2-19	95%~3%		3-19	85%~3%		2-12	93%~11%			
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	2-25	90%~3%		2-19	95%~18%		3-18	90%~21%		1-12	95%~3%			
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	2-6	86%~3%		2-4	85%~3%		T.B.D.	T.B.D.	T.B.D.	2-3	90%~19%			
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-7	75%~3%			
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	1-9	97%~7%			
Legrand	78401	[RLC]	40 ~ 500W	2-20	89%~3%		2-15	91%~3%		T.B.D.	T.B.D.	T.B.D.	2-9	93%~5%			
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	1-7	98%~7%			
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	1-2	97%~7%			
Legrand	67083	[RLC]	3 ~ 400 W		89%~3%			89%~3%		T.B.D.	T.B.D.	T.B.D.	2-9	92%~3%			
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)		N.A.	N.A.		N.A.	N.A.	3-15	90%~3%		1-9	94%~5%			
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-15	98%~3%			N.A.		3-11	95%~3%		1-7	98%~2%			
Legrand	L4402N	[R]	60~500 W	4-20	82%~3%			85%~3%		T.B.D.	T.B.D.	T.B.D.		N.A.	N.A.		
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W(RC) 4~400W(RL)	2-20	90%~3%		2-15	93%~3%		3-15	88%~3%		1-9	93%~12%			
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	2-16	90%~3%		2-12	89%~3%		3-11	90%~3%		1-7	92%~3%			
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.	3-15	90%~3%		1-10	94%~4%			
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-23	80%~3%		2-17	83%~3%		3-16	83%~3%		1-11	80%~8%			
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-25	86%~3%		2-19	90%~3%		3-18	83%~3%		1-12	92%~7%			
MK - Electric	K4501 WHILV	[RLC]		2-11	86%~3%		2-18	85%~3%		T.B.D.	T.B.D.	T.B.D.	2-5	99%~28%			
MK - Electric	K4500 WHILV	[RLC]		2-16	86%~3%		2-12	85%~3%		T.B.D.	T.B.D.	T.B.D.	2-9	99%~28%			
NIKO	310-0280X	[LED]	2 ~ 100 VA	2-5	89%~3%		2-5	97%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.		
PEHA	431HAN	[RL]	6 ~ 120 W [LED] 6 ~ 60 W	2-10	82%~3%		2-4	88%~6%		T.B.D.	T.B.D.	T.B.D.	2-3	92%~3%			
								92%~3%		3-18	85%~3%		1-20	95%~3%			
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	90%~3%		2-19										
Schneider	UID8670 SBD315RC (SBD 315, SDD 315)	[LED]	315 W	2-16	90%~3%		2-12	89%~3%		3-11	90%~3%		1-7	92%~3%			
Schneider Schneider	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[LED] [RC] [RC]	315 W	2-16 2-16	90%~3% 90%~3%		2-12 2-12	89%~3% 89%~3%		3-11	90%~3%		1-7	92%~3%			
Schneider Schneider Schneider	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[LED] [RC] [RC]	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire)	2-16 2-16 2-20	90%-3% 90%-3% 90%-3%		2-12 2-12 2-15	89%~3% 89%~3% 93%~3%		3-11 3-15	90%~3% 88%~3%		1-7 1-9	92%~3% 93%~12%			
Schneider Schneider Schneider Schneider	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315)	[LED] [RC] [RC] [I] [RC]	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315	2-16 2-16 2-20 2-16	90%-3% 90%-3% 90%-3% 90%-3%		2-12 2-12 2-15 2-12	89%~3% 89%~3% 93%~3% 89%~3%		3-11 3-15 3-11	90%~3% 88%~3% 90%~3%		1-7 1-9 1-7	92%~3% 93%~12% 92%~3%			
Schneider Schneider Schneider Schneider VADSBO	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350	[LED] [RC] [RC] [I] [RC]	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W	2-16 2-16 2-20 2-16 2-18	90%-3% 90%-3% 90%-3% 90%-3%		2-12 2-12 2-15 2-12 2-13	89%~3% 89%~3% 93%~3% 89%~3%		3-11 3-15 3-11 T.B.D.	90%~3% 88%~3% 90%~3% T.B.D.	T.B.D.	1-7 1-9 1-7 2-8	92%~3% 93%~12% 92%~3% 90%~13%			
Schneider Schneider Schneider Schneider VADSBO VADSBO	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315	[LED] [RC] [RC] [I] [RC] [RC] [RC]	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W 50 ~ 315 W	2-16 2-16 2-20 2-16 2-18 6-16	90%-3% 90%-3% 90%-3% 90%-3% 86%-3%		2-12 2-12 2-15 2-12 2-13 2-12	89%~3% 89%~3% 93%~3% 89%~3% 88%~3% 94%~3%		3-11 3-15 3-11 T.B.D. T.B.D.	90%~3% 88%~3% 90%~3% T.B.D.	T.B.D.	1-7 1-9 1-7 2-8 2-7	92%~3% 93%~12% 92%~3% 90%~13% 94%~9%			
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250	[LED] [RC] [RC] [I] [RC] [RC] [RC] [RC] [RC]	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W	2-16 2-16 2-20 2-16 2-18 6-16 2-13	90%-3% 90%-3% 90%-3% 90%-3% 86%-3% 93%-3%		2-12 2-12 2-15 2-12 2-13 2-12 2-9	89%-3% 89%-3% 93%-3% 89%-3% 88%-3% 94%-3%		3-11 3-15 3-11 T.B.D. T.B.D.	90%~3% 88%~3% 90%~3% T.B.D. T.B.D.		1-7 1-9 1-7 2-8 2-7 2-6	92%-3% 93%-12% 92%-3% 90%-13% 94%-9% 82%-3%			
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W	[LED] [RC] [RC] [I] [RC] [RC] [RC] [RC] [RC] [RC] [RC]	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W 50 ~ 315 W 20 ~ 250 W	2-16 2-16 2-20 2-16 2-18 6-16 2-13 2-20	90%-3% 90%-3% 90%-3% 90%-3% 86%-3% 93%-3% 86%-3% 92%-3%		2-12 2-12 2-15 2-12 2-13 2-12 2-9 2-15	89%-3% 89%-3% 93%-3% 89%-3% 88%-3% 94%-3% 85%-3%		3-11 3-15 3-11 T.B.D. T.B.D. T.B.D.	90%-3% 88%-3% 90%-3% T.B.D. T.B.D. T.B.D.	T.B.D.	1-7 1-9 1-7 2-8 2-7 2-6 2-9	92%-3% 93%-12% 92%-3% 90%-13% 94%-9% 82%-3% 97%-6%			
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Vimar	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W 20148	[LED] [RC] [RC] [I] [RC] [RC] [RC] [RC] [RC] [RC] [RC] [RC	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W 50 ~ 315 W	2-16 2-16 2-20 2-16 2-18 6-16 2-13 2-20 3-25	90%-3% 90%-3% 90%-3% 90%-3% 86%-3% 93%-3% 86%-3% 92%-3%		2-12 2-12 2-15 2-12 2-13 2-12 2-9 2-15 2-19	89%-3% 89%-3% 93%-3% 89%-3% 88%-3% 94%-3% 95%-3% 97%-3%		3-11 3-15 3-11 T.B.D. T.B.D. T.B.D. 3-15 3-18	90%-3% 88%-3% 90%-3% T.B.D. T.B.D. T.B.D. 88%-3%	T.B.D.	1-7 1-9 1-7 2-8 2-7 2-6 2-9 1-12	92%-3% 93%-12% 92%-3% 90%-13% 94%-9% 82%-3% 97%-6% 95%-3%			
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Vimar	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W 20148 14153	[LED] [RC] [RC] [I] [RC] [RC] [RC] [RC] [RC] [RC] [RC] [RC	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W 50 ~ 315 W 20 ~ 250 W	2-16 2-16 2-20 2-16 2-18 6-16 2-13 2-20 3-25 2-20	90%-3% 90%-3% 90%-3% 90%-3% 86%-3% 93%-3% 86%-3% 92%-3% 93%-3%		2-12 2-15 2-15 2-12 2-13 2-12 2-9 2-15 2-19	89%-3% 89%-3% 93%-3% 89%-3% 88%-3% 94%-3% 95%-3% 97%-3%		3-11 3-15 3-11 T.B.D. T.B.D. T.B.D. 3-15 3-18 T.B.D.	90%-3% 88%-3% 90%-3% T.B.D. T.B.D. T.B.D. 88%-3% 89%-3% T.B.D.	T.B.D. T.B.D.	1-7 1-9 1-7 2-8 2-7 2-6 2-9 1-12 2-12	92%-3% 93%-12% 92%-3% 90%-13% 94%-9% 82%-3% 97%-6% 95%-3% 99%-3%			
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Vimar Vimar	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W 20148 14153 20160	[LED] [RC] [RC] [RC] [RC] [RC] [RC] [RC] [RC	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W 50 ~ 315 W 20 ~ 250 W	2-16 2-16 2-20 2-16 2-18 6-16 2-13 2-20 3-25 2-20 2-15	90%-3% 90%-3% 90%-3% 90%-3% 86%-3% 93%-3% 86%-3% 92%-3% 93%-3% 89%-3%		2-12 2-15 2-15 2-12 2-13 2-12 2-9 2-15 2-19 2-19 2-11	89%-3% 89%-3% 93%-3% 89%-3% 88%-3% 94%-3% 97%-3% 94%-3%		3-11 3-15 3-11 T.B.D. T.B.D. T.B.D. 3-15 3-18 T.B.D. 3-15	90%-3% 88%-3% 90%-3% T.B.D. T.B.D. T.B.D. 88%-3% 89%-3% T.B.D.	T.B.D.	1-7 1-9 1-7 2-8 2-7 2-6 2-9 1-12 2-12	92%-3% 93%-12% 92%-3% 90%-13% 94%-9% 82%-3% 97%-6% 95%-3% 99%-3% 93%-3%			
Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Vimar Vimar Vimar	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W 20148 14153 20160 20162	[LED] [RC] [RC] [I] [RC] [RC] [RC] [RC] [RC] [RC] [RC] [RC	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W 50 ~ 315 W 20 ~ 250 W 500 W	2-16 2-16 2-20 2-16 2-18 6-16 2-13 2-20 3-25 2-20 2-15 2-15	90%-3% 90%-3% 90%-3% 90%-3% 86%-3% 93%-3% 86%-3% 92%-3% 93%-3% 93%-3% 89%-3%		2-12 2-15 2-12 2-13 2-12 2-9 2-15 2-19 2-19 2-11 2-11	89%-3% 89%-3% 93%-3% 89%-3% 88%-3% 94%-3% 97%-3% 94%-3% 94%-3% 94%-3%		3-11 3-15 3-11 T.B.D. T.B.D. T.B.D. 3-15 3-18 T.B.D. 3-15 3-11	90%-3% 88%-3% 90%-3% T.B.D. T.B.D. T.B.D. 88%-3% 89%-3% T.B.D. 88%-3%	T.B.D. T.B.D. T.B.D.	1-7 1-9 1-7 2-8 2-7 2-6 2-9 1-12 2-12 2-12	92%-3% 93%-12% 92%-3% 90%-13% 94%-9% 82%-3% 97%-6% 95%-3% 99%-3% 93%-3% 92%-4%			
Schneider Schneider Schneider Schneider VADSBO VADSBO VAIlight Vimar Vimar	UID8670 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299) SBD315RC (SBD 315) ED 350 DRS 315 DU 250 HQ3W 20148 14153 20160	[LED] [RC] [RC] [RC] [RC] [RC] [RC] [RC] [RC	315 W 315 W 4 ~ 400 VA - Turn Universal (2wire) 315 50 ~ 350 W 50 ~ 315 W 20 ~ 250 W	2-16 2-16 2-20 2-16 2-18 6-16 2-13 2-20 3-25 2-20 2-15	90%-3% 90%-3% 90%-3% 90%-3% 86%-3% 93%-3% 86%-3% 92%-3% 93%-3% 89%-3%		2-12 2-15 2-15 2-12 2-13 2-12 2-9 2-15 2-19 2-19 2-11	89%-3% 89%-3% 93%-3% 89%-3% 88%-3% 94%-3% 97%-3% 94%-3%		3-11 3-15 3-11 T.B.D. T.B.D. T.B.D. 3-15 3-18 T.B.D. 3-15	90%-3% 88%-3% 90%-3% T.B.D. T.B.D. T.B.D. 88%-3% 89%-3% T.B.D.	T.B.D. T.B.D.	1-7 1-9 1-7 2-8 2-7 2-6 2-9 1-12 2-12	92%-3% 93%-12% 92%-3% 90%-13% 94%-9% 82%-3% 97%-6% 95%-3% 99%-3% 93%-3%			

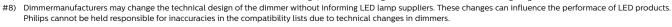
Note

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
- #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
 #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming.
- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems). #4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%.
- #4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%.
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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 performance of LED products.



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Recommended dimmer compatibility list for Mains Voltage Lamps

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	This document is for information purposes and must be treated as recommendation. Philips			
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are			
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults			
TRD	Dimmer Jamp combination not tested				

				LED spot										
					MASTER LEDspot MV 13-100 W PAR38		CorePro LED spot MV 5-60 W R50							
					(m)(m)									
					TOTAL		T T							
		ı		Dimming Performance	Dimming	Glowing	Dimming Performance	Dimming Range	Glowing					
Brand	Туре	Туре	Load						ซี					
Berker INSTA Berker INSTA	286710 283010	[RC]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	T.B.D.	T.B.D.	T.B.D.	2-10 2-10	90%~20%						
Bticino	L4407	[]	60 ~ 250 W	1-8	59%~3%	1.6.0.	2=10	N.A.	N.A.					
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	T.B.D.	T.B.D.	T.B.D.	2-10	94%~16%	< 2					
Busch Jaeger ABB	2247 U	[R]	60 ~ 400 W - Turn	T.B.D.	T.B.D.	T.B.D.	2-10	92%~3%						
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	T.B.D.	T.B.D.	T.B.D.	2-10	92%~3%						
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	T.B.D.	T.B.D.	T.B.D.	2-10	96%~20%						
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	T.B.D.	T.B.D.	T.B.D.	2-10	92%~3%						
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-8	97%~6%		1-16	95%~20%						
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4~400W(RL)	T.B.D.	T.B.D.	T.B.D.	2-10	88%~20%						
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	T.B.D.	T.B.D.	T.B.D.	2-10	88%~3% N. A	N/A					
ELKO Schneider Eltako	SBD420RCRL (CCTEL13011) EVD61NPN-UC	[RLC]	315 W 400 W 3-wire Push Module	T.B.D.	T.B.D.	T.B.D.	1-16	N.A. 97%~12%	N.A. <17					
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	T.B.D.	T.B.D.	T.B.D.	2-10	88%~20%	1/					
GIRA	1176-00/01	[RLC]	50 ~ 420 W	110.0.	N.A.	N.A.	1-16	94%~30%						
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	T.B.D.	T.B.D.	T.B.D.	2-10	92%~8%						
Hager	EVN 011	[RC]		1-5	100%~3%		1-12	97%~14%	< 13					
Hager	EVN 012	[RC]	300 W	1-5	100%~3%		1-12	96%~15%	< 13					
Hager	EVN 004	[RL]		1-8	100%~3%		1-16	97%~15%	< 3					
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	T.B.D.	T.B.D.	T.B.D.	2-10	92%~24%						
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	T.B.D.	T.B.D.	T.B.D.	2-10	92%~36%						
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	1-2	100%~6%		1-5	79%~31%						
Klik aan Klik uit	ACM 300	(DL)	300W - 3-wire Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	1-12	87%~14%						
Legrand Legrand	774161 78401	[RL]	40 ~ 400 W - Turn 40 ~ 500W	T.B.D.	T.B.D. 98%~3%	T.B.D.	3-10 1-16	92%~8% 95%~14%	< 4					
Legrand	67081	[RL]	40 ~ 400 W - Turn	T.B.D.	T.B.D.	T.B.D.	3-10	96%~16%						
Legrand	67082	[RL]	40 ~ 600 W - Turn	T.B.D.	T.B.D.	T.B.D.		N.A.	N.A.					
Legrand	67083	[RLC]	3 ~ 400 W	2-6	100%~3%		2-16	90%~12%						
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	T.B.D.	T.B.D.	T.B.D.	2-10	88%~3%	< 5					
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	T.B.D.	T.B.D.	T.B.D.	2-10	96%~3%						
Legrand	L4402N	[R]	60~500 W		N.A.	N.A.	2-16	95%~20%						
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200 W(RC) 4~400W(RL)	T.B.D.	T.B.D.	T.B.D.	2-10	88%~20%						
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	T.B.D.	T.B.D.	T.B.D.	2-10	88%~3%						
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	T.B.D.	T.B.D.	T.B.D.	2.10	N.A.	N.A.					
MK - Electric MK - Electric	K1535 K1501 WHILV	[R]	65 ~ 450 W - Turn 60 ~ 500 W - Turn	T.B.D.	T.B.D.	T.B.D.	2-10 2-10	80%~14% 86%~14%						
MK - Electric	K4501 WHILV	[RLC]	Jos Joon Tulli	1-3	98%~3%	1.0.0.	1-9	90%~17%						
MK - Electric	K4500 WHILV	[RLC]		1-5	98%~3%		1-16	89%~18%						
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-2	97%~3%		1-4	86%~6%						
PEHA	431HAN	[RL]	6 ~ 120 W [LED] 6 ~ 60 W		N.A.	N.A.	1-5	89%~7%						
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	T.B.D.	T.B.D.	T.B.D.	2-10	92%~3%						
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	T.B.D.	T.B.D.	T.B.D.	2-10	88%~3%						
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	T.B.D.	T.B.D.	T.B.D.	2-10	88%~3%						
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400 VA - Turn Universal (2wire)	T.B.D.	T.B.D.	T.B.D.	2-10	88%~20%						
Schneider	SBD315RC (SBD 315)	[RC]	315	T.B.D. 1-5	T.B.D.	T.B.D.	2-10	88%~3%						
VADSBO VADSBO	DRS 315	[RC]	50 ~ 350 W 50 ~ 315 W	1-5	94%~3% 100%~3%		1-14 2-13	88%~27% 95%~19%	< 14					
VADSBO	DU 250	[RC]	20 ~ 250 W	1-5	80%~20%		1-10	85%~9%	< 11					
Varilight	HQ3W	[R]		T.B.D.	T.B.D.	T.B.D.	2-10	92%~6%						
Vimar	20148	[RL]	500 W	T.B.D.	T.B.D.	T.B.D.	3-10	92%~8%	< 11					
Vimar	14153	[R]		1-8	98%~3%		1-16	99%~6%						
Vimar	20160	[RC]			N.A.	N.A.	2-16	94%~11%	< 17					
Vimar	20162	[RL]	40 ~ 300 W	T.B.D.	T.B.D.	T.B.D.	2-10	88%~8%	< 11					
Dynalite	DDLE801		(per channel)	2-8	100%~3%		T.B.D.	T.B.D.	T.B.D.					
Dynalite	DDMC-GRMSPLUS		(per channel)	2-8	100%~3%		T.B.D.	T.B.D.	T.B.D.					

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Recommended dimmer compatibility list for Mains Voltage Lamps

	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	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	D bulb							
				MA	STER LEDbulb o	clear	MAS	TER LEDbulb o	clear		ASTER LEDbul			MASTER LEDbul	
					6-40 W DimTone			8.5-60 W DimTone		6-40 W frosted DimTone			8.5-60 W frosted DimTone		
					F			A							
								Parameter 1			Personal Property and Property			Process.	
											NEW			NEW	
											NEW			IVEVV	
				nce			JCe			JCe			nce		
				Dimming Performance	a ing	.E	Dimming Performance	aing e	in g	Dimming Performance	Dimming Range	in g	Dimming Performa	e ing	ing
Brand	Type	Туре	Load	Dimrr Perfo	Dimmin	Glowing	Dimr Perfo	Dimming Range	Glowing	Jimrr Perfo	Jimrr Rang	Glowing	Dimr. Perfo	Dimmir Range	Glowing
Berker INSTA	Type 286710	[RC]	20 ~ 360 W - Turn	1-3	87%~3%		1-3	98%~4%		1-3	95%~4%		1-3	90%~3%	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	90%~3%		1-3	95%~3%		1-3	98%~3%		1-3	94%~3%	
Bticino	L4407	0	60 ~ 250 W		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.
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	93%~3%		1-3	94%~5%		1-3	95%~3%		1-3	96%~3%	
Busch Jaeger ABB	2247 U	[R]	60 ~ 400 W - Turn	1-3	90%~3%		1-3	95%~3%		1-3	95%~3%		1-3	93%~3%	
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	1-3	92%~3%		1-3	95%~3%		1-3	92%~3%		1-3	97%~3%	
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	1-3	94%~8%		1-3	96%~5%		1-3	98%~6%		1-3	96%~3%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	86%~3%		1-3	89%~3%		1-3	92%~3%		1-3	92%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	91%~4%		1-3	88%~5%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88%~3%		1-3	90%~4%		1-3	96%~5%		1-3	94%~4%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	1-3	93%~3%		1-3	92%~3%		1-3	96%~3%		1-3	92%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	1-3	89%~3%		1-3	95%~3%		2-3	99%~3%		1-3	95%~3%	
Eltako	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.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Feller Schneider	40200 (SBD200LED CCTCH10601)		4 ~ 200 W(RC) 4 ~ 400 W(RL)	1-3	88%~3%		1-3	90%~4%		1-3	96%~5%		1-3	94%~4%	
GIRA	1176-00/01	[RLC]	50 ~ 420 W	1-3	93%~5%		1-3	88%~5%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	1-3	86%~3%		1-3	91%~3%		1-3	97%~3%		1-3	92%~3%	
Hager	EVN 011	[RC]	200 W	1-3	98%~3%		1-3	93%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Hager	EVN 012	[RC]	300 W	1-3	98%~3%		1-3	93%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Hager Jung	EVN 004 225 TDE	[RL]	20 ~ 525 W - Turn	1-3 1-3	98%~3% 93%~3%		1-3 1-3	93%~3% 96%~5%		1-3	94%~5%	T.B.D.	1-3	92%~3%	1.6.0.
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	1-3	87%~7%		1-3	91%~7%		1-3	96%~7%		1-3	92%~7%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	1-3	82%~4%		1-3	83%~5%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Klik aan Klik uit	ACM 300	(CCD)	300W - 3-wire Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Legrand	774161	[RL]	40 ~ 400 W - Turn			N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	1-3	96%~3%		1-3	93%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
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 ~ 400 W		N.A.	N.A.	1-3	90%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	95%~3%		1-3	95%~3%		1-3	97%~3%		1-3	94%~3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	88%~17%		1-3	95%~3%		1-3	99%~3%		1-3	98%~3%	
Legrand	L4402N	[R]	60~500 W		N.A.	N.A.	2-3	83%~5%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W(RC) 4~400W(RL)	1-3	88%~3%		1-3	90%~4%		1-3	96%~5%		1-3	94%~4%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	1-3	93%~3%		1-3	92%~3%		1-3	96%~3%		1-3	92%~3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	89%~3%		1-3	95%~3%		2-3	99%~3%		1-3	95%~3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn		N.A.	N.A.	1-3	80%~3%		1-3	80%~3%		2-3	80%~3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	85%~3%		1-3	90%~3%		1-3	87%~3%		1-3	88%~3%	
MK - Electric	K4501 WHILV K4500 WHILV	[RLC]		1-3	88%~3%		1-3	83%~3% 85%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
MK - Electric		[RLC]	2 100 VA	1-3	88%~3%		1-3								
NIKO PEHA	310-0280X 431HAN	[RL]	2 ~ 100 VA 6 ~ 120 W [LED] 6 ~ 60 W	1-3 1-3	98%~4% 88%~4%		1-3 1-3	95%~5% 83%~5%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	86%~3%		1-3	89%~3%		1-3	92%~3%	1.0.0.	1-3	92%~3%	1.6.6.
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	1-3	93%~3%		1-3	92%~3%		1-3	96%~3%		1-3	92%~3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	1-3	93%~3%		1-3	92%~3%		1-3	96%~3%		1-3	92%~3%	
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	1-3	88%~3%		1-3	90%~4%		1-3	96%~5%		1-3	94%~4%	
Schneider	SBD315RC (SBD 315)	[RC]	315	1-3	93%~3%		1-3	90%~4%		1-3	96%~3%		1-3	92%~3%	
VADSBO	ED 350	[RC]	50 ~ 350 W	1-3	91%~5%		1-3	85%~5%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
VADSBO	DRS 315	[RC]	50 ~ 315 W		N.A.	N.A.	1-3	93%~3%	<2	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
VADSBO	DU 250	[RC]	20 ~ 250 W	1-3	88%~3%	<4	1-3	83%~3%	<4	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Varilight	HQ3W	[R]		1-3	92%~3%		1-3	99%~3%		1-3	95%~3%		1-3	93%~3%	
Vimar	20148	[RL]	500 W		N.A.	N.A.		N.A.	N.A.	1-3	98%~4%	< 4	1-3	96%~3%	< 2
Vimar	14153	[R]		1-3	98%~3%		1-3	98%~3%		1-3	95%~6%	< 4	1-3	93%~3%	< 2
Vimar	20160	[RC]			N.A.	N.A.	1-3	93%~3%	<4	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Vimar	20162	[RL]	40 ~ 300 W		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.
Dynalite		t=j			0501						0.531 .531			0001	
Dynalite	DDLE801 DDMC-GRMSPLUS		(per channel) (per channel)	1-3 1-3	95%~3% 98%~3%		1-3 1-3	93%~3% 90%~3%		1-3 1-3	96%~3% 99%~3%		1-3 1-3	90%~3% 92%~3%	

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
- #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected. 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	This document is for information purposes and must be treated as recommendation. Philips			
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are			
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults			
TRD	Dimmer Jamp combination not tested				

				LEI							ED bulb						
					MASTER LEDbul 11-75 W frosted DimTone			MASTER LEDbulk 15-100 W frosted DimTone		c	orePro LED bull 6-40 W	o	CorePro LED bulb 8.5-60 W				
											T.			U			
				Dimming Performance	ning e	ing	Dimming Performance	ning e	ii g	Dimming Performance Dimming Range Glowing			Dimming Performance	ning e	ring		
Brand	Туре	Туре	Load	Dimn Perfo	Dimmir Range	Glowing	Dimn Perfo	Dimmil Range	Glowing	Dimn Perfo	Dimn	Glowing	Dimn Perfo	Dimming Range	Glowing		
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	283010	[R]	60 ~ 400 W - Turn	1-3	93%~10%		1-3	91%~9%		1-3	96%~3%		1-3	92%~11%			
Busch Jaeger ABB	L4407 2200 U - 503	[] [R]	60 ~ 250 W 60 ~ 400 W - Turn	1-3	N.A. 93%~17%	N.A.	1-3	N.A. 91%~22%	N.A.	1-3	N.A. 98%~9%	N.A.	1-3	N.A. 94%~15%	N.A.		
Busch Jaeger ABB	2247 U	[R]	60 ~ 400 W - Turn	1-3	93%~17%		1-3	93%~3%		1-5	N.A.	N.A.	1-3	95%~3%			
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	1-3	93%~3%		1-3	93%~3%		1-3	99%~3%		1-3	92%~3%			
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	1-3	93%~10%		1-3	91%~10%			98%~5%			92%~4%			
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	87%~3%		1-3	87%~3%		1-3	94%~3%		1-3	94%~3%			
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-3	98%~10%		1-3	98%~11%		1-3	91%~13%		1-3	92%~19%			
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% 98%~3%			
ELKO Schneider ELKO Schneider	SBD315RC (315 GLE) SBD420RCRL (CCTEL13011)	[RC]	315 W	1-3 1-3	87%~3% 93%~7%		1-3 1-3	84%~3% 91%~4%		1-3 1-3	93%~3% 91%~3%		1-3 1-3	98%~3%			
Eltako	EVD61NPN-UC	[]	400 W 3-wire Push Module	1-3	97%~5%		1-3	97%~5%		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)	1-3	90%~10%		1-3	89%~10%		3	91%~3%		1-3	91%~7%			
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	[RC]		1-3	97%~6%		1-3	97%~6%		1-3	97%~3%		1-3	97%~3%			
Hager	EVN 012	[RC]	300 W	1-3	97%~6%		1-3	97%~6%		1-3	97%~3%		1-3	97%~3%			
Hager Jung	EVN 004 225 TDE	[RL]	20 ~ 525 W - Turn	1-3 1-3	97%~6% 90%~10%		1-3 1-3	97%~6% 89%~9%		1-3 1-3	97%~3% 92%~8%		1-3 1-3	97%~3% 93%~7%			
Jung	1271LEDDE	[LED]	3 ~ 100 W - 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~ 24 W		N.A.	N.A.		N.A.	N.A.	1-3	84%~12%		1-3	87%~20%			
Klik aan Klik uit	ACM 300		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	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		
Legrand	78401	[RLC]	40 ~ 500W	1-3	94%~7%		1-3	94%~7%		1-3	93%~3%		1-3	93%~3%			
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		
Legrand Legrand	67082 67083	[RL]	40 ~ 600 W - Turn 3 ~ 400 W		N.A. N.A.	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%	IV.A.		N.A.	N.A.		98%~3%	IV.A.		92%~3%	N.A.		
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	93%~3%		1-3	91%~3%			96%~3%			97%~3%			
Legrand	L4402N	[R]	60~500 W	1-3	86%~17%		1-3	86%~18%			N.A.	N.A.	2-3	87%~11%			
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W(RC) 4~400W(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 MK - Electric	K1535 K1501 WHILV	[R]	65 ~ 450 W - Turn 60 ~ 500 W - Turn	1-3 1-3	80%~7% 83%~7%		1-3	82%~9% N.A.	N.A.	1-3 1-3	82%~3% 89%~3%		1-3 1-3	84%~6% 92%~3%			
MK - Electric	K4501 WHILV	[RLC]	00 = 500 W Tulli	1-3	85%~8%		1-3	85%~8%	Nich	1-3	87%~3%		1-3	88%~3%			
MK - Electric	K4500 WHILV	[RLC]		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 ~ 120 W [LED] 6 ~ 60 W	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	87%~3%		1-3	87%~3%		1-3	94%~3%		1-3	94%~3%			
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 Schneider	SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[RC]	315 W 4 ~ 400 VA - Turn Universal (2wire)	1-3 1-3	87%~3% 90%~10%		1-3 1-3	84%~3% 89%~10%		1-3 3	93%~3% 91%~3%		1-3 1-3	98%~3% 91%~7%			
Schneider	SBD315RC (SBD 315)	[RC]	315	1-3	87%~3%		1-3	84%~3%		1-3	93%~3%		1-3	98%~3%			
VADSBO	ED 350	[RC]	50 ~ 350 W	1-3	84%~23%		1-3	84%~23%		1-3	89%~16%		1-3	85%~11%			
VADSBO	DRS 315	[RC]	50 ~ 315 W	1-3	96%~9%		1-3	96%~9%		1-3	92%~3%		1-3	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]		1-3	90%~3%		1-3	91%~4%		1-3	95%~3%		1-3	95%~3%			
Vimar	20148	[RL]	500 W	1-3	93%~7%		1-3	91%~7%			N.A.	N.A.	1-3	94%~3%			
Vimar	14153 20160	[R]		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 Vimar	20160	[RL]	40 ~ 300 W	1-3	92%~4%		1-3	92%~4% 87%~4%		1-3	N.A. 95%~5%	IV.A.	1-3	92%~3% 88%~3%			
Dynalite	DDLE801	. ,	(per channel)	1-3	90%~3%		1-3	89%~4%		1-3	92%~3%		1-3	95%~3%			
Dynalite	DDMC-GRMSPLUS		(per channel)	1-3	90%~3%		1-3	89%~3%		1-3	93%~3%		1-3	93%~3%			
_																	

Note

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Recommended dimmer compatibility list for Mains Voltage Lamps

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x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load	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 LED bul 11.5-75 W	b	c	orePro LED bull 16-100 W	b	Cla	assic filament b A60 4.5-40 W	ulb		ssic filament bu A60 7.5 W - 60 W 5 W -48 W Gold			
								POLIFE									
					487			•			NEW			NEW			
				Dimming Performance	8	8	Dimming Performance	B	pa Pa	Dimming Performance		pa Ba	ng mance	8	8		
Brand	Туре	Туре	Load	Dimmi	Dimmir Range	Glowing	Dimmi	Dimming Range	Glowing	Dimmi	Dimming Range	Glowing	Dimming Performan	Dimmir Range	Glowing		
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	90%~10%	T.B.D.	1-3	91%~9%		1-3	93%~5%		1- 3	89%~3%			
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	94%~12%			N.A.	N.A.	1-3	92%~5%		1	92%~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	1-3	92%~24%		1-3	94%~25%		1 - 3	90%~11%		1 - 3	93%~3%			
Busch Jaeger ABB	2247 U	[R]	60 ~ 400 W - Turn	1-3	94%~3%		1-3	94%~3%		1 - 3	91%~3%		1 - 3	92%~3%			
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	1-3	96%~3%		1-3	94%~3%		1-3	91%~3%		1-3	93%~3%			
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	1-3	92%~10%		1-3	93%~9%		1-3	95%~3%		1-3	93%~3%			
Busch Jaeger ABB Busch Jaeger ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	1-3 1-3	82%~3% 88%~23%		1-3 1-3	90%~3% 91%~25%		1 - 3 1 - 3	91%~3% 96%~3%		1 - 3 1 - 3	88%~3% 97%~3%			
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	1-3	88%~13%		1-3	90%~13%		2-3	94%~3%		1-3	90%~4%			
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%		2-3	91%~3%		1-3	90%~3%			
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	1-3	92%~3%		1-3	94%~3%		2-3	96%~3%		2 - 3	93%~3%			
Eltako	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.	1-3	99%~3%		1-3	99%~3%			
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	1-3	88%~13%		1-3	90%~13%		2-3	94%~3%		1-3	90%~4%			
GIRA	1176-00/01	[RLC]	50 ~ 420 W	1-3	92%~20%		1-3	93%~19%		1 - 3	95%~13%		1 - 3	96%~13%			
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	1-3	90%~3%		1-3	91%~3%		1 - 3	90%~3%		1-3	89%~3%			
Hager	EVN 011	[RC]		1-3	97%~3%		1-3	96%~4%		1-3	99%~3%		1-3	99%~3%			
Hager	EVN 012	[RC]	300 W	1-3	95%~3%		1-3	95%~4%		1-3	99%~4%		1-3	98%~4%			
Hager Jung	EVN 004 225 TDE	[RL]	20 ~ 525 W - Turn	1-3 1-3	97%~5% 90%~10%		1-3 1-3	98%~4%		1 - 3 1 - 3	98%~5% 89%~4%		1 - 3 1- 3	99%~4% 90%~4%			
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	1-3	90%~10%		1-3	91%~11%		1-3	89%~3%		1-3	90%~4%			
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	1-3	83%~25%		1-3	85%~23%		1-3	88%~3%		1-3	86%~11%			
Klik aan Klik uit	ACM 300	1==-1	300W - 3-wire Push LED Dimmer	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-3	91%~3%		1-3	93%~3%			
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.	3	91%~3%		2- 3	93%~3%			
Legrand	78401	[RLC]	40 ~ 500W	1-3	92%~5%		1-3	94%~5%		1 - 3	96%~3%		1 - 3	96%~3%			
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.	3	92%~3%			N.A.	N.A.		
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.	3	93%~3%			N.A.	N.A.		
Legrand	67083	[RLC]	3 ~ 400 W		N.A.	N.A.		N.A.	N.A.	1 - 3	88%~3%		1- 3	87%~3%			
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	92%~5%		1-3	92%~5%		1-3	94%~3%		1- 3	93%~3%			
Legrand Legrand	67085 (078406) L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60~500 W	1-3 1-3	94%~3% 85%~17%		1-3 1-3	94%~3% 85%~16%		1 - 3 3	96%~3% 87%~4%		1- 3 1- 3	95%~3% 87%~5%			
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200 W(RC) 4~400W(RL)	1-3	88%~13%		1-3	90%~13%		2-3	94%~3%		1-3	90%~4%			
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%		2-3	91%~3%		1-3	90%~3%			
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	92%~3%		1-3	94%~3%		2-3	96%~3%		2 - 3	93%~3%			
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	82%~10%		1-3	83%~9%		1 - 3	84%~3%		1-3	81%~3%			
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	78%~8%		1-3	88%~8%		2-3	84%~3%		1 - 3	86%~3%			
MK - Electric	K4501 WHILV	[RLC]		1-3	78%~8%		1-3	88%~8%		2-3	88%~3%		1 - 3	88%~3%			
MK - Electric	K4500 WHILV	[RLC]		1-3	78%~8%		1-3	88%~8%		2-3	89%~3%		1 - 3	88%~3%			
NIKO	310-0280X	[LED]	2~100 VA	1-3	95%~13%		1-3	95%~13%		1-3	98%~3%		1-3	97%~3%			
PEHA Philips	431HAN UID8670	[RL]	6 ~ 120 W [LED] 6 ~ 60 W 2 ~ 100 VA-LED - Push (3wire)	1-3 1-3	88%~28% 82%~3%		1-3 1-3	88%~28% 90%~3%		1-3 1 - 3	88%~3% 91%~3%		1 - 3 1 - 3	87%~3% 88%~3%			
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%		2-3	91%~3%		1-3	90%~3%			
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	1-3	88%~3%		1-3	90%~3%		2-3	91%~3%		1-3	90%~3%			
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	1-3	88%~13%		1-3	90%~13%		2-3	94%~3%		1 - 3	90%~4%			
Schneider	SBD315RC (SBD 315)	[RC]	315	1-3	88%~3%		1-3	90%~3%		2-3	91%~3%		1-3	90%~3%			
VADSBO	ED 350	[RC]	50 ~ 350 W	1-3	85%~17%		1-3	83%~15%		1 - 3	93%~13%		1 - 3	93%~13%			
VADSBO	DRS 315	[RC]	50 ~ 315 W	1-3	90%~7%		1-3	91%~6%			N.A.	N.A.	1- 3	95%~3%			
VADSBO	DU 250	[RC]	20 ~ 250 W	1-3	80%~3%		1-3	80%~3%		1-3	91%~3%	< 3	1- 3	88%~3%			
Varilight	HQ3W	[R]	FOOW	1-3	94%~3%		1-3	93%~3%		2-3	93%~3%		1- 3	91%~3%			
Vimar	20148	[RL]	500 W	1-3	94%~7%		1-3	94%~6%		1-3	90%~3%		1 - 3	92%~3%			
Vimar Vimar	14153 20160	[R] [RC]		1-3 1-3	97%~3% 90%~3%		1-3 1-3	98%~3% 91%~3%		1-3 1-3	99%~3% 93%~3%	< 2	1 - 3 1 - 3	98%~3% 94%~3%			
Vimar	20162	[RL]	40 ~ 300 W	1-3	88%~3%		1-3	91%~3%		1-3	92%~3%		1-3	91%~3%			
Dynalite	DDLE801		(per channel)	1-3	92%~3%		1-3	95%~3%		1-3	88%~3%		1-3	86%~3%			
Dynalite	DDMC-GRMSPLUS		(per channel)	1-3	92%~3%		1-3	96%~3%		1-3	93%~3%		1 - 3	91%~3%			
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- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
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- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems).
- #4b) Yellow cells indication: Dimming range, minimum dim level 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

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	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		

				ST64 clear dim 7-60	Classic filament bulb O W / ST64 gold dim 7-50 W / ST6		Classic filament bulb G93 clear 6-60 W / G120 gold dim 7-50 W					
				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range Mark	Glowing			
Brand	Туре	Туре	Load	Per	Dim	Glo	Per	Dim	OB GIO			
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1 - 3	93%~3%		1 - 3	93%~3%				
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1 - 3	94%~3%		1 - 3	94%~3%				
Burelo la con la DD	L4407	[]	60 ~ 250 W		N.A.	N.A.	1.2	N.A.	N.A.			
Busch Jaeger ABB Busch Jaeger ABB	2200 U - 503 2247 U	[R]	60 ~ 400 W - Turn 60 ~ 400 W - Turn	1 - 3	97%~3% 94%~3%		1 - 3 1 - 3	97%~3% 94%~3%				
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	1-3	96%~3%		1-3	96%~3%				
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	1 - 3	95%~3%		1-3	95%~3%				
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1 - 3	91%~3%		1-3	91%~3%				
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1 - 3	95%~3%		1 - 3	95%~3%				
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4~400W(RL)	1 - 3	94%~6%		1 - 3	94%~6%				
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	1 - 3	83%~3%		1 - 3	83%~3%				
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	3	99%~3%		3	99%~3%				
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	1 - 3	99%~3%		1 - 3	99%~3%				
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	1 - 3	94%~6%		1 - 3	94%~6%				
GIRA	1176-00/01	[RLC]	50 ~ 420 W	1 - 3	95%~11%		1 - 3	95%~11%				
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	1 - 3	93%~3%		1-3	93%~3%				
Hager	EVN 011	[RC]	200 W	1 - 3	96%~3%		1-3	96%~3%				
Hager	EVN 012	[RC]	300 W	1-3	98%~3%		1 - 3	98%~3%				
Hager	EVN 004 225 TDE	[RL]	20 ~ 525 W - Turn	1 - 3	98%~4% 93%~6%		1 - 3 1 - 3	98%~4% 93%~6%				
Jung Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	1-3	95%~10%		1-3	95%~10%				
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	1 - 3	86%~3%		1-3	86%~3%				
Klik aan Klik uit	ACM 300	,	300W - 3-wire Push LED Dimmer	1 - 3	80%~3%		1 - 3	80%~3%				
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	78401	[RLC]	40 ~ 500W	1 - 3	95%~3%		1 - 3	95%~3%				
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	67083	[RLC]	3 ~ 400 W	1 - 2	87%~5%		1 - 2	87%~5%				
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1 - 3	95%~3%		1 - 3	95%~3%				
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1 - 3	98%~3%		1 - 3	98%~3%				
Legrand	L4402N	[R]	60~500 W	2 - 3	87%~5%		2 - 3	87%~5%				
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200 W(RC) 4~400W(RL)	1-3	94%~6%		1 - 3	94%~6%				
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC]	315 W 20 ~ 420 VA	1 - 3 3	83%~3% 99%~3%		1 - 3 3	83%~3% 99%~3%				
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	84%~3%		1-3	84%~3%				
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1 - 3	87%~3%		1 - 3	87%~3%				
MK - Electric	K4501 WHILV	[RLC]		1 - 3	91%~9%		1-3	91%~9%				
MK - Electric	K4500 WHILV	[RLC]		1 - 3	91%~9%		1-3	91%~9%				
NIKO	310-0280X	[LED]	2 ~ 100 VA	1 - 3	97%~3%		1 - 3	97%~3%				
PEHA	431HAN	[RL]	6 ~ 120 W [LED] 6 ~ 60 W	1 - 3	87%~3%		1 - 3	87%~3%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1 - 3	91%~3%		1 - 3	91%~3%				
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	1 - 3	83%~3%		1 - 3	83%~3%				
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	1 - 3	83%~3%		1 - 3	83%~3%				
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400 VA - Turn Universal (2wire)	1 - 3	94%~6%		1 - 3	94%~6%				
Schneider	SBD315RC (SBD 315)	[RC]	315	1 - 3	83%~3%		1 - 3	83%~3%				
VADSBO	DRS 315	[RC]	50 ~ 350 W	1 - 3	91%~9% N.A	N.A.	1 - 3	91%~9% N.A	N.A.			
VADSBO VADSBO	DU 250	[RC]	50 ~ 315 W 20 ~ 250 W	1 - 3	N.A. 87%~3%	IV.A.	1 - 3	N.A. 87%~3%	IV.A.			
Varilight	HQ3W	[R]	20 - 2JU W	1-3	93%~3%		1-3	93%~3%				
Vimar	20148	[RL]	500 W	1-3	95%~3%	<2	1-3	95%~3%	<2			
Vimar	14153	[R]		1 - 3	98%~3%		1 - 3	98%~3%				
Vimar	20160	[RC]		1 - 3	92%~3%		1 - 3	92%~3%				
Vimar	20162	[RL]	40 ~ 300 W	1 - 3	97%~3%	<2	1 - 3	97%~3%	<2			
Dynalite	DDLE801		(per channel)	1 - 3	89%~3%		1 - 3	89%~3%				
Dynalite	DDMC-GRMSPLUS		(per channel)	1 - 3	91%~3%		1 - 3	91%~3%				

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Recommended dimmer compatibility list for Mains Voltage Lamps

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	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are generated in lab conditions and might contain faults			
N.A.	Dimmer lamp combination not applicable				
TRD	Dimmer lamp combination not tested				

										LED	candle / l	ustre			ı			
				MASTER	LEDcandle /	LEDlustre	MASTER LEDcandle / LEDlustre			MASTER LEDcandle			Classic LED filament candle/lustre			Classic LED filament candle/lus B35 4.5-40 W clear		
				DimTone 4-25 W		DimTone 6-40 W			DimTone 8-60 W			B35 3-25 W clear P45 3-25 W clear			B35 4.5-40 W clear P45 4.5-40 W clear			
							A (\wedge			\wedge	
				1004	NES DES	(BON)	(M) /M	A 1949 (M	S PAY		YES)			
)AT							PHANE							
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				ing	8	Bu	ing	B	Bu	ing	e e	Bu	ing	, E	Bu	ing man	e e	8
	I	ı	I	Dimming Performar	Dimming Range	Glowing	Dimming Performa	Dimming Range	Glowing	Dimming Performa	Dimming Range	Glowing	Dimming Performar	Dimming Range	Glowing	Dimming Performa	Dimming Range	Glowing
Brand	Туре	Type	Load			<u> </u>			<u> </u>						<u> </u>			ō
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2-18	96%~3%		2-12	93%~3%		T.B.D.	T.B.D.	T.B.D.	2- 24	93%~3%		2 -16	91%~3%	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2-20	89%~3%		2-13	89%~3%		T.B.D.	T.B.D.	T.B.D.	2- 27	95%~3%		2 -18	95%~3%	
Bticino	L4407	[]	60 ~ 250 W		N.A.	N.A.		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%		2-13	92%~3%		T.B.D.	T.B.D.	T.B.D.	2 -20	94%~11%		2 -18	95%~3%	
Busch Jaeger ABB	2247 U	[R]	60 ~ 400 W - Turn	2-25	91%~3%		2-17	91%~3%		T.B.D.	T.B.D.	T.B.D.	5 -20	95%~3%		2 -22	95%~3%	
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	2-30	88%~3%		2-20	93%~3%		T.B.D.	T.B.D.	T.B.D.	2 -20	95%~3%		2 -18	92%~3%	
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	2-21	94%~3%		2-14	91%~3%		T.B.D.	T.B.D.	T.B.D.	2 -20	95%~3%		2 -19	94%~3%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-20	84%~3%		2-17	83%~3%		T.B.D.	T.B.D.	T.B.D.	2 -20	90%~3%		2 -20	90%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	2-20	88%~7%	<4	2-17	88%~5%	< 6	2 -10	95%~3%		2 -20	96%~3%		2 -20	94%~3%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	2-20	95%~3%		2-13	92%~3%		T.B.D.	T.B.D.	T.B.D.	2 -27	94%~3%		2 -18	92%~3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	2-15	88%~3%		2-11	87%~0%		T.B.D.	T.B.D.	T.B.D.	2 -21	93%~3%		2 -14	93%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	2-20	91%~3%		2-14	90%~3%		T.B.D.	T.B.D.	T.B.D.	7 - 28	96%~3%		3 -19	95%~3%	
Eltako	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.	2 -10	99%~3%		2- 20	99%~3%		2- 18	98%~3%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-20	95%~3%		2-13	92%~3%		T.B.D.	T.B.D.	T.B.D.	2 -27	94%~3%		2 -18	92%~3%	
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-20	95%~7%	<7	2-14	95%~5%	< 9	2 -11	95%~6%		2- 20	95%~13%		2- 19	95%~10%	
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	2-25	94%~3%		2-17	92%~3%		T.B.D.	T.B.D.	T.B.D.	2- 30	91%~3%		2- 22	92%~3%	
Hager	EVN 011	[RC]			95%~4%	<7	2-10	96%~3%	< 10		N.A.	N.A.	2- 20	99%~3%		2- 13	98%~3%	
Hager	EVN 012	[RC]	300 W		95%~4%	<7	2-10	95%~3%	< 10	2 -8	97%~5%		2- 20	99%~4%		2- 13	98%~3%	
Hager	EVN 004	[RL]			95%~7%	<7	2-17	96%~4%	< 11	2 -10	98%~5%		2- 20	99%~5%		2- 20	97%~3%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-26	89%~3%		2-18	89%~3%		T.B.D.	T.B.D.	T.B.D.	3- 30	94%~3%		2- 23	92%~3%	
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	2-25	93%~4%		2-17	92%~3%		T.B.D.	T.B.D.	T.B.D.	2- 30	91%~3%		2- 22	90%~3%	
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W		78%~7%	<6	2-4	77%~4%	< 5		N.A.	N.A.	2- 8	85%~3%		2- 13	81%~12%	
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.		N.A.	N.A.	2- 20	90%~3%		2- 13	88%~3%	
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	5- 27	95%~3%		5- 18	95%~3%	
Legrand	78401	[RLC]	40 ~ 500W	2-20	95%~4%	<7	2-13	93%~4%	< 9	2 -10	95%~3%		2- 20	97%~3%		2- 18	95%~3%	
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	5- 20	96%~3%		3- 13	86%~3%	
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	4- 30	97%~3%		4- 27	96%~3%	
Legrand	67083	[RLC]	3 ~ 400 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2- 5	87%~3%		2- 18	86%~3%	
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	2- 27	90%~3%		2- 18	95%~3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-15	94%~3%		2-10	91%~3%		T.B.D.	T.B.D.	T.B.D.	2- 20	96%~3%		2- 13	98%~3%	
Legrand	L4402N	[R]	60~500 W		79%~4%		8-17	79%~4%		2 -10	88%~5%		8- 20	96%~3%		5- 20	85%~4%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W(RC) 4~400W(RL)	2-20	95%~3%		2-13	92%~3%		T.B.D.	T.B.D.	T.B.D.	2 -27	94%~3%		2 -18	92%~3%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	2-15	88%~3%		2-11	87%~3%		T.B.D.	T.B.D.	T.B.D.	2 -21	93%~3%		2 -14	93%~3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2-20	91%~3%		2-14	90%~3%		T.B.D.	T.B.D.	T.B.D.	7 - 28	96%~3%		3 -19	95%~3%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-23	79%~3%		2-15	77%~3%		T.B.D.	T.B.D.	T.B.D.	2- 30	83%~3%		2- 20	82%~3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-25	88%~3%		2-17	87%~3%		T.B.D.	T.B.D.	T.B.D.	2- 30	88%~3%		2- 22	88%~3%	
MK - Electric	K4501 WHILV	[RLC]			83%~3%		2-7	82%~3%			N.A.	N.A.	2- 15	88%~3%		2- 10	88%~3%	
MK - Electric	K4500 WHILV	[RLC]			83%~3%			N.A.	N.A.		N.A.	N.A.	2- 20	87%~3%		2- 18	87%~3%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	2-5	96%~5%		2-3	96%~4%		2-3	97%~3%		2 -7	98%~3%		2 -4	96%~3%	
PEHA	431HAN	[RL]	6 ~ 120 W [LED] 6 ~ 60 W		82%~7%		2-4	82%~5%		2-3	86%~3%		2 -8	86%~3%		2 -5	86%~3%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	84%~3%		2-17	83%~3%		T.B.D.	T.B.D.	T.B.D.	2 -20	90%~3%		2 -20	90%~3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	2-15	88%~3%		2-11	87%~3%		T.B.D.	T.B.D.	T.B.D.	2 -21	93%~3%		2 -14	93%~3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	2-15	88%~3%		2-11	87%~3%		T.B.D.	T.B.D.	T.B.D.	2 -21	93%~3%		2 -14	93%~3%	
Schneider	SBD200 (WDE 002299)	0	4 ~ 400 VA - Turn Universal (2wire)	2-20	95%~3%		2-13	92%~3%		T.B.D.	T.B.D.	T.B.D.	2 -27	94%~3%		2 -18	92%~3%	
Schneider	SBD315RC (SBD 315)	[RC]	315	2-15	88%~3%		2-11	87%~3%		T.B.D.	T.B.D.	T.B.D.	2 -21	93%~3%		2 -14	93%~3%	
VADSBO	ED 350	[RC]	50 ~ 350 W	2-18	88%~7%		2-12	84%~4%		2-9	88%~6%		2 -21	93%~10%		2- 16	91%~7%	
VADSBO	DRS 315	[RC]	50 ~ 315 W	4-16	89%~4%		5-11	91%~4%	< 12	5-8	95%~4%	<3		N.A.	N.A.	10- 14	93%~3%	
VADSBO	DU 250	[RC]	20 ~ 250 W	2-13	86%~3%		2-8	79%~3%	< 8	2-6	85%~3%	<7	2 -15	89%~3%	<4	2- 11	87%~3%	
Varilight	HQ3W	[R]		2-20	91%~3%		2-13	90%~3%		T.B.D.	T.B.D.	T.B.D.	3- 27	94%~3%		2- 18	93%~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- 30	94%~3%	<3	2- 20	94%~3%	<2
Vimar	14153	[R]		2-20	99%~3%		2-17	96%~3%	< 7	2-13	98%~3%		2- 20	99%~3%		2- 13	94%~3%	<2
Vimar	20160	[RC]			89%~3%		2-10	89%~3%	< 11	2-8	93%~3%	<5	2- 20	93%~3%	<3	3- 20	91%~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.	4- 30	95%~3%	<3	2- 20	96%~3%	
Dynalite	DDLE801		(per channel)	2-20	89%~3%		2-17	91%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-22	90%~3%	
Dynalite	DDMC-GRMSPLUS		(per channel)	2-20	92%~3%		2-15	91%~3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	1-20	92%~3%	

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)
- #2) Occupancy sensors can act like dimmers, therefore Philips recommends to use dimmable lamps in combination with it.
- #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected. 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	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 capsule & specials										
					CorePro LED capsule			CorePro R7S						
					G9 2.5-25 W			14-100 W ⊪						
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					ì									
								A. A.						
								NEW						
				_			_							
				Dimming Performance	מט		Dimming Performance	bo						
				form	Dimming	Glowing	form form	Dimming	Glowing					
Brand	Туре	Type	Load	Din Per	Din Rar	Glo	Per	Dim	છ					
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	3-20	96%-27%		1	89%~8%						
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	3-20	86%~23%		1	94%~3%						
Buselous	L4407	[]	60 ~ 250 W	2.20	N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.					
Busch Jaeger ABB Busch Jaeger ABB	2200 U - 503 2247 U	[R]	60 ~ 400 W - Turn 60 ~ 400 W - Turn	3-20 3-20	85%~33% 83%~9%		1	91%-23% 93%~3%						
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	3-20	87%~6%		1	96%~3%						
Busch Jaeger ABB	6513 U - 102	[R]	40 ~ 420 W - Turn	3-20	98%~24%		1	93%~7%						
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	3-20	92%~3%		1	88%~3%						
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	3-20	97%~23%	< 7	T.B.D.	T.B.D.	T.B.D.					
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4~400W(RL)	3-20	96%~30%		1	88%~10%						
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315 W	3-20	95%~9%		1	89%~3%						
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W		N.A.	N.A.	1	93%~3%						
Eltako	EVD61NPN-UC	U ED /	400 W 3-wire Push Module	3-20	99%~15%		T.B.D.	T.B.D.	T.B.D.					
Feller Schneider	40200 (SBD200LED CCTCH10601)		4 ~ 200 W(RC) 4 ~ 400 W(RL)	3-20	96%~30%	. 12	1	88%~10%	TD 0					
GIRA	1176-00/01 2390 00/ 100	[RLC]	50 ~ 420 W 7 ~ 100 W - Push (3wire)	3-20 3-18	96%~39% 91%~15%	< 12	T.B.D.	T.B.D. 89%~4%	T.B.D.					
Hager	EVN 011	[RC]	7 = 100 W = FdSH (SWIIE)	3-20	98%~18%	< 14	T.B.D.	T.B.D.	T.B.D.					
Hager	EVN 012	[RC]	300 W	3-20	99%~28%	< 14	T.B.D.	T.B.D.	T.B.D.					
Hager	EVN 004	[RL]		3-20	99%~28%	< 15	T.B.D.	T.B.D.	T.B.D.					
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	3-20	96%~33%		1	90%~10%						
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	3-20	94%~3%		1	90%~3%						
Klik aan Klik uit	AWMD-250	[LED]	3~ 24 W	3-10	86%~3%	< 11	T.B.D.	T.B.D.	T.B.D.					
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	3-20	33%~3%	< 10	T.B.D.	T.B.D.	T.B.D.					
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.					
Legrand	78401	[RLC]	40 ~ 500W	3-20	97%~3%	< 13	T.B.D.	T.B.D.	T.B.D.					
Legrand Legrand	67081 67082	[RL]	40 ~ 400 W - Turn 40 ~ 600 W - Turn		N.A. N.A.	N.A. N.A.		N.A. N.A.	N.A.					
Legrand	67083	[RLC]	3 ~ 400 W		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.					
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	3-20	97%~23%			N.A.	N.A.					
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	3-20	99%~4%			N.A.	N.A.					
Legrand	L4402N	[R]	60~500 W		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.					
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200 W(RC) 4~400W(RL)	3-20	96%~30%		1	88%~10%						
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	3-20	95%~9%		1	89%~3%						
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	T.B.D.	T.B.D.	T.B.D.	1	93%~3%						
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	3-20	72%-19%		1	82%~10%						
MK - Electric MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	3-10	82%-17% N.A.	N.A.	T.B.D.	88%~6% T.B.D.	T.B.D.					
MK - Electric	K4500 WHILV	[RLC]			N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.					
NIKO	310-0280X	[LED]	2 ~ 100 VA	3-9	98%~8%	110 1	T.B.D.	T.B.D.	T.B.D.					
PEHA	431HAN	[RL]	6 ~ 120 W [LED] 6 ~ 60 W	3-10	76%~4%		T.B.D.	T.B.D.	T.B.D.					
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	3-20	92%~3%		1	88%~3%						
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	3-20	95%~9%		1	89%~3%						
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	3-20	95%~9%		1	89%~3%						
Schneider	SBD200 (WDE 002299)	[]	4 ~ 400 VA - Turn Universal (2wire)	3-20	96%~30%		1	88%~10%						
Schneider	SBD315RC (SBD 315)	[RC]	315	3-20	95%~9%		1	89%~3%						
VADSBO	ED 350	[RC]	50 ~ 350 W	5-20	93%~34% N.A	NI A	T.B.D.	T.B.D.	T.B.D.					
VADSBO VADSBO	DRS 315 DU 250	[RC]	50 ~ 315 W 20 ~ 250 W	3-20	N.A. 92%~14%	N.A. <21	T.B.D.	T.B.D.	T.B.D.					
Varilight	HQ3W	[R]		3-20	92%~I4% 85%~I4%	121	1.B.D.	93%~3%	1.0.0.					
Vimar	20148	[RL]	500 W		N.A.	N.A.	1	94%~4%						
Vimar	14153	[R]		3-20	98%~3%	<10	T.B.D.	T.B.D.	T.B.D.					
Vimar	20160	[RC]			N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.					
Vimar	20162	[RL]	40 ~ 300 W	3-20	96%~18%	<21	1	90%~5%						
Dynalite	DDLE801		(per channel)	3-20	97%~3%		1	88%~3%						
Dynalite	DDMC-GRMSPLUS		(per channel)	3-20	97%~3%		1	91%~3%						

Note

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- #3) Various diffiner suppliers offer active loads (e.g. busch Jaeger Kompensator 6390) to optimize diffining performance in case of tamp-diffiner system issues. Osing double pole switches with prevent grown #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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