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



CorePro LED spot D 4-35W GU10

CRI80

KEY

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

MASTER LED ExpertColor MV

D 3.9-35W GU10

CRI97

LED spot

Master LED spot VLE DT

6.2-80W GU10

CRI90

MASTER LED ExpertColor

5.5-50W GU10

CRI97

					Y			Y			Y			Y	
Brand	Туре	[Type]	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2 - 5 (max 18)	88%~7%		2 - 5 (max 9)	91%~5%		1- 5	92%- 5%		2-20	91%~25%	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2 - 5 (max 20)	93%~6%		2 - 3	95~5%		1- 5	45%~3%		2-20	95%~24%	
Bticino	L4407		60 ~ 250 W		N.A.	N.A.								N.A.	N.A.
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2 - 5 (max 20)	83%~17%		2 - 5 (max 14)	94%~17%		1- 5	42%~3%		2-18	93%~19%	
Busch Jaeger ABB	2247 U	[R L]	20 ~ 500 W - Turn	2 - 5 (max 20)	95%~3%		2 - 5 (max 14)	95%~3%		1- 5	95%- 3%		2-20	93%~10%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	2 - 5 (max 25)	93%~3%		2 - 5 (max 18)	96%~3%		1- 5	95%- 3%		2-20	96%~7%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2 - 5 (max 21)	92%~4%		2 - 5 (max 15)	94%~6%		1- 5	96%- 6%		2-20	94%~23%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2 - 5 (max 25)	92%~4%		2 - 5 (max 18)	91%~3%		1- 5	82%- 5%		2-20	90%~2%	
Busch Jaeger ABB	6526 U	[LED]	2~100 VA-LED - Push (2wire)	2 - 19	92%~3%						0101 001		2-20	96%~24%	
ELKO Schneider	SBD200LED (CCTEL10501)	-] 4 ~ 200W(RC) 4 ~ 400W(RL)	2 - 5 (max 10)	89%~11%		2 - 5 (max 7)	90%~8%		1-5	91%-6%		2-20	92%~29%	
ELKO Schneider	SBD315RC (315 GLE) SBD420RCRL (CCTEL13011)	[RC] [RLC]	315W 420W	2 - 5 (max 16)	88%~3% 94%~3%		2 - 5 (max 11)	91%~3% 96%~3%		1-5	93%- 3% 96%- 6%		2-14 2-19	91%~6% 94%~14%	
Eltako	EVD61NPN-UC	[nee]	420W 400W 3-wire Push Module	2 - 5 (max 21)	94%~3%		2 - 5 (max 15)	96%~3%		1- 5	9070- 070		2-19	94%~14% 99%~15%	< 19
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 ~ 200W(RC) 4 ~ 400W(RL)	2 - 5 (max 10)	89%~11%		2 - 5 (max 7)	90%~8%		1- 5	91%- 6%		2-14	92%~29%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	2 - 5 (max 10) 2 - 5 (max 16)	88%~3%		2 - 5 (max 7) 2 - 5 (max 11)	91%~3%		1- 5	91%- 8%		2-20	0270 2070	
Feller Schneider	40420 (SBD420)	[RLC]	420W	2 - 5 (max 21)	94%~3%		2 - 5 (max 15)	96%~3%		1-5	96%- 6%				
GIRA	1176-00/01	[RLC]	50 ~ 420W	2 - 19	91%~12%								2-19	94%~36%	
GIRA	2390 00/ 100	[LED]	7~100W - Push (3wire)	2 - 5 (max 25)	86%~24%		2 - 5 (max 18)	91%~25%					2-13	97%~13%	
Hager	EVN 011	[RC]	300VA	2 - 15	96%~10%								2-14	97%~19%	< 6
Hager	EVN 012	[RC]	300W	2 - 15	96%~9%								2-14	98%~19%	< 5
Hager	EVN 004	[RL]	500VA	2 - 19	96%~10%								2-20	98%~19%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2 - 5 (max 26)	91%~3%		2 - 5 (max 19)	93%~11%		1- 5	94%- 6%		2-20	92%~26%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2 - 5 (max 25)	89%~3%		2 - 5 (max 18)	92%~3%					2-20	93%~37%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	3 - 6	72%~17%								2-5	88%~3%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	2 - 15	89%~3%								2-14	93%~3%	
Legrand	774161	[RL]	40 ~ 400 W - Turn	5	95%~3%			N.A.	N.A.					N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	2 - 19	91%~1%								2-18	96%~3%	< 3
Legrand	67081	[RL]	40 ~ 400 W - Turn	3 - 5 (max 20)	93%~3%		2 - 5 (max 14)	96%~3%						N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn	5	95%~5%		3 - 5 (max 14)	96%~3%						N.A.	N.A.
Legrand	67083 67084	[RLC] [RLC]	3 ~ 400W 8 - 300 VA - Push LED (3wire)	3 - 4	86%~3%		0 5 (may 10)	000/ 00/		1.5	050/ 00/		2-3	89%~12%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2 - 5 (max 15)	93%~3% 97%~3%		2 - 5 (max 10)	93%~3% 98%~3%		1- 5	95%- 3%		2-18	98%~20% N.A.	N.A.
Legrand Legrand	L4402N	[R]	60 ~ 500W	2 - 5 (max 15) 3 - 19	97%~3% 86%~11%		2 - 5 (max 10)	9070~370					8-20	91%~30%	IN.A.
Merten Schneider	SBD200LED (MEG5134-0000)] 4 ~ 200W(RC) 4 ~ 400W(RL)	2 - 5 (max 10)	89%~11%		2 - 5 (max 7)	90%~8%		1- 5	91%- 6%		2-20	92%~29%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2 - 5 (max 16)	88%~3%		2 - 5 (max 11)			1-5	93%- 3%		2-14	91%~6%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	2 - 5 (max 21)	94%~3%		2 - 5 (max 15)	96%~3%		1-5	96%- 6%		2-19	94%~14%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2 - 5 (max 23)	71%~3%		2 - 5 (max 16)	80%~4%		1-5	31%~3%		3-20	85%~20%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2 - 5 (max 25)	77%~3%		2 - 5 (max 18)	87%~3%		1- 5	86%-3%		3-20	89%~19%	
MK - Electric	K4501 WHILV	[RLC]	180W	2 - 11	84%~3%								3-10	89%~19%	
MK - Electric	K4500 WHILV	[RLC]	400W	2 - 16	86%~3%								3-15	90%~20%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	2 - 5	96%~3%								2-5	97%~8%	
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	2 - 6	80%~3%								2-5	89%~10%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2 - 5 (max 25)	92%~4%		2 - 5 (max 18)	91%~3%		1- 5	82%- 5%		2-20	90%~3%	
RELCO	RP0977	[LED]	4-100W	2 - 5	96%~16%					1- 5	99%- 3%				ļ
RELCO	RM0545	[LED]	4-100W	2 - 5	88%~3%					1- 5	96%- 3%				
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2 - 5 (max 16)	88%~3%		2 - 5 (max 11)	91%~3%		1- 5	93%- 3%		2-14	91%~6%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2 - 5 (max 16)	88%~3%		2 - 5 (max 11)	91%~3%		1-5	93%- 3%		2-14	91%~6%	
Schneider	SBD200 (WDE 002299)	(DC)	4 ~ 400VA - Turn Universal (2wire)	2 - 5 (max 10)	89%~11%		2 - 5 (max 7)	90%~8%		1-5	91%-6%		2-20	92%~29%	
Schneider VADSBO	SBD315RC (SBD 315) ED 350	[RC]	315W 50 ~ 350W	2 - 5 (max 16)	88%~3%		2 - 5 (max 11)	91%~3%		1- 5	93%- 3%		2-14	91%~6%	
VADSBO	DRS 315	[RC]	50 ~ 315W	2 - 18 2 - 16	86%~10% 92%~5%								2-16 8-14	93%~34% 95%~24%	< 15
VADSBO	DU 250	[RC]	20 ~ 250W	2 - 16	92%~5% 70%~3%								2-11	95%~24% 89%~11%	< 15
Varilight	HQ3W	[R]	60-400W	2 - 13 2 - 5 (max 20)	91%~3%		2 - 5 (max 14)	92%~3%		1- 5	50%~3%		2-11	98%~14%	× 12
Varilight	ICT401 M	[RC]	20-400W	2 - 3 (max 20) 2 - 19	75%~3%		2 3 (max 14)	0270 070					2-18	94%~10%	
Vimar	20148	[RL]	500W	2 - 5 (max 25)	93%~3%	< 6	2 - 5 (max 18)	94%~3%	< 5				2-20	94%~17%	
Vimar	14153	[R]		2 - 19	99%~3%		(2-20	98%~3%	
Vimar	20160	[RC]		2 - 15	90%~3%								2-14	94%~13%	< 15
Vimar	20162	[RL]	40 ~ 300W	2 - 5 (max 15)	91%~3%	< 6	2 - 5 (max 10)	90%~3%	< 6				3-13	93%~14%	
Philips Dynalite	DDLE801		(100W per channel)	2 - 5	79%~3%		2 - 5	90%~3%							
Philips Dynalite	DDTM102 Module		(460 W per channel)	2 - 5 (max 20)	87%~3%		2 - 5 (max 16)	90%~3%							

Note #1) . Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

41) Occupancy sensors can act like dimmers therefore Signify recommend to use dimmable lamps in combination with it.
 42) Occupancy sensors can act like dimmers therefore Signify recommend to use dimmable lamps in combination with it.
 43) 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.
 44) 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 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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#4b) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) 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.
King for answer the hold recensive in the compatibility list due to technical changes in dimmers.

Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

Disclaimer:

1

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

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

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



KEY

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

LED spot

Brand Type [Type] Load Berker IINSTA 286710 [R] 60~400 W - Turn Berker IINSTA 283010 [R] 60~400 W - Turn Bticino L4407 60~250 W N.A. N.A.	GU10 CRI90 GU10 CRI90 GU10 36D CRI90 / GU10 60D CRI90
Berker INSTA 286710 [RC] 20 ~ 360 W - Turn 2-15 85%~19% 2 - 8 (max 1) Berker INSTA 283010 [R] 60 ~ 400 W - Turn 2-15 88%~19% 2 - 8 (max 1)	X X X
Berker INSTA 286710 [RC] 20 ~ 360 W - Turn 2-15 85%~19% 2 - 8 (max 1 Berker INSTA 283010 [R] 60 ~ 400 W - Turn 2-15 88%~19% 2 - 8 (max 1	Bimming Range Glowing Performance Bimming Range Bimming Range Bimming Bimming Clowing Glowing
Berker INSTA 283010 [R] 60 ~ 400 W - Turn 2-15 88%~19% 2 - 8 (max 2)	
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 2-15 89%~17% 2 - 8 (max 2)	x 21) 86%~4% 2 - 8 (max 16) 92%~3% 3 - 5 (max 21) 88%~31%
Busch Jaeger ABB 2247 U [R L] 20 ~ 500 W - Turn 2-18 97%~6% 2 - 8 (max 2)	
Busch Jaeger ABB 2250 U [R] 60 ~ 600 W - Turn 2-20 98%~4% 2 - 8 (max 2 Busch Jaeger ABB 5513 U 102 40 400 W - Turn 2 - 8 (max 2 98%~4% 2 - 8 (ma	
Busch Jaeger ABB 6513 U - 102 [RC] 40 ~ 420 W - Turn 2-15 87%~20% 2 - 8 (max 2 Busch Jaeger ABB 6523 U [LED] 2 ~ 100 VA-LED - Turn 2-20 93%~17% 2 - 8 (max 2	
Busch Jaeger (ABB 6526 U [LED] 2 ~ 100 VA-LED - Push (2wire) 2-18 96%~18% 2 - 20	
ELKOJ Schneider SBD200LED (CCTEL10501) [LED/RC] 4~200W(RC) 4~400W(RL) 2-15 85%~23%	N.A. N.A. 2 - 8 92%-3% N.A. N.A. N.A.
ELKO Schneider SBD315RC (315 GLE) [RC] 315W 2-11 91%~5% 3 - 8 (max 1)	x 17) 95%~3% 2 - 8 (max 12) 92%~3% 3 - 5 (max 17) 96%~9%
ELKO Schneider SBD420RCRL (CCTEL13011) [RLC] 420W 2-15 97%~13%	N.A. N.A. 3 - 8 (max 17) 95%~3% N.A. N.A.
Eltako EVD61NPN-UC 400W 3-wire Push Module 2-15 99%~14% < 16 2 - 20	
Feller Schneider 40200 (SBD200LED CCTCH10601) [LED/RC] 4~200W(RC) 4~400W(RL) 2-15 85%~23% Feller Schneider 40300 (SBD315) [RLC] 300W 3 - 8 (max 1)	N.A. N.A. 2 - 8 92%~3% N.A. N.A. x 17) 95%~3% 2 - 8 (max 12) 92%~3% 3 - 5 (max 17) 96%~9%
Feller Schneider 40420 (SBD420) [RLC] 420W Image: Comparison of the scheme of	N.A. N.A. 3 - 8 (max 17) 95%~3% 5 - 5 (max 17) 95%~3%
GIRA 1176-00/01 [RLC] 50~420W 2-15 95%~32% 2-20	
GIRA 2390 00/100 [LED] 7~100W - Push (3wire) 2-18 90%~14% 3 - 8 (max 2	x 27) 90%~3% 3 - 8 (max 20) 91%~3% 3 - 8 (max 27) 91%~15% <3
Hager EVN 011 [RC] 300VA 2-11 97%~16% < 12 2 - 16	
Hager EVN 012 [RC] 300W 2-11 97%~16% < 12 2 - 16	
Hager EVN 004 [RL] 500VA 2-18 97%~16% 2 - 20 Jung 225 TDE [RC] 20 ~ 525 W - Turn 2-15 87%~22% 2 - 8 (max 2	
Jung 1271LEDDE [LED] 3 ~ 100W - Push (3wire) 2-20 88%~35% 2 - 8 (max 2)	
Klik aan Klik uit AWMD-250 [LED] 3 ~ 24W 2-4 87%~37% 2 - 6	
Klik aan Klik uit ACM 300 300W - 3-wire Push LED Dimmer N.A. N.A. 2 - 16	<u>3 99%~3%</u> 2 - 12 87%~3% 89%~14% <7
Legrand 774161 [RL] 40 ~ 400 W - Turn N.A. N.A.	N.A. N.A. 2 - 8 (max 16) 95%~3% <4 N.A. N.A.
Legrand 78401 [RLC] 40 ~ 500W 2-15 92%~16% < 3 2 - 20	
Legrand 67081 [RL] 40~400 W - Turn N.A. N.A. Legrand 67082 [RL] 40~600 W - Turn N.A. N.A.	N.A. N.A. 3 - 8 (max 16) 95%~3% N.A. N.A. N.A. N.A. 3 - 8 (max 24) 94%~3% N.A. N.A.
Legrand 67083 [RLC] 3~400W N.A. N.A. 2-20	
Legrand 67084 [RLC] 8 - 300 VA - Push LED (3wire) 2-15 88%~15% 2 - 8 (max 1	
Legrand 67085 (078406) [RLC] 8 - 300 VA - Push LED (3wire) 2-11 99%~3% 2 - 8 (max 1)	x 16) 99%~3% 2 - 8 (max 12) 95%~3% 2 - 5 (max 16) 97%~3%
Legrand L4402N [R] 60~500W 3-18 86%~28% 3 - 20	
Merten Schneider SBD200LED (MEG5134-0000) [LED/RC] 4 ~ 200W(RC) 2 - 15 85%~23%	N.A. N.A. 2-8 92%~3% N.A. N.A.
Merten Schneider SBD315RC (MEG5136-0000) [RC] 315W 2-11 91%-5% 3 - 8 (max 1 Merten Schneider SBD420RCRL (MEG5138-0000) [RLC] 20 ~ 420 VA 2-15 97%-13%	x 17) 95%~3% 2 - 8 (max 12) 92%~3% 3 - 5 (max 17) 96%~9% N.A. N.A. 3 - 8 (max 17) 95%~3% N.A. N.A.
Miller III Schnicker SSS Score 213 37%-15% 2 - 8 (max 2 MK - Electric K1535 [R] 65 ~ 450 W - Turn 2-15 77%-15% 2 - 8 (max 2	
MK - Electric K1501 WHILV [R] 60 ~ 500 W - Turn 2-18 81%~17% 2 - 8 (max 2)	
MK - Electric K4501 WHILV [RLC] 180W 2-8 90%~19% 2 - 12	2 86%~4% 2 - 9 86%~4% 2 - 12 85%~15%
MK - Electric K4500 WHILV [RLC] 400W 2-15 88%~19% 2 - 20	
NIKO 310-0280X [LED] 2 ~ 100 VA 2-4 97%~7% 2 - 5 DELLA 4314AN (DL) 6 120W/(ED) 5 60W 2.4 97% 7% 2 - 5	
PEHA 431HAN [RL] 6 ~ 120W [LED] 6 ~ 60W 2-4 87%~10% 2 - 6 Philips UID8670 [LED] 2 ~ 100 VA-LED - Push (3wire) 2-20 93%~17% 2 - 8 (max 2	
RELCO RP0977 [LED] 4-100W 2-5	
RELCO RM0545 [LED] 4-100W 2 - 5	
Schneider SBD315RC (SBD 315, SDD 315) [RC] 315W 2-11 91%~5% 3 - 8 (max 1)	x 17) 95%~3% 2 - 8 (max 12) 92%~3% 3 - 5 (max 17) 96%~9%
Schneider SBD315RC (ATD315)(CCT011533) [RC] 315W 2-11 91%~5% 3 - 8 (max 1	
Schneider SBD200 (WDE 002299) 4 ~ 400VA ~ Turn Universal (2wire) 2-15 85%~23% Schneider SBD315RC (SBD 315) IRC 315W 2-11 91%~5% 3 - 8 (max 1)	N.A. N.A. 2 - 8 92%~3% N.A. N.A. N.A.
Schneider SBD315RC (SBD 315) [RC] 315W 2-11 91%~5% 3 - 8 (max 1 VADSBO ED 350 [RC] 50 ~ 350W 2-13 88%~29% 2 - 20	
VADSBO DES 350 (RC) 550 - 550 W 2-13 66%-29% 2 - 20 VADSBO DRS 315 [RC] 50 ~ 315W 3-11 97%-21% < 12	
VADSBO DU 250 [RC] 20 ~ 250W 2-9 89%~9% < 10 2 - 14	
Varilight HQ3W [R] 60-400W 2-15 88%~8% 2 - 8 (max 2)	
Varilight ICT401 M [RC] 20-400W 2-15 92%~7% 2 - 20	
Vimar 20148 [RL] 500W 2-18 88%~16% < 4 2 - 8 (max 2) Vimar 1452 (D) 2014	
Vimar 14153 [R] 2-18 97%~9% 2-20 Vimar 20160 (RC) 2.19 0.4%=12% 2.10 2.20	
Vimar 20160 [RC] 2-18 94%~12% < 19 2 - 20 Vimar 20162 [RL] 40 ~ 300W 2-11 84%~11% < 4	
Philips Dynalite DDLE801 (100W per channel) 2-18 88%~9% 2 - 8	
Philips Dynalite DDTM102 Module (460 W per channel) 2-16 90%~3% 2 - 8 (max 2	

Note #1) . Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

- #2) Occupancy sensors can act like dimmers can be todated to specified power/
 #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: Sometimes fickering is observed due to low oliminer loads, best visible at deep dimining
 #4a) Yellow cells indication: Dimining 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: Dimining 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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 #4b) Yellow cells indication: Dimining 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 toge, 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.

- Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers
- #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaimer:

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



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



KEY

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

LED spot

				MAST	ER LED spot 1 D 4.9-50W GU10 CRI 90	VALUE	MASTER LED spot VALUE D 6.2-80W GU10 36D CRI90 MasterLED spot VALUE 650lm GU10 120D CRI90				CorePro LED sp D 4-35W GU10 CRI80 36		CorePro LED spot D 5-50W GU10 CRI80 36D			
		1		Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	mming ange	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand Berker INSTA	Type	[Type]	Load			פו			ซ		öä	ซ			פו	
Berker INSTA	286710 283010	[RC]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	2 - 5 (max 14) 2 - 5 (max 16)	93%~26% 98%~23%		2- 5 2- 5	89%- 20% 93%- 20%		2 - 8 2 - 8	94%- 8% 87%- 3%		2 - 8 2 - 8	92%- 3% 93%- 3%		
Bticino	L4407		60 ~ 250 W	2 - 5 (max 10)	N.A.	N.A.	2- 5	9370-2076		2 = 0	N.A.	N.A.	2 = 0	N.A.	N.A.	
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2 - 5 (max 16)	92%~34%		2-5	91%- 17%		2 - 8	86%- 4%		2 - 8	92%-3%		
Busch Jaeger ABB	2247 U	[R L]	20 ~ 500 W - Turn	2 - 5 (max 16)	95%~9%		2-5	93%- 7%		2 - 8	86%- 3%		2 - 8	94%- 3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	2 - 5 (max 20)	98%~5%		2-5	95%- 4%		2 - 8	89%- 3%		2 - 8	94%- 3%		
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2 - 5 (max 17)	96%~21%		2-5	92%- 18%		2 - 8	96%- 4%		2 - 8	94%-3%		
Busch Jaeger ABB Busch Jaeger ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	2 - 5 (max 20)	93%~3% 95%~16%		2-5	88%- 3%		2 - 8	89%- 3%		2 - 8	89%- 3% 94%- 3%		
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL)	2 - 20 2 - 5	93%~18%		2-5	90%- 24%		2 - 20	93%- 3% N.A.	N.A.	2 - 20 2- 8	94%- 3% 92%- 3%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2 - 5 (max 12)	94%~7%		2-5	89%- 4%		3- 8	95%- 3%		2-8	92%- 3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	2 - 5 (max 17)	97%~15%		2-5	95%- 12%			N.A.	N.A.	3- 8	95%- 3%		
Eltako	EVD61NPN-UC		400W 3-wire Push Module	2 - 16	99%~10%					2 - 20	99%- 3%		2 - 16	99%- 3%		
Feller Schneider	40200 (SBD200LED CCTCH10601)		4 ~ 200W(RC) 4 ~ 400W(RL)	2 - 5	93%~28%		2-5	90%-24%			N.A.	N.A.	2-8	92%-3%		
Feller Schneider Feller Schneider	40300 (SBD315) 40420 (SBD420)	[RLC] [RLC]	300W 420W	2 - 5 (max 12)	94%~7% 97%~15%		2- 5 2- 5	89%- 4% 95%- 12%		3- 8	95%- 3% N.A.	N.A.	2- 8 3- 8	92%- 3% 95%- 3%		
GIRA	1176-00/01	[RLC]	50 ~ 420W	2 - 5 (max 17) 2 - 17	97%~15%		2- 5	95%-12%		2 - 20	N.A. 93%- 3%	N.A.	3- 8 2- 16	95%- 3% 94%- 3%		
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	2 - 5 (max 20)	91%~14%		2-5	88%- 36%		2 - 8	91%- 3%					
Hager	EVN 011	[RC]	300VA	2 - 12	98%~21%					2 - 17	98%- 5%		2- 12	99%- 3%		
Hager	EVN 012	[RC]	300W	2 - 12	97%~21%					2 - 17	98%- 5%		2- 12	99%- 3%		
Hager	EVN 004	[RL]	500VA	2 - 20	99%~21%					2 - 17	98%- 5%		2-20	97%-3%		
Jung Jung	225 TDE 1271LEDDE	[RC] [LED]	20 ~ 525 W - Turn 3 ~ 100W - Push (3wire)	2 - 5 (max 21)	93%~28% 93%~13%		2- 5 2- 5	89%-19%		2 - 8 2 - 8	96%- 8%		2 - 8 2 - 8	91%-3%		
Klik aan Klik uit	AWMD-250	[LED]	3~24W	2 - 5 (max 20) 2 - 5	84%~32%		2- 5	88%-11%		2 - 8	91%- 3% 83%- 7%	<3	2 - 8	91%- 3% 78%- 3%		
Klik aan Klik uit	ACM 300	11	300W - 3-wire Push LED Dimmer		90%~14%					2 - 17	80%- 3%		2 - 12	89%-3%		
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	2-5	94%- 17%			N.A.	N.A.	2 - 8	94%- 3%		
Legrand	78401	[RLC]	40 ~ 500W	2 - 16	93%~11%	<3				2 - 20	95%- 3%		2 - 16	94%- 3%		
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.	2-5	93%- 15%			N.A.	N.A.	3 - 8	95%-3%		
Legrand	67082 67083	[RL] [RLC]	40 ~ 600 W - Turn 3 ~ 400W		N.A. 96%~10%	N.A.	2-5	95%- 17%		2 - 20	N.A. 84%- 3%	N.A.	3 - 8 2 - 16	94%-3%		
Legrand Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2 - 5 (max 12)		<3	2-5	93%- 13%		2 - 20	96%- 4%	<3	2 - 16	81%-3% 93%-3%		
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2 - 5 (max 12)	98%~3%	~0	2-5	97%- 3%		2 - 8	99%- 3%	~0	2 - 8	95%-3%		
Legrand	L4402N	[R]	60 ~ 500W	2 - 20	93%~28%						N.A.	N.A.	3 - 20	78%- 3%		
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2 - 5	93%~28%		2-5	90%- 24%			N.A.	N.A.	2-8	92%- 3%		
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2 - 5 (max 12)	94%~7%		2-5	89%- 4%		3- 8	95%- 3%		2-8	92%-3%		
Merten Schneider MK - Electric	SBD420RCRL (MEG5138-0000) K1535	[RLC]	20 ~ 420 VA 65 ~ 450 W - Turn	2 - 5 (max 17)	97%~15% 85%~19%		2-5	95%- 12% 81%~17%			N.A. N.A.	N.A.	3-8	95%-3%		
MK - Electric	K1555 K1555	[R]	60 ~ 500 W - Turn	2 - 8 (max 18) 2 - 8 (max 20)	91%~19%		2- 5 2- 5	81%~17%		2 - 8	N.A. 80%- 3%	N.A.	2 - 8 2 - 8	70%- 3% 87%- 3%		
MK - Electric	K4501 WHILV	[RLC]	180W	2 - 0 (max 20) 2 - 9	86%~15%			0070 1070		2 - 13	78%- 3%		2 - 8	86%-3%		
MK - Electric	K4500 WHILV	[RLC]	400W	2 - 13	87%~15%					2 - 20	77%- 3%		2 - 16	83%- 3%		
NIKO	310-0280X	[LED]	2 ~ 100 VA	2 - 4	96%~5%					2 - 6	98%- 3%		2 - 4	97%- 3%		
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	2 - 5	86%~7%					2 - 3	76%- 3%		2 - 5	81%-3%		
Philips RELCO	UID8670 RP0977	[LED] [LED]	2 ~ 100 VA-LED - Push (3wire) 4-100W	2 - 5 (max 20)	93%~3%		2- 5	88%- 3%		2 - 8	89%- 3%		2 - 8	89%- 3%		
RELCO	RM0545	[LED]	4-100W	2 - 4 2 - 4	97%~29% 89%~14%					2 - 6 2 - 6	97%- 9% 94%- 3%		2 - 4 2 - 4	97%- 6% 92%- 3%		
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2 - 4 2 - 5 (max 12)	94%~7%		2-5	89%- 4%		3-8	95%- 3%		2-4	92%-3%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2 - 5 (max 12)	94%~7%		2-5	89%- 4%		3- 8	95%- 3%		2-8	92%-3%		
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	2 - 5	93%~28%		2-5	90%- 24%			N.A.	N.A.	2-8	92%- 3%		
Schneider	SBD315RC (SBD 315)	[RC]	315W	2 - 5 (max 12)	94%~7%		2- 5	89%- 4%		3-8	95%- 3%		2-8	92%-3%		
VADSBO	ED 350 DRS 315	[RC] [RC]	50 ~ 350W 50 ~ 315W	2 - 14 2 - 12	87%~25%					2 - 20	90%- 7% N.A.	N.A.	2-14	88%-4%		
VADSBO	DU 250	[RC]	20 ~ 250W	2 - 13 2 - 10	93%~17% 83%~7%	< 14 < 11				2 - 14	N.A. 91%- 3%	N.A.	2- 13 2 - 10	93%- 3% 80%- 3%	<11	
Varilight	HQ3W	[R]	60-400W	2 - 5 (max 16)	97%~11%		2- 5	91%- 10%		2 - 8	85%- 3%		2 - 8	93%- 3%		
Varilight	ICT401 M	[RC]	20-400W	2 - 16	84%~3%					2 - 20	84%- 3%		2 - 16	86%-3%		
Vimar	20148	[RL]	500W	3 - 5 (max 20)	95%~17%	< 6	2- 5	93%~14%	<6	2 - 8	87%- 3%	<9	3 - 8	92%- 3%	<9	
Vimar	14153	[R]		< 6	99%~3%					2 - 8	97%- 3%		2 - 20	94%- 3%		
Vimar	20160	[RC]	40 2001	2 - 12	96%~9%	< 13	0.5	000/ 100/		2 - 20	83%- 3%	<9	3 - 20	94%-3%	<14	
Vimar Philips Dynalite	20162 DDLE801	[RL]	40 ~ 300W (100W per channel)	2 - 5 (max 12) 2 - 8	94%~18% 93%~9%	< 6	2- 5 2- 5	90%~13% 88%~8%	<6	2 - 8 2 - 8	94%- 4% 90%- 3%	<9	2 - 8 2 - 8	91%- 3% 89%- 3%	<9	
Philips Dynalite	DDTM102 Module		(460 W per channel)	2 - 8 (max 18)	95%~5%		2-5	90%~4%		2 - 8	94%- 3%		2 - 8	89%-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 can be todated to specified power/
 #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 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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#4b) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) 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.
King for answer the hold recensive in the compatibility list due to technical changes in dimmers.

Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

Disclaimer:

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

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

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

								Y		3	T			Y	
				Dimming Performance	mming	Glowing	Dimming Performance	mming ange	Glowing	Dimming Performance	mming inge	Glowing	Dimming Performance	Dimming Range	Glowing
Brand	Туре	[Type]	Load	Dim	Dim Ran	Glo	Dim	Dim Ran	Glo	Dim	Dim Ran	Glo	Dim	Dim Ran	Glo
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1 - 10	91%- 12%		1 - 8	93%- 12%		1 - 5	94%- 13%		1 - 15	89%~20%	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1 - 5	93%- 6%		1 - 8	96%- 11%		1 - 5	96%- 12%		1 - 4	94%~14%	
Bticino	L4407		60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.			
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1 - 10	93%- 6%		1 - 8	95%- 11%		1 - 8	97%- 57%		1 - 15	91%~12%	
Busch Jaeger ABB	2247 U	[R L]	20 ~ 500 W - Turn	1 - 14	92%- 3%		1 - 11	94%- 3%		1 - 8	95%- 3%		1 - 10	92%~16%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	1 - 8	95%- 3%		1 - 13	96%- 3%		1 - 9	96%- 3%		2 - 20	96%~6%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1 - 15	92%- 12%		1 - 9	93%- 12%		1	93%- 12%		1 - 15	94%~18%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1 - 14	93%- 3%		1 - 11	95%- 3%		1 - 15	96%- 3%		1 - 20	90%~2%	
Busch Jaeger ABB	6526 U	[LED]	2~100 VA-LED - Push (2wire)	1 - 17	94%- 10%		1 - 11	95%- 12%		1 - 8	93%- 11%				
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4~200W(RC) 4~400W(RL)	1 - 10	92%- 14%		1 - 8	92%- 18%		1 - 5	93%- 15%		1 - 15	89%~23%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1 - 9	92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		1 - 15	89%~5%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1 - 12	94%- 7%		1 - 9	96%- 7%			N.A.	N.A.	1 - 15	93%~12%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module	1 - 13	98%- 7%		1 - 8	95%- 7%		1 - 6	96%- 8%				
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4~200W(RC) 4~400W(RL)	1 - 10	92%- 14%		1 - 8	92%- 18%		1 - 5	93%- 15%		1 - 15	89%~23%	
Feller Schneider	40300 (SBD315)	[RLC]	300W	1 - 9	92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		1 - 15	89%~5%	
Feller Schneider	40420 (SBD420)	[RLC]	420W	1 - 12	94%- 7%		1 - 9	96%- 7%			N.A.	N.A.	1 - 15	93%~12%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	1 - 14	96%- 17%		1 - 9	88%- 7%			N.A.	N.A.			
GIRA	2390 00/ 100	[LED]	7~100W - Push (3wire)	1 - 10	93%- 3%		1 - 9	97%- 3%		1 - 5	94%- 4%		1 - 20	91%~12%	
Hager	EVN 011	[RC]	300VA	1 - 10	98%- 8%		1 - 6	96%- 6%		5	97%- 9%				
Hager	EVN 012	[RC]	300W	1 - 10	98%- 13%		1 - 6	96%- 14%		5	97%- 14%				
Hager	EVN 004	[RL]	500VA	1 - 17	98%- 14%		1 - 11	97%- 14%		8	97%- 14%				
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1 - 15	98%- 13%		1 - 11	93%- 13%		1 - 8	92%- 14%		1 - 20	89%~22%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1 - 10	92%- 3%		1 - 10	94%- 3%		1 - 8	95%- 3%		1 - 20	91%~34%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	1 - 4	93%- 19%		1 - 3	89%- 20%		1 - 2	92%- 21%				
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer	1 - 10	58%- 3%		1 - 6	84%- 3%		1 - 5	81%- 3%				
Legrand	774161	[RL]	40 ~ 400 W - Turn	2 - 11	93%- 6%		1 - 8	96%- 6%		1 - 6	97%- 7%			N.A.	N.A.
Legrand	78401	[RLC]	40 ~ 500W	1 - 13	94%- 7%		5-8	93%- 8%			N.A.	N.A.			
Legrand	67081	[RL]	40 ~ 400 W - Turn	2 - 9	94%- 5%		1 - 6	96%- 3%		1 - 5	98%- 7%			N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn	2 - 15	94%- 5%		1 - 13	96%- 3%			N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400W	1 - 3	94%- 3%		1-2	89%- 3%		1 - 6	92%- 3%				
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1 - 11	93%- 8%		1 - 8	94%- 3%			N.A.	N.A.	1 - 15	92%~14%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1 - 9	97%- 3%		1-6	98%- 3%			N.A.	N.A.	1 - 10	97%~3%	
Legrand	L4402N	[R]	60 ~ 500W		N.A.	N.A.		N.A.	N.A.	2-3	91%- 15%	14.7 4.		0170 070	
Merten Schneider	SBD200LED (MEG5134-0000)] 4 ~ 200W(RC) 4 ~ 400W(RL)	1 - 10	92%- 14%	11.7.	1 - 8	92%- 18%	11.74.	1 - 5	93%- 15%		1 - 15	89%~23%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	1 - 9	92%-4%		1 - 7	94%- 4%		1 - 5	94%- 4%		1 - 15	89%~5%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1 - 12	94%- 7%		1 - 9	96%- 7%			N.A.	N.A.	1 - 15	93%~12%	
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1 - 12	77%-7%		1-5	84%- 5%		1 - 7	88%- 10%	N.A.	2 - 4	82%~19%	
MK - Electric	KI501 WHILV	[R]	60 ~ 500 W - Turn	1 - 15	96%-30%		1-3	84%-5%		1 - 8	93%- 6%		1 - 20	88%~17%	
MK - Electric	K4501 WHILV	[RLC]	180W	1 - 7	92%- 5%		1 - 9	93%- 8%		1 - 3	92%- 8%		1-20	0070-1776	
MK - Electric	K4500 WHILV	[RLC]	400W	1 - 7	92%- 5% 99%- 29%		1 - 9	93%- 8%		1 - 3	92%- 8% 91%- 6%				
NIKO	310-0280X	[LED]	2 ~ 100 VA								91%- 6% 94%- 5%				
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-3	96%- 4%		1-2	86%-4%		1 - 2					
Philips	UID8670			1 - 4	95%- 3%		1-3	86%- 3%		1 - 2	91%- 3%				
RELCO	RP0977	[LED]	2 ~ 100 VA-LED - Push (3wire) 4-100W	1 - 14	93%- 3%		1 - 11	95%- 3%		1 - 15	96%-3%				
RELCO		[LED]		1-3	99%- 15%		1-2	89%- 13%		1 - 2	99%- 17%				
Schneider	RM0545	[LED]	4-100W 315W	1-3	92%-8%		1-2	83%-8%		1-3	93%- 9%		4.45	000/ 50/	
	SBD315RC (SBD 315, SDD 315)	[RC]		1-9	92%-4%		1-7	94%- 4%		1-5	94%- 4%		1 - 15	89%~5%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-9	92%-4%		1-7	94%- 4%		1-5	94%- 4%		1 - 15	89%~5%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	1 - 10	92%- 14%		1-8	92%- 18%		1 - 5	93%- 15%		1 - 15	89%~23%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-9	92%-4%		1-7	94%- 4%		1 - 5	94%- 4%		1 - 15	89%~5%	
VADSBO	ED 350	[RC]	50 ~ 350W	1 - 12	93%- 14%		1 - 7	82%- 13%		1 - 5	90%- 1%				
VADSBO	DRS 315	[RC]	50 ~ 315W	1 - 11	95%-10%		1-7	90%- 10%		1 - 5	94%- 11%		_		
VADSBO	DU 250	[RC]	20~250W	1 - 14	96%- 17%		1 - 5	88%- 15			N.A.	N.A.			
Varilight	HQ3W	[R]	60-400W	1 - 8	91%- 5%		1 - 8	95%- 4%		1 - 6	94%- 5%		1 - 15	94%~13%	
Varilight	ICT401 M	[RC]	20-400W	1 - 13	94%- 5%		1 - 8	89%- 5%		1 - 6	93%- 5%				
Vimar	20148	[RL]	500W	1 - 14	92%- 4%		1 - 11	97%- 3%		1 - 8	95%- 5%		2 - 20	92%~16%	< 21
Vimar	14153	[R]		1 - 15	99%- 3%		1 - 11	89%- 3%		1 - 8	96%- 3%				
Vimar	20160	[RC]		1 - 10	95%- 3%		1 - 6	90%- 3%		1 - 8	92%- 3%				
Vimar	20162	[RL]	40 ~ 300W	1 - 9	91%- 7%		1 - 6	96%- 8%		1 - 5	35%- 7%		1 - 10	90%~12%	< 11
Philips Dynalite	DDLE801		(100W per channel)	1 - 14	95%- 3%		1 - 11	93%- 3%		1 - 8	94%- 3%		1 - 20	88%~9%	
Philips Dynalite	DDTM102 Module	1	(460 W per channel)	1 - 13	99%- 3%		1-9	96%- 3%		1 - 7	93%- 4%		1 - 20	90%~3%	

							fault	S		-			
NATER ILDroot CLSSIC D 5 P0100 CBID P00020 250 MATER ILDroot CLSSIC D 5 P01000 CBID P00020 250 MATER ILDroot CLSSIC D 5 P010000 CBID P00100 250 MATER ILDroot CLSSIC D 5 P01000000 CBID P00100 250 MATER ILDroot CLSSIC D 5 P010000000000000000000000000000000000													
ASTER LEDspot CLA	ASSIC	MAS	TER LEDspot CLA			TER LEDspot CLA	SSIC		CoreProLEDspot				
D 6-50W CRIBO PAR20 25 Image: Imag			D 9.5-75W			D 13-100W		D 4.3-60W					
1000			Contribuci			0							
VIII/			1						TH				
12			1			T			1				
1			. The second sec			4			ų.				
60	50	g lance	50	50	g lance	50	50	g lance	60	bû			
nmin nge	owing	nmin rform	nmin nge	wing	nmin rforr	nmin nge	owing	rform	nmin nge	Glowing			
	ĕ			er			Gl			er			
	NA	1 - 0		NA	1-5		NA	1 - 4	94%~14%				
	11.74	1 - 8		11.75	1-8		19.75	1 - 15	91%~12%				
95%- 3%		1 - 13	96%- 3%		1 - 9	96%- 3%		2 - 20	96%~6%				
92%- 12%		1 - 9	93%- 12%		1	93%- 12%		1 - 15	94%~18%				
93%- 3%		1 - 11	95%- 3%		1 - 15	96%- 3%		1 - 20	90%~2%				
94%- 10%		1 - 11	95%- 12%		1 - 8	93%- 11%							
92%- 14%		1 - 8	92%- 18%		1 - 5	93%- 15%		1 - 15	89%~23%				
92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		1 - 15	89%~5%				
						_	N.A.	1 - 15	93%~12%				
					1-5		NI A						
								1 - 15	9370~1270				
					1-5		19.75	1 - 20	91%~12%				
98%- 13%		1 - 6	96%- 14%		5	97%- 14%							
98%- 14%		1 - 11	97%- 14%		8	97%- 14%							
98%- 13%		1 - 11	93%- 13%		1 - 8	92%- 14%		1 - 20	89%~22%				
92%- 3%		1 - 10	94%- 3%		1 - 8	95%- 3%		1 - 20	91%~34%				
93%- 19%		1 - 3	89%- 20%		1 - 2	92%- 21%							
		1 - 6											
					1 - 6				N.A.	N.A.			
							N.A.						
					1-5		NI A			N.A.			
					1 - 6		N.A.		N.A.	N.A.			
					1-0		NA	1 - 15	92%~14%				
	N.A.			N.A.	2-3								
		1 - 8			1 - 5	93%- 15%		1 - 15	89%~23%				
92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		1 - 15	89%~5%				
94%- 7%		1 - 9	96%- 7%			N.A.	N.A.	1 - 15	93%~12%				
77%- 7%		1 - 5	84%- 5%		1 - 7	88%- 10%		2 - 4	82%~19%				
96%- 30%		1 - 7	84%- 5%		1 - 8	93%- 6%		1 - 20	88%~17%				
92%- 5%		1 - 9	93%- 8%		1 - 3	92%- 8%							
99%- 29%		1 - 11	93%- 6%		1 - 6	91%- 6%							
96%- 4%		1 - 2	86%-4%		1 - 2	94%- 5%							
95%-3%		1-3	86%-3%		1-2	91%- 3%							
93%- 3%		1 - 11	95%- 3%		1 - 15	96%-3%							
99%- 15%		1-2	89%-13%		1-2	99%- 17%							
92%- 8%		1-2	83%-8%		1-3	93%- 9%		1.17	909/ 59/				
92%- 4%		1 - 7	94%- 4%		1 - 5	94%- 4%		1 - 15	89%~5%				

Note #1) . Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

#2) Occupancy sensors can act like dimmers can be todated to specified power/
 #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: Sometimes fickering is observed due to low oliminer loads, best visible at deep dimining
#4a) Yellow cells indication: Dimining 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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#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.

Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers

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

Disclaimer:

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

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

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

					1
Brand	Туре	[Type]	Load	Dimming Performance	Dimming
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2-15	97%~
Berker INSTA	283010	[R]	60 ~ 400 W - Turn		
Bticino	L4407		60 ~ 250 W		
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	2-15	97%~
Busch Jaeger ABB	2247 U	[R L]	20 ~ 500 W - Turn	2-20	98%~
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	2-20	98%~
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	2-15	98%~
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2-20	95%~
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)		
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	99%~
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	2-10	97%~
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A
Eltako	EVD61NPN-UC		400W 3-wire Push Module		
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	99%~
Feller Schneider	40300 (SBD315)	[RLC]	300W	2-10	97%~
Feller Schneider	40420 (SBD420)	[RLC]	420W		N.4
GIRA	1176-00/01	[RLC]	50 ~ 420W		
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	2-19	95%~
Hager	EVN 011	[RC]	300VA		
Hager	EVN 012	[RC]	300W		
Hager	EVN 004	[RL]	500VA		
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-20	98%~
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-20	96%~
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		N.4
Legrand	78401	[RLC]	40 ~ 500W	3-10	97%~
Legrand	67081	[RL]	40 ~ 400 W - Turn		
Legrand	67082	[RL]	40 ~ 600 W - Turn	3-20	97%~
Legrand	67083	[RLC]	3 ~ 400W		
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-15	97%~
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-11	99%~
Legrand	L4402N	[R]	60 ~ 500W		
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4~200W(RC) 4~400W(RL)	2-10	99%~
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	2-10	97%~
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.4
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-17	87%~
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-19	93%~
MK - Electric	K4501 WHILV	[RLC]	180W		
MK - Electric	K4500 WHILV	[RLC]	400W		
NIKO	310-0280X	[LED]	2 ~ 100 VA		
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W		
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	95%~
RELCO	RP0977	[LED]	4-100W		
RELCO	RM0545	[LED]	4-100W		
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-10	97%~
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-10	97%~
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	2-10	99%~
Schneider	SBD315RC (SBD 315)	[RC]	315W	2-10	97%~
VADSBO	ED 350	[RC]	50 ~ 350W		
VADSBO	DRS 315	[RC]	50 ~ 315W		
VADSBO	DU 250	[RC]	20 ~ 250W		
Varilight	HQ3W	[R]	60-400W	2-15	99%~

T.B.D.	Dimmer lamp combination not tested														
					CoreProLEDspot		spot	CoreProLEDspot	t		MASTER LEDbul		bulb	MASTER LEDbu	llb
					D 4.5-60W R63 E27 CRI80 36			D 4.5-60W 63 E27 CRI80 36		D	DimTone 5.5-40 27 CRI90 A60 F	N		DimTone 9-60 27 CRI90 A60	w
					T			T			1			7	
		1		Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Brand Berker INSTA	Type 286710	[Type] [RC]	Load 20 ~ 360 W - Turn	ධි අ 2-15	<u>ت</u> م 97%~20%	σ	<u>ت</u> م 1 - 5	ති සී 79%- 3%	U	1-3	<u>ت</u> ۳ 98%~8%	U	ር <u>ሮ</u> 1-3	<u>ت</u> مد 94%~7%	Ū
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2-15	97 70~2076		1-5	85%-14%		1-3	98%~7%		1-3	96%~5%	
Bticino	L4407		60 ~ 250 W								N.A.	N.A.		N.A.	N.A.
Busch Jaeger A	ABB 2200 U - 503	[R]	60 ~ 400 W - Turn	2-15	97%~36%	< 16	1 - 5	85%~6%		1 -3	97%~19%		1 -3	94%~9%	
Busch Jaeger A		[R L]	20 ~ 500 W - Turn	2-20	98%~3%		1 - 5	85%~3%		1 -3	99%~3%		1 -3	95%~3%	
Busch Jaeger A		[R] [RC]	60 ~ 600 W - Turn 40 ~ 420 W - Turn	2-20	98%~3%		1-5	85%~3%		1-3	97%~3%		1-3	97%~3%	
Busch Jaeger A Busch Jaeger A		[LED]	40 ~ 420 w - Turn 2 ~ 100 VA-LED - Turn	2-15 2-20	98%~21% 95%~3%		1 - 2 1 - 5	83%~3% 77%~3%		1 -3 1 -3	98%~7% 83%~3%		1 -3 1 -3	95%~6% 89%~3%	
Busch Jaeger A		[LED]	2~100 VA-LED - Push (2wire)							1 -3	88%~10%		1 -3	97%~6%	
ELKO Schneide		[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	99%~26%		1 - 5	78%~3%			N.A.	N.A.	2-3	93%~8%	
ELKO Schneide		[RC]	315W	2-10	97%~3%		1 - 5	77%~3%		1 -3	98%~3%		1 -3	94%~2%	
ELKO Schneide		[RLC]	420W		N.A.	N.A.	3 - 5	85%~3%			N.A.	N.A.		N.A.	N.A.
Eltako Feller Schneide	EVD61NPN-UC er 40200 (SBD200LED CCTCH10601)		400W 3-wire Push Module 4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	000/000/		1 - 5	70% 0%		1 -3	98%~6%	NI 4	1-3	99%~3% 93%~8%	
Feller Schneide		[RLC]	300W	2-10	99%~26% 97%~3%		1-5	78%~3% 77%~3%		1 -3	N.A. 98%~3%	N.A.	2-3 1-3	93%~8% 94%~2%	
Feller Schneide		[RLC]	420W		N.A.	N.A.	3 - 5	85%~3%			N.A.	N.A.		N.A.	N.A.
GIRA	1176-00/01	[RLC]	50 ~ 420W							1 -3	99%~19%			N.A.	N.A.
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	2-19	95%~7%		1 - 5	79%- 3%		1 -3	97%~31%		1 -3	95%~17%	
Hager	EVN 011	[RC]	300VA							1 -3	98%~8%		1 -3	99%~7%	
Hager	EVN 012	[RC]	300W							1 -3	98%~12%		1 -3	99%~6%	
Hager Jung	EVN 004 225 TDE	[RL] [RC]	500VA 20 ~ 525 W - Turn	2-20	98%~25%			N.A.	N.A.	1 -3 1 - 3	99%~13% 98%~9%		1-3	99%~6%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2-20	98%~25% 96%~46%		1 - 5	N.A. 80%- 3%	N.A.	1-3	98%~9% 97%~4%		1 - 3	96%~8%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W								N.A.	N.A.	1 -3	89%~8%	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer							2-3	96%~8%		1 -3	96%~4%	
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	2 - 3	96%~5%	
Legrand	78401	[RLC]	40 ~ 500W	3-10	97%~15%					1 -3	98%~7%		1 -3	97%~4%	
Legrand	67081 67082	[RL] [RL]	40 ~ 400 W - Turn 40 ~ 600 W - Turn	2.00	070/ 140/					0	N.A.	N.A.	2-3	97%~5%	
Legrand Legrand	67082	[RLC]	3~400W	3-20	<mark>97%~14%</mark>					3	98%~5% N.A.	N.A.	2 - 3 1 - 2	97%~5% 89%~3%	
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2-15	97%~3%		1 - 2	77%- 3%		2 - 3	99%~6%	142.4	1 -3	98%~6%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-11	99%~3%		1 - 5	93%- 3%		1 -3	99%~3%		1 -3	96%~3%	
Legrand	L4402N	[R]	60 ~ 500W							2 - 3	97%~13%		2-3	89%~6%	
Merten Schneic			4 ~ 200W(RC) 4 ~ 400W(RL)	2-10	99%~26%		1 - 5	78%~3%			N.A.	N.A.	2-3	93%~8%	
Merten Schneic		[RC]	315W 20 ~ 420 VA	2-10	97%~3%	NL A	1-5	77%~3%		1 -3	98%~3%	NI A	1 -3	94%~2%	NA
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	2-17	N.A. 87%~16%	N.A.	3 - 5 2	85%~3% 62%- 6%		1 -3	N.A. 99%~6%	N.A.	1 -3	N.A. 84%~5%	N.A.
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-17	93%~16%		3 - 5	69%- 3%		1-3	97%~6%		1 -3	90%~5%	
MK - Electric	K4501 WHILV	[RLC]	180W							1 -3	96%~7%		1 -3	90%~3%	
MK - Electric	K4500 WHILV	[RLC]	400W							1 -3	95%~7%		1 -3	90%~3%	
NIKO	310-0280X	[LED]	2~100 VA							1 -3	98%~3%		1 - 2	99%~3%	
PEHA Philips	431HAN UID8670	[RL] [LED]	6 ~ 120W [LED] 6 ~ 60W 2 ~ 100 VA-LED - Push (3wire)	2-20	95%~3%					1-3	98%~21%		1-3	92%~3%	
RELCO	RP0977	[LED]	2~100 VA-LED - Push (3wire) 4-100W	2-20	90%~3%		1 - 5	94%- 4%		1 -3 1- 3	83%~3% 96%~4%		1 -3 1- 2	89%~3% 99%~9%	
RELCO	RM0545	[LED]	4-100W				1 - 5	74%- 3%		1-3	98%~8%		1-2	95%~4%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	2-10	97%~3%		1 - 5	77%~3%		1 -3	98%~3%		1 -3	94%~2%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	2-10	97%~3%		1 - 5	77%~3%		1 -3	98%~3%		1 -3	94%~2%	
Schneider	SBD200 (WDE 002299)	(DC)	4 ~ 400VA - Turn Universal (2wire)	2-10	99%~26%		1 - 5	78%~3%			N.A.	N.A.	2-3	93%~8%	
Schneider VADSBO	SBD315RC (SBD 315) ED 350	[RC] [RC]	315W 50 ~ 350W	2-10	97%~3%		1 - 5	77%~3%		1 -3 1 - 3	98%~3% 99%~25%		1 -3 1 - 3	94%~2% 94%~8%	
VADSBO	DRS 315	[RC]	50 ~ 315W							1-3	99%~25% N.A.	N.A.	1-3	94%~8% N.A.	N.A.
VADSBO	DU 250	[RC]	20 ~ 250W							1 - 3	96%~6%		1 - 3	90%~3%	
Varilight	HQ3W	[R]	60-400W	2-15	99%~4%		2	84%- 3%		1 - 3	96%~4%		1 - 3	96%~3%	
Varilight	ICT401 M	[RC]	20-400W							1 - 3	97%~3%		1 - 3	88%~2%	
Vimar	20148	[RL]	500W	2-19	96%~13%	< 4	1 - 2	84%- 3%		1 - 3	97%~5%	<3	1 - 3	96%~4%	<2
	14153	[R]								2 - 3	98%~3%		1 - 3	95%~6%	
Vimar		-													
Vimar	20160	[RC]	40 ~ 300W	2-11	97%~0%	- 5	1.2	77%- 2%		2 - 3 1 - 3	95%~3% 98%~7%	<2	1-3 1-3	96%~3% 95%~9%	<2
	20160 20162	-	40 ~ 300W (100W per channel)	2-11 2-19	97%~9% 99%~3%	< 5	1 - 3 1 - 5	77%- 3% 81%- 3%		2 - 3 1 - 3 1 - 3	95%~3% 98%~7% 96%~3%	<2 <3	1 - 3 1 - 3 1 - 3	96%~3% 95%~9% 93%~3%	<2

Note #1) . Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

- #2) Occupancy sensors can act like dimmers can be todated to specified power/
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 #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming

- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
 #4b) Yellow cells indication: Dimming 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.
 King for answer the hold recensive in the compatibility list due to technical changes in dimmers.

- Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers
- #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaimer:

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



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



KEY

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

LED bulb

							LED bulb									
				MASTER LEDbulb DimTone 11-75W A67 E27 CRI80 FR			Г	MASTER LEDbult DimTone 15-100W A67 E27 CRI80 FF	v	MASTER LEDbulb DimTone 12-75WE27 CRI90 A67 FR			MASTER LEDbulb DimTone 14-100W E27 CRI90 A67FR			
							1			()			-			
					Ť			Ť			Ť			Ť		
				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand	Туре	[Type]	Load	Dir Per	Dir Raı	GIG	Dir Per	Dir Raı	Glo	Dir Per	Dir Raı	ğ	Dir Per	Dir Raı	Glo	
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	87%~10%		1-3	89%~9%		1-3	90%~8%		1-3	96%~9%		
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	1-3	93%~10%		1-3	91%~9%		1-3	92%~6%		1-3	96%~9%		
Bticino	L4407	(D.)	60 ~ 250 W	1.0	N.A.	N.A.	10	N.A.	N.A.	10	000/ 100/		10	070/ 100/		
Busch Jaeger ABB Busch Jaeger ABB	2200 U - 503 2247 U	[R] [RL]	60 ~ 400 W - Turn 20 ~ 500 W - Turn	1-3 1-3	93%~17% 93%~3%		1-3 1-3	91%~22% 93%~3%		1-3 1-3	93%~10% 93%~3%		1-3 1-3	97%~13% 97%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	93%~3%		1-3	93%~3%		1-3	94%~3%		1-3	99%~3%		
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	93%~10%		1-3	91%~10%		1-3	93%~8%		1-3	95%~9%		
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	87%~3%		1-3	87%~3%		1-3	89%~3%		1-3	92%~3%		
Busch Jaeger ABB	6526 U	[LED]	2~100 VA-LED - Push (2wire)	1-3	98%~10%		1-3	98%~11%								
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	90%~10%		1-3	89%~10%		1-3	88%~9%		1-3	91%~9%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	87%~3%		1-3	84%~3%		1-3	88%~3%		1-3	89%~3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	93%~7%		1-3	91%~4%		1-3	93%~3%		1-3	92%~5%		
Eltako Folleri Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)		400W 3-wire Push Module	1-3	97%~5%		1-3	97%~5%			000/ 00/		10	010/ 00/		
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[LED/RC] [RLC]	4 ~ 200W(RC) 4 ~ 400W(RL) 300W	1-3	90%~10%		1-3	89%~10%		1-3 1-3	88%~9% 88%~3%		1-3 1-3	91%~9% 89%~3%		
Feller Schneider	40420 (SBD420)	[RLC]	420W					+		1-3	88%~3% 93%~3%		1-3	89%~3% 92%~5%		
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93%~24%		1-3	93%~24%						0270 070		
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	90%~3%		1-3	87%~4%		1-3	89%~3%		1-3	87%~5%		
Hager	EVN 011	[RC]	300VA	1-3	97%~6%		1-3	97%~6%								
Hager	EVN 012	[RC]	300W	1-3	97%~6%		1-3	97%~6%								
Hager	EVN 004	[RL]	500VA	1-3	97%~6%		1-3	97%~6%								
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	90%~10%		1-3	89%~9%		1-3	93%~9%		1-3	95%~9%		
	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	87%~20%		1-3	89%~29%		1-3	89%~3%		1-3	90%~5%		
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED]	3 ~ 24W 300W - 3-wire Push LED Dimmer		N.A.	N.A. N.A.		N.A. N.A.	N.A.							
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.	1-3	94%~4%		1-3	86%~8%		
Legrand	78401	[RLC]	40 ~ 500W	1-3	94%~7%		1-3	94%~7%								
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.							
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.							
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.		N.A.	N.A.							
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	93%~7%			N.A.	N.A.	1-3	93%~3%		1-3	90%~4%		
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	93%~3%		1-3	91%~3%		1-3	97%~3%		1-3	98%~3%		
Legrand	L4402N	[R]	60 ~ 500W 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	86%~17%		1-3	86%~18%		10	000/ 00/		10	010/ 00/		
Merten Schneider Merten Schneider	SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[RC]	315W	1-3 1-3	90%~10% 87%~3%		1-3 1-3	89%~10% 84%~3%		1-3 1-3	88%~9% 88%~3%		1-3 1-3	91%~9% 89%~3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	93%~7%		1-3	91%~4%		1-3	93%~3%		1-3	92%~5%		
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	1-3	80%~7%		1-3	82%~9%		1-3	80%~6%		1-3	82%~8%		
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	83%~7%			N.A.	N.A.	1-3	84%~3%		1-3	88%~7%		
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	85%~8%		1-3	85%~8%								
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	90%~9%		1-3	90%~9%		ļ						
NIKO	310-0280X	[LED]	2~100 VA													
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-3	87%~3%		1-3	87%~3%								
Philips RELCO	UID8670 RP0977	[LED]	2 ~ 100 VA-LED - Push (3wire) 4-100W	1-3	87%~3%		1-3	87%~3%		1-3	97%~3%		1-3	94%~12%		
RELCO	RM0545	[LED]	4-100W					+		1-3	97%~3% 86%~3%		1-3	94%~12% 84%~6%		
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	87%~3%		1-3	84%~3%		1-3	88%~3%		1-3	89%~3%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	87%~3%		1-3	84%~3%		1-3	88%~3%		1-3	89%~3%		
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	1-3	90%~10%		1-3	89%~10%		1-3	88%~9%		1-3	91%~9%		
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	87%~3%		1-3	84%~3%		1-3	88%~3%		1-3	89%~3%		
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	84%~23%		1-3	84%~23%							ļ	
VADSBO	DRS 315	[RC]	50 ~ 315W	1-3	96%~9%		1-3	96%~9%								
VADSBO Varilight	DU 250 HQ3W	[RC]	20 ~ 250W 60-400W	1-3	87%~3%		1-3	87%~3%		10	000/ 00/		10	0004 504		
Varilight Varilight	ICT401 M	[R] [RC]	20-400W	1-3 1-3	90%~3% 89%~3%		1-3 1-3	91%~4% 89%~3%		1-3	93%~3%		1-3	96%~5%		
Vimar	20148	[RL]	500W	1-3	93%~7%		1-3	91%~7%		1-3	92%~3%		1-3	96%~7%	<4	
Vimar	14153	[R]		1-3	98%~3%		1-3	98%~3%								
Vimar	20160	[RC]		1-3	92%~4%		1-3	92%~4%								
Vimar	20162	[RL]	40 ~ 300W	1-3	90%~7%		1-3	87%~4%		1-3	88%~3%		1-3	91%~5%	<4	
Dhiling Dunglite																
Philips Dynalite	DDLE801		(100W per channel)	1-3	90%~3%		1-3	89%~4%		1-3	86%~3%		1-3	91%~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 can be todated to specified power/
 #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: Sometimes fickering is observed due to low oliminer loads, best visible at deep dimining
#4a) Yellow cells indication: Dimining 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: Dimining 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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#4b) Yellow cells indication: Dimining 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 toge, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
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#9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

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

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



KEY

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

				LED bulb											
					CorePro LEDbul D 5-40W A60 CRI90	b	CorePro LEDbulb D 8.5-60W A60 CRI90			CorePro LEDbulb D 10.5-75W AGO CRI9O			CorePro LEDbulb D 13-100W A60 CRI90		
													1		
					NEW			NEW			NEW		U NEW		
				ance			ance	D0		ance			ance		
Brand	Туре	[Type]	Load	Dimming Performan	Dimmin Range	Glowing	Dimming Performan	Dimmin Range	Glowing	Dimming Performar	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1-3	94%~3%		1-3	95%~3%		1-3	90%~10%		1-3	94%~9%	
Berker INSTA Bticino	283010 L4407	[R]	60 ~ 400 W - Turn 60 ~ 250 W	1-3	96%~3% N.A.	N.A.	1-3	92%~11% N.A.	N.A.	1-3	94%~12% N.A.	N.A.	1 - 3	98%~10%	
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	98%~9%	140 4	1-3	94%~15%		1-3	92%~24%		1 - 3	98%~15%	
Busch Jaeger ABB	2247 U	[R L]	20 ~ 500 W - Turn		N.A.	N.A.	1-3	95%~3%		1-3	94%~3%		1 - 3	96%~3%	
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	99%~3%		1-3	92%~3%		1-3	96%~3%		1 - 3	98%~3%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn		98%~5%			92%~4%		1-3	92%~10%		1 - 3	98%~8%	
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	94%~3% 91%~13%		1-3 1-3	94%~3% 92%~19%		1-3 1-3	82%~3% 88%~23%		1 - 3	97%~5%	
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL)	3	91%~13%		1-3	92%~19%		1-3	88%~23%		1 - 3	96%~9%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1-3	93%~3%		1-3	98%~3%		1-3	88%~3%		1 - 3	97%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	91%~3%		1-3	93%~3%		1-3	92%~3%		1 - 3	99%~4%	
Eltako	EVD61NPN-UC		400W 3-wire Push Module												
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL) 300W	3	91%~3%		1-3	91%~7%		1-3	88%~13%		1-3	96%~9%	
Feller Schneider	40300 (SBD315) 40420 (SBD420)	[RLC] [RLC]	420W										1 - 3 1 - 3	97%~3% 99%~4%	
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93%~15%		1-3	93%~13%		1-3	92%~20%		1-5	5570-470	
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	94%~3%		1-3	99%~3%		1-3	90%~3%		1 - 3	97%~5%	
Hager	EVN O11	[RC]	300VA	1-3	97%~3%		1-3	97%~3%		1-3	97%~3%				
Hager	EVN 012	[RC]	300W	1-3	97%~3%		1-3	97%~3%		1-3	95%~3%				
Hager	EVN 004 225 TDE	[RL]	500VA 20 ~ 525 W - Turn	1-3	97%~3%		1-3	97%~3%		1-3	97%~5%		1.0	000/ 00/	
Jung Jung	1271LEDDE	[RC] [LED]	3 ~ 100W - Push (3wire)	1-3 1-3	92%~8% 95%~3%		1-3 1-3	93%~7% 93%~3%		1-3 1-3	90%~10% 90%~28%		1 - 3 1 - 3	98%~9% 98%~4%	
Klik aan Klik uit	AWMD-250	[LED]	3~24W	1-3	84%~12%		1-3	87%~20%		1-3	83%~25%			0070 470	
Klik aan Klik uit	ACM 300														
	ACM 300		300W - 3-wire Push LED Dimmer												
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	1 - 3	98%~8%	
Legrand Legrand	774161 78401	[RLC]	40 ~ 400 W - Turn 40 ~ 500W	1-3	93%~3%		1-3	93%~3%		1-3	92%~5%		1 - 3	98%~8%	
Legrand Legrand Legrand	774161 78401 67081	[RLC]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn	1-3	93%~3% N.A.	N.A.	1-3	93%~3% N.A.	N.A.	1-3	92%~5% N.A.	N.A.	1 - 3	98%~8%	
Legrand Legrand Legrand Legrand	774161 78401 67081 67082	[RLC] [RL] [RL]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn	1-3	93%~3% N.A. N.A.	N.A. N.A.	1-3	93%~3% N.A. N.A.	N.A. N.A.	1-3	92%~5% N.A. N.A.	N.A. N.A.	1 - 3	98%~8%	
Legrand Legrand Legrand	774161 78401 67081	[RLC]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn	1-3	93%~3% N.A.	N.A.	1-3	93%~3% N.A.	N.A.	1-3	92%~5% N.A.	N.A.	1-3	98%~8%	
Legrand Legrand Legrand Legrand Legrand	774161 78401 67081 67082 67083	[RLC] [RL] [RL] [RL]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 - 400W	1-3	93%~3% N.A. N.A. N.A.	N.A. N.A.	1-3	93%~3% N.A. N.A. N.A.	N.A. N.A.		92%~5% N.A. N.A. N.A.	N.A. N.A.			
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Legrand	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N	[RLC] [RL] [RL] [RLC] [RLC] [RLC] [R]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 ~ 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W		93%~3% N.A. N.A. N.A. 98%~3% 96%~3% N.A.	N.A. N.A.	2-3	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11%	N.A. N.A.	1-3 1-3 1-3 1-3	92%~5% N.A. N.A. N.A. 92%~5% 94%~3% 85%~17%	N.A. N.A.	1 - 3 1 - 3	96%~3% 99%~3%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000)	[RLC] [RL] [RL] [RLC] [RLC] [RLC] [RLC] [R] [LED/RC]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 ~ 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL)	3	93%-3% N.A. N.A. 98%-3% 96%-3% N.A. 91%-3%	N.A. N.A. N.A.	2-3 1-3	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3	92%~5% N.A. N.A. 92%~5% 94%~3% 85%~17% 88%~13%	N.A. N.A.	1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000)	[RLC] [RL] [RL] [RLC] [RLC] [RLC] [RLC] [R] [LED/RC] [RC]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 ~ 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 ~ 200W(RC) 4 ~ 400W(RL) 315W	3 1-3	93%-3% N.A. N.A. 98%-3% 96%-3% N.A. 91%-3% 93%-3%	N.A. N.A. N.A.	2-3 1-3 1-3	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%~3%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000)	[RLC] [RL] [RL] [RLC] [RLC] [RLC] [RLC] [R] [LED/RC]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 ~ 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL)	3 1-3 1-3	93%-3% N.A. N.A. 98%-3% 96%-3% N.A. 91%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3	92%~5% N.A. N.A. 92%~5% 94%~3% 85%~17% 88%~13%	N.A. N.A.	1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RLC] [RL] [RL] [RL] [RL] [RLC] [RLC] [RLC] [RLC] [R] [LED/RC] [RC] [RLC]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 ~ 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 ~ 200W(RC) 4 ~ 400W(RL) 315W 20 ~ 420 VA	3 1-3	93%~3% N.A. N.A. N.A. 98%~3% 96%~3% N.A. 91%~3% 93%~3% 91%~3%	N.A. N.A. N.A.	2-3 1-3 1-3	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%~3% 99%~4%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535	[RLC] [RL] [RL] [RL] [RL] [RL] [RLC] [RLC] [RLC] [RC] [RC] [RC] [RC] [RC] [RC] [RC]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL) 315W 20 ~ 420 VA 65 ~ 450 W - Turn 60 ~ 500 W - Turn 180W	3 1-3 1-3 1-3 1-3	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 96%-3% 91%-3% 93%-3% 91%-3% 82%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%-3% 99%-4% 88%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD31SRC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV K4500 WHILV	[RLC] [RL] [R] [RC] [R] [R] [R] [R] [R] [R] [R] [R] [R]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL) 315W 20 ~ 420 VA 65 ~ 450 W - Turn 60 ~ 500 W - Turn 180W 400W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 89%-3% 87%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 87%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%-3% 99%-4% 88%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV K4500 WHILV 310-0280X	[RLC] [RL] [R] [R] [R] [R] [R] [RL] [RL] [RL] [RL] [RL] [LED]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 89%-3% 87%-3% 87%-3% 96%-4%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 87%~3% 96%~5%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 95%-13%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%-3% 99%-4% 88%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV K4500 WHILV 310-0280X 431HAN	[RLC] [RL] [R] [R] [R] [R] [R] [RL] [RL] [RL]	40 ~ 400 W - Turn 40 ~ 500W 40 ~ 400 W - Turn 40 ~ 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 ~ 500W 4 - 200W(RC) 4 ~ 400W(RL) 315W 20 ~ 420 VA 65 ~ 450 W - Turn 60 ~ 500 W - Turn 180W 400W 2 ~ 100 VA 6 ~ 120W [LED] 6 ~ 60W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 82%-3% 89%-3% 87%-3% 87%-3% 96%-4%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 88%~3% 87%~3% 96%~5%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%-3% 99%-4% 88%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV K4500 WHILV 310-0280X	[RLC] [RL] [R] [R] [R] [R] [R] [RL] [RL] [RL] [RL] [RL] [LED]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 89%-3% 87%-3% 87%-3% 96%-4%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 87%~3% 96%~5%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 95%-13%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%-3% 99%-4% 88%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV 310-0280X 431HAN UID8670	[RLC] [RL] [R] [R] [R] [R] [RL] [RL] [RL] [RL] [LED] [LE]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire)	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 82%-3% 89%-3% 87%-3% 87%-3% 96%-4%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 88%~3% 87%~3% 96%~5%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28%	N.A. N.A.	1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3 1 - 3	96%~3% 99%~3% 96%~9% 97%~3% 99%~4% 88%~9% 93%~6%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315)	[RLC] [RL] [R] [RC] [R] [RL] [RL] [RL] [RL] [RL] [LED] [LED] [LED] [LED]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 89%-3% 87%-3% 85%-12% 94%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 87%~3% 96%~5% 89%~27% 94%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28% 82%-3%	N.A. N.A.	1 - 3 1	96%~3% 99%~3% 99%~3% 97%~3% 97%~3% 99%~4% 88%~9% 93%~6% 93%~6% 98%~12% 94%~6% 97%~3%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV S400 OWHILV J10-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RLC] [RL] [R] [RC] [R] [RL] [RL] [RL] [RL] [LED] [LED] [LED] [LED]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 82%-3% 82%-3% 85%-12% 96%-4% 85%-12% 94%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 88%~3% 96%~5% 89%~27% 94%~3% 98%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28% 88%-28% 82%-3%	N.A. N.A.	1 - 3 1	96%~3% 99%~3% 99%~3% 97%~3% 97%~3% 99%~4% 88%~9% 93%~6% 93%~6% 98%~12% 94%~6% 97%~3%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV J10-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[RLC] [RL] [RC] [RC] [RL] [RL] [RL] [RL] [RL] [LED] [LED] [LED] [RC] [RC]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4 - 100W 315W 315W 315W 315W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 82%-3% 85%-3% 85%-12% 94%-3% 93%-3% 93%-3% 91%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 88%~3% 96%~5% 89%~27% 94%~3% 98%~3% 98%~3% 91%~7%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28% 82%-3% 88%-3% 88%-3% 88%-3%	N.A. N.A.	1 - 3 1	96%~3% 99%~3% 99%~3% 97%~3% 97%~3% 99%~4% 88%~9% 93%~6% 93%~6% 98%~12% 94%~6% 97%~3% 97%~3% 96%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4501 WHILV S400 OWHILV J10-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RLC] [RL] [R] [RC] [R] [RL] [RL] [RL] [RL] [RL] [LED] [LED] [LED] [LED]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4-100W 315W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 82%-3% 82%-3% 85%-12% 96%-4% 85%-12% 94%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 88%~3% 96%~5% 89%~27% 94%~3% 98%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28% 88%-28% 82%-3%	N.A. N.A.	1 - 3 1	96%~3% 99%~3% 99%~3% 97%~3% 97%~3% 99%~4% 88%~9% 93%~6% 93%~6% 98%~12% 94%~6% 97%~3%	
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Legrand Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider Schneider Schneider	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV J10-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (SBD 315) SBD315RC (SBD 315, SDD 315)	[RLC] [RL] [R] [RC] [RC] [R] [RL] [RL] [RL] [RL] [RL] [LED] [LED] [LED] [RC] [RC] [RC] [RC] [RC]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4 - 100W 315W 315W 315W 315W 315W 315W 315W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 82%-3% 82%-3% 82%-3% 82%-3% 82%-3% 85%-12% 94%-3% 93%-3% 93%-3% 93%-3% 85%-12%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 88%~3% 96%~5% 89%~27% 94%~3% 98%~3% 98%~3% 91%~7% 98%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28% 82%-3% 88%-3% 88%-3% 88%-3% 88%-3%	N.A. N.A.	1 - 3 1	96%~3% 99%~3% 99%~3% 97%~3% 97%~3% 99%~4% 88%~9% 93%~6% 93%~6% 98%~12% 94%~6% 97%~3% 97%~3% 96%~9%	
Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider Schneider Schneider Schneider Schneider Schneider VADSBO VADSBO Varilight	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD31SRC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV 310-0280X 311HAN UID8670 RP0977 RN0545 SBD31SRC (SBD 315, SDD 315) SBD31SRC (SBD 315, SDD 315) SBD31SRC (SBD 315)	[RLC] [RL] [RL] [RL] [RL] [RL] [RL] [RL] [RL] [RL] [RC] [RC] [RC] [RC] [RC] [RC] [RL] [RL] [LED] [LED] [RC]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA 6 - 120W [LED] 6 - 60W 315W 315W 315W 315W 315W 315W 50 - 350W 50 - 315W 20 - 250W 60-400W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 91%-3% 93%-3% 82%-3% 82%-3% 82%-3% 82%-3% 82%-3% 82%-3% 96%-4% 85%-12% 94%-3% 93%-3% 93%-3% 93%-3% 89%-16%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 88%~3% 88%~3% 96%~5% 89%~27% 94%~3% 98%~3% 98%~3% 91%~7% 98%~3% 85%~11%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 92%-3% 82%-10% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28% 88%-28% 88%-28% 88%-3% 88%-3% 88%-3% 88%-3% 88%-3%	N.A. N.A.	1 - 3 1	96%~3% 99%~3% 99%~3% 97%~3% 97%~3% 99%~4% 88%~9% 93%~6% 93%~6% 98%~12% 94%~6% 97%~3% 97%~3% 96%~9%	
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Legrand Legrand Legrand Legrand Legrand Legrand Legrand Legrand Merten Schneider Merten Schneider MK - Electric MK - Electric MK - Electric MK - Electric MK - Electric MK - Electric NIKO PEHA Philips RELCO RELCO Schneider Schneider Schneider Schneider Schneider Schneider Schneider VADSBO VADSBO VADSBO Varilight Varilight Vimar	774161 78401 67081 67082 67083 67084 67085 (078406) L4402N SBD200LED (MEG5134-0000) SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000) K1535 K1501 WHILV K4500 WHILV 310-0280X 431HAN UID8670 RP0977 RM0545 SBD315RC (SBD 315, SDD 315) SBD315RC (SBD 315, SDD 315) SBD315RC (SBD 315)	[RLC] [RL] [R] [RC] [R] [RC] [RL] [RC] [RL] [RC] [RL] [RL] [RL] [RL] [RL] [RL] [RL] [RL] [RC] [RC] [RC] [RC] [RC] [RC] [RC] [RC] [R] [R] [R] [R] [R]	40 - 400 W - Turn 40 - 500W 40 - 400 W - Turn 40 - 600 W - Turn 3 - 400W 8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire) 60 - 500W 4 - 200W(RC) 4 - 400W(RL) 315W 20 - 420 VA 65 - 450 W - Turn 60 - 500 W - Turn 180W 400W 2 - 100 VA 6 - 120W [LED] 6 - 60W 2 - 100 VA-LED - Push (3wire) 4 - 100W 4 - 100W 315W 315W 315W 315W 20 - 350W 50 - 315W 20 - 250W 60 - 400W 20 - 400W	3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-	93%-3% N.A. N.A. 98%-3% 96%-3% 96%-3% 93%-3% 93%-3% 82%-3% 85%-3% 85%-12% 94%-3% 93%-3% 93%-3% 93%-3% 93%-3% 93%-3% 93%-3% 93%-3%	N.A. N.A. N.A.	2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	93%~3% N.A. N.A. 92%~3% 97%~3% 87%~11% 91%~7% 98%~3% 93%~3% 84%~6% 92%~3% 88%~3% 96%~5% 89%~27% 94%~3% 98%~3% 91%~7% 98%~3% 91%~7% 98%~3% 95%~3%	N.A. N.A.	1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	92%-5% N.A. N.A. 92%-5% 94%-3% 85%-17% 88%-13% 88%-3% 82%-10% 78%-8% 78%-8% 78%-8% 78%-8% 95%-13% 88%-28% 88%-28% 88%-3% 88%-3% 88%-3% 88%-3% 88%-3% 88%-3% 88%-3%	N.A. N.A.	1 - 3 1	96%-3% 99%-3% 96%-9% 97%-3% 99%-4% 88%-9% 93%-6% 93%-6% 93%-6% 93%-6% 93%-6% 93%-6% 93%-3% 96%-9% 97%-3% 96%-9%	

Note #1) . Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

- #2) Occupancy sensors can act like dimmers can be todated to specified power/
 #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 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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 #4b) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) 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.
 King for answer the hold recensive in the compatibility list due to technical changes in dimmers.

- Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers
- #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaimer:

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



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



KEY

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

Brand	Туре	[Type]	Load
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn
Berker INSTA	283010	[R]	60 ~ 400 W - Turn
Bticino	L4407		60 ~ 250 W
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn
Busch Jaeger ABB	2247 U	[R L]	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]	315W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W
Eltako	EVD61NPN-UC		400W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)
Feller Schneider	40300 (SBD315)	[RLC]	300W
Feller Schneider	40420 (SBD420)	[RLC]	420W
GIRA	1176-00/01	[RLC]	50 ~ 420W
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)
Hager	EVN 011	[RC]	300VA
Hager	EVN 012	[RC]	300W
Hager	EVN 004	[RL]	500VA
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 ~ 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC]	4~200W(RC) 4~400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W
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]	180W
MK - Electric	K4500 WHILV	[RLC]	400W
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]	315W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC]	315W
VADSBO	ED 350	[RC]	50 ~ 350W
VADSBO	DRS 315	[RC]	50 ~ 315W
VADSBO	DU 250	[RC]	20 ~ 250W
Varilight	HO3W	(D)	60-400\\/

	D 5.5-40W ST64 D 8-60W ST64	CLASSIC LEDBulb 7 CRI80 GOLD / D 8- 50W A6C 4 E27 CRI80 CL / D 8-60W ST 8 222 CRI80 CL / D 8-60W G9 7 CRI80 GOLD / D 8-50W G92 7 CRI80 GOLD / D 8-50W G92	64 E27 CRI80 CL 3 E27 CRI80 CL	CLASSIC LEDBulb D 8-50W A60 GOLD / D 5.5-40W A60 CL D 8-60W A60 CL / D 7 5.5-40W A60 CL DT 8-60W A60 CL / DT 8.5-60W ST64 CL						
	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing				
	1-3	99%~3%		1 -3	98%~3%					
	1-3	99%~3%		2-3	97%~3%					
	1-3	N.A. 99%~3%	N.A.	1 -3	98%~8%					
	1-3	99%~3%		1-3	98%~3%					
	1-3	99%~3%		1 -3	97%~3%					
	1-3	99%~3%		1 -3	99%~3%					
	1-3	99%~3%		1 -3	97%~3%					
	1-3	97%~3%		1 -3	93%~3%					
	2-3 2-3	99%~3% 99%~3%		2-3 2-3	99%~3% 98%~3%					
	2-3	N.A.	N.A.	2-3	98%~3%	N.A.				
	1-3	97%~3%	1474	1 -3	91%~3%					
	2-3	99%~3%		2-3	99%~3%					
	2-3	99%~3%		2-3	98%~3%					
		N.A.	N.A.		N.A.	N.A.				
	1-3	97%~3%		1 -3	99%~3%					
	1-3 1-3	99%~3% 97%~3%		1 -3	92%~3%					
	1-3	97%~3%		1 -3	92%~3%					
	1-3	97%~3%		1 -3	92%~3%					
	1-3	98%~3%		1 -3	98%~3%					
	1-3	99%~3%		1 -3	97%~3%					
	1-3	99%~12%		1-3	86%~4%					
er		N.A. N.A.	N.A. N.A.	1 -3 2-3	92%~3% 98%~3%					
	1-3	97%~3%	147 4	1 -3	91%~3%					
					N.A.	N.A.				
				2-3	97%~3%					
	1	96%~3%		1 -3	90%~3%					
	1-3	99%~3%		1-3	97%~3%					
	1-3	99%~3% N.A.	N.A.	1 -3 2 -3	97%~3% 88%~3%					
	2-3	99%~3%	N/X	2-3	99%~3%					
	2-3	99%~3%		2-3	98%~3%					
		N.A.	N.A.		N.A.	N.A.				
	1-3	99%~3%		2-3	93%~3%					
		N.A.	N.A.	1-3	98%~3%					
		N.A. N.A.	N.A. N.A.	1 -3 1 -3	98%~3% 92%~3%					
	1-3	97%~3%	147 4	1 -3	91%~3%					
	1-3	97%~3%		1 -3	97%~3%					
				1 -3	97%~3%					
	1-3	99%~3%		1-3	98%~3%					
	1-3	99%~3%		1-3	92%~3%					
	2-3 2-3	99%~3% 99%~3%		2-3 2-3	98%~3% 98%~3%					
e)	2-3	99%~3%		2-3	99%~3%					
	2-3	99%~3%		2-3	98%~3%					
	1-3	97%~3%		1 -3	98%~3%					
		N.A.	N.A.		N.A.	N.A.				
	1-3	97%~3%		1 -3	84%~3%					
	1-3	99%~3%		2 -3	97%~3%					

LED bulb

Varilight	HQ3W	[R] 60-400W	1-3	99%~3%		2 -3	97%~3%	
Varilight	ICT401 M	[RC] 20-400W	1-3	88%~3%		1 -3	75%~3%	
Vimar	20148	[RL] 500W		N.A.	N.A.	1 -3	98%~3%	
Vimar	14153	[R]		N.A.	N.A.	1 -3	89%~3%	
Vimar	20160	[RC]	1-3	97%~3%		1 -3	91%~3%	
Vimar	20162	[RL] 40~300W	1-3	99%~3%		1 -3	98%~3%	
Philips Dynalite	DDLE801	(100W per channel)	1-3	87%~3%		3	91%~3%	
Philips Dynalite	DDTM102 Module	(460 W per channel)	1-3	88%~3%		1 -3	90%~3%	

Note #1) . Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

- #2) Occupancy sensors can act like dimmers can be todated to specified power/
 #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: Sometimes fickering is observed due to low oliminer loads, best visible at deep dimining
 #4a) Yellow cells indication: Dimining performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
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Recommended **dimmer** compatibility list for **Mains Voltage** Lamps



LED giant 25W E27 G200 4000K smoky D

LED giant 25W E27 A160 4000K smoky D

KEY

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

CLA LEDBulb DT 9-60W CRI90 ST64 CL

CLA LEDBulb D 8-50W ST64 CRI80 GOLD

LED bulb

CLA LEDBulb DT9-60W CRI90 G93 CL / CLA LEDBulb D 8-60W G93 CRI80 CL

LEDClassic 50W G93 2200K GOLD D / CLA LEDBulb D 8-50W G120 CRI80 GOLD

			CLA LEDBulb D 8-50W ST64 CRI80 GOLD			LEDClassic 50W G93 2 LEDClassic 60W G	LED giant 25W E27 AI60 4000K smoky D LED giant 25W E27 T65 4000K smoky D				
Brand	Туре	[Type] Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC] 20 ~ 360 W - Turn	1 - 3	93%'3%		1 - 3	93%'3%		1-3	91%~6%	
Berker INSTA	283010	[R] 60 ~ 400 W - Turn	1 - 3	94%'3%		1 - 3	94%'3%		1-3	93%~4%	
Blicino	L4407	60 ~ 250 W [R] 60 ~ 400 W - Turn	1.0	N.A.	N.A.	1.0	N.A.	N.A.	1.2	020/ 120/	
Busch Jaeger ABB Busch Jaeger ABB	2200 U - 503 2247 U	[R] 60 ~ 400 W - Turn [RL] 20 ~ 500 W - Turn	1 - 3 1 - 3	97%'3% 94%'3%		1 - 3 1 - 3	97%'3% 94%'3%		1-3 1-3	93%~13% 92%~3%	
Busch Jaeger ABB	2250 U	[R] 60~600 W - Turn	1-3	96%'3%		1-3	96%'3%		1-3	93%~3%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn	1 - 3	95%'3%		1 - 3	95%'3%		1-3	93%~4%	
Busch Jaeger ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn	1 - 3	91%'3%		1 - 3	91%'3%		1-3	90%~8%	
Busch Jaeger ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)	1 - 3	95%'3%		1 - 3	95%'3%				
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4~200W(RC) 4~400W(RL)	1 - 3	94%'6%		1 - 3	94%'6%		1-3	92%~6%	
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W	1 - 3	83%'3%		1 - 3	83%'3%		1-3	90%~3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420W	3	99%'3%		3	99%'3%		2-3	95%~5%	
Eltako Feller Schneider	EVD61NPN-UC 40200 (SBD200LED CCTCH10601)	400W 3-wire Push Module [LED/RC] 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	99%'3%		1 - 3	99%'3%		1-3	92%~6%	
Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[LED/RC] 4~200W(RC) 4~400W(RL) [RLC] 300W	1 - 3	94%'6%		1 - 3	94%'6%		1-3 1-3	92%~6% 90%~3%	
Feller Schneider	40420 (SBD420)	[RLC] 420W			+				2-3	95%~5%	
GIRA	1176-00/01	[RLC] 50~420W	1 - 3	95%'11%		1 - 3	95%'11%				
GIRA	2390 00/ 100	[LED] 7~100W - Push (3wire)	1 - 3	93%'3%		1 - 3	93%'3%		1-3	89%~3%	
Hager	EVN 011	[RC] 300VA	1 - 3	96%'3%		1 - 3	96%'3%				
Hager	EVN 012	[RC] 300W	1 - 3	98%'3%		1 - 3	98%'3%				
Hager	EVN 004	[RL] 500VA	1 - 3	98%'4%		1 - 3	98%'4%				
Jung	225 TDE	[RC] 20 ~ 525 W - Turn	1 - 3	93%'6%		1 - 3	93%'6%		1-3	92%~7%	
Jung	1271LEDDE	[LED] 3 ~ 100W - Push (3wire)	1 - 3	95%'10%		1-3	95%'10%		1-3	88%~3%	
Klik aan Klik uit Klik aan Klik uit	AWMD-250 ACM 300	[LED] 3 ~ 24W 300W - 3-wire Push LED Dimmer	1-3	86%'3%		1-3	86%'3%				
Legrand	774161	[RL] 40 ~ 400 W - Turn	1 - 3	80%'3% N.A.	N.A.	1 - 3	80%'3% N.A.	N.A.		N.A.	N.A.
Legrand	78401	[RLC] 40~500W	1 - 3	95%'3%	11.74.	1 - 3	95%'3%	Dira.		11.71	19.75
Legrand	67081	[RL] 40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	67082	[RL] 40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	67083	[RLC] 3 ~ 400W	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%		1-3	94%~3%	
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	1 - 3	98%'3%		1 - 3	98%'3%		1-3	97%~3%	
Legrand	L4402N	[R] 60~500W	2 - 3	87%'5%		2 - 3	87%'5%				
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	94%'6%		1 - 3	94%'6%		1-3	92%~6%	
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC] 315W [RLC] 20 ~ 420 VA	1 - 3 3	83%'3% 99%'3%		1 - 3 3	83%'3% 99%'3%		1-3 2-3	90%~3% 95%~5%	
MK - Electric	K1535	[R] 65~450 W - Turn	1-3	84%'3%		1 - 3	84%'3%		2-3	95%~5% 81%~5%	
MK - Electric	K1501 WHILV	[R] 60~500 W - Turn	1 - 3	87%'3%		1 - 3	87%'3%		2-3	87%~3%	
MK - Electric	K4501 WHILV	[RLC] 180W	1 - 3	91%'9%		1-3	91%'9%				
MK - Electric	K4500 WHILV	[RLC] 400W	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 ~ 120W [LED] 6 ~ 60W	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%				
RELCO	RP0977	[LED] 4-100W							1-3	96%~16%	
RELCO Schneider	RM0545 SBD315RC (SBD 315, SDD 315)	[LED] 4-100W [RC] 315W	4.0	000/100/		1.0	-000/100/		1-3	90%~3%	
Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	[RC] 315W [RC] 315W	1 - 3 1 - 3	83%'3% 83%'3%		1 - 3 1 - 3	83%'3% 83%'3%		1-3 1-3	90%~3% 90%~3%	
Schneider	SBD200 (WDE 002299)	4 ~ 400VA - Turn Universal (2wire)	1-3	94%'6%		1-3	94%'6%		1-3	92%~6%	
Schneider	SBD315RC (SBD 315)	[RC] 315W	1 - 3	83%'3%		1 - 3	83%'3%		1-3	90%~3%	
VADSBO	ED 350	[RC] 50 ~ 350W	1 - 3	91%'9%		1 - 3	91%'9%				
VADSBO	DRS 315	[RC] 50 ~ 315W		N.A.	N.A.		N.A.	N.A.			
VADSBO	DU 250	[RC] 20 ~ 250W	1 - 3	87%'3%		1 - 3	87%'3%				
Varilight	HQ3W	[R] 60-400W	1 - 3	93%'3%		1 - 3	93%'3%		2-3	92%~3%	
Varilight	ICT401 M	[RC] 20-400W	1 - 3	87%'3%		1 - 3	87%'3%				
Vimar	20148	[RL] 500W	1-3	95%'3%	<2	1-3	95%'3%	<2	1 or 3	92%~3%	
Vimar	14153	[R]	1 - 3 1 - 3	98%'3% 92%'3%		1 - 3 1 - 3	98%'3% 92%'3%				
Vimar		IRC					92 70 0 70		-		(
Vimar Vimar	20160 20162	[RC] [RL] 40~300W			<2			<2	1-3	90%~4%	
	20160 20162 DDLE801	[RC] [RL] 40 ~ 300W (100W per channel)	1 - 3 1 - 3	97%'3% 89%'3%	<2	1 - 3 1 - 3	97%'3% 89%'3%	<2	1-3 1-3	90%~4% 88%~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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Signify will not accept claims for any damage caused by implementing the recommendations in this document.



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



KEY

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

LED classic-giant 40W E27 A160 GOLD DIM 30W Mushroom 5-40W Diamond LED double layers 25			
Normal Normal<	LED Crystal_giant 35W E27 Smoky DIM LED double layers 25W E27 smoky DIM LED diamond_giant 35W E27 CL DIM		
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Legand67032(RL)40-600 "hm(RL)(RL)3-4000"(RL)(RL)3-4000"(RL)(RL)3-4000"(RL)<			
Legand 67083 [RLC] 3 - 400'' [RLC] 8 - 300 Å - Puch LED Gwinn 2 - 3 2 + 3 9 + 3 + 4 2 - 3 9 + 3 +			
Lagand 67084 (RL) 8 - 300 VA - Push LED Gwine) 2.3 92% 8% 1.3 98%-3% 2.3 98%-3% 2.3 98%-3% 1.3 98			
Legrand6105 (J72406)RLC // R 4 2004 (Pold - Pold NLED (Salve)1-3939/371-3981-38-1-3981-38			
Legrand L4402N IR 60 - 500W IC 300W IC			
Marteril Schneider SBD200LED (MEG5334-0000) [LED/RC] 4 - 200 W(RC) 4 - 400W(RL) Ind NA NA NA NA NA NA NA State State </td <td>-370</td>	-370		
Meterinl Schneider SB03ISRC (MEGS136-0000) IRC 315W IRC IRC 2-3 99%-3% 2-3 99%-3% NA N	~6%		
MK - Electric K1335 IR 65 - 450 W - Turn 1 65 W 12W 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 2.3 92% - 3% 1.3 99%			
MK-Electric K1501 WHLV [R] 60-500 W Turn 1-2 84% 3% 1 or 3 99%-3% 1-3 99%-3% 2-3 97%-3% MK-Electric K4501 WHLV [RLC] 100W IC IC IC IC IC IC 99%-3% IC IC 99%-3% IC IC <			
MK - Electric K4500 WHLV [R.C] 180W Image of the second sec	~5%		
NK - Electric K4500 WHLV [R.C] 400W I 13 98%-3% I 13 98%	-3%		
NIKO 3D0-0280X [LED] 2-100 VA Ind Ind 98%-3% Ind 9			
PEHA 43IHAN [RL] 6 - 120W [LED] 6 - 60W Index 1.3 97%-3% 1.3 98%-3% Index 1.6 1.6 1.6 Philips UD6670 [LED] 2 - 100 VA-LED - Push (3wire) Ind Index			
PhilipsUID8670LED2 - 100 VA-LED - Push (3wire)Ind<			
RELCO RP0977 LED 4-100W 1-3 91% 23% 1-3 99%-3% 1-3 99%-3% 1-3			
Schneider SBD31SR (SBD 315, SDD 315) IRC1 315W IC 1-3 99%-3% 2-3 99%-3% 2-3 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3% 99%-3% 1-3 99%-3	16%		
Schneider SBD31SRC (ATD315)(CCT011533) IRC 315W Index 2.3 99%-3% 2.3 99%-3% 1.3 99%-3%	-3%		
Schneider SBD200 (WDE 002299) 4 - 400VA - Turn Universal (2win) Index NA. NA. NA. NA. NA. </td <td></td>			
Schneider SBD31SRC (SBD 315) [RC] 315W Image: Single stability Image			
VADSBO ED 350 IRC S00 IRC			
VADSBO DRS 315 IRC 3 50-315W IRC 3 0-315W IRC 3 0-325W IRC 3 0-3	-3%		
VADSBO DU 250 IRC 20 - 250W Image: Comparison of the compari			
Varilight HQ3W IR 60-400W 1-3 89% 5% 2-3 98%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 92%-3% 2-3 93%-3% 2-			
Vimar 20148 (RL) 500W 1-3 94%/8% 1-3 99%-3% <2 2-3 99%-3% <2 1 or 3 92%-7 Vimar 14153 (R] C	~3%		
Vimar 14153 [R] Image: Constraint of the symbol of t			
Vimar 20160 IRC] Image: Constraint of the second sec	~3%		
vimar 20162 [RL] 40 ~ 300W 1-3 93%5% 1-3 99%~3% <2 1-3 99%~3% 1-3 99%~3%			
Philips Dynalite DDLE801 (100W per channel) 1 - 3 89% 3% N.A. N.A. 2-3 85% - 3% 1-3 88% -			
Philips Dynalite DDLE 801 (100W per channel) 1 - 3 89%'3% N.A. N.A. 2-3 85%-3% 1 - 3 88%-7 Philips Dynalite DDTM102 Module (460 W per channel) 1 - 3 86%'3% 1 - 3 86%'-3% 2 - 3 85%'-3% 1 - 3 88%-7			

Brand	Туре	[Type]	Load
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn
Berker INSTA	283010	[R]	60 ~ 400 W - Turn
Bticino	L4407	[(*)]	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)		4~200W(RC) 4~400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W
Eltako	EVD61NPN-UC	1	400W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4~200W(RC) 4~400W(RL)
Feller Schneider	40300 (SBD315)	[RLC]	300W
Feller Schneider	40420 (SBD420)	[RLC]	420W
GIRA	1176-00/01	[RLC]	50 ~ 420W
GIRA	2390 00/ 100	[LED]	7~100W - Push (3wire)
Hager	EVN 011	[RC]	300VA
Hager	EVN 012	[RC]	300W
Hager	EVN 004	[RL]	500VA
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	(220)	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 ~ 500W
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200W(RC) 4 ~ 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W
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]	180W
MK - Electric	K4500 WHILV	[RLC]	400W
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]	315W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W
Schneider	SBD200 (WDE 002299)	[ne]	4 ~ 400VA - Turn Universal (2wire)
Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[RC]	315W
VADSBO			50 ~ 350W
VADSBO	ED 350 DRS 315	[RC] [RC]	50 ~ 315W
	DU 250		
VADSBO	00200	[RC]	20 ~ 250W

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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
N.A.	Dimmer lamp combination not applicable	faults
T.B.D.	Dimmer lamp combination not tested	

					LED bulb/candle/luster								
				Classic LEDbulb DT 9-60	Classic LEDbulb DT 9-60W CRI90 A60 / Classic LEDbulb DT 9-60W CRI90 ST64 Classic LEDbulb DT 9-60W CRI90 G93 / Classic LEDbulb DT 6.7-40W CRI90 A60 Classic LEDbulb DT 5.5-40W A60 / Classic LEDbulb DT 8.5-60W A60 Classic LEDbulb DT 5.5-40W A60 / Classic LEDbulb DT 6.7-40W Classi								
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					NEW			NEW					
		1		Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing				
Brand	Type	[Type]	Load			ច			ช				
Berker INSTA Berker INSTA	286710 283010	[RC]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	1-3 1-3	87%~3% 90%~3%		1-3	87%~3% 90%~3%					
Bticino	L4407	[K]	60 ~ 250 W	1-5	N.A.	N.A.	1-5	N.A.	N.A.				
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1-3	93%~3%	110 4	1-3	93%~3%	140.4				
Busch Jaeger ABB	2247 U	[R L]	20 ~ 500 W - Turn	1-3	90%~3%		1-3	90%~3%					
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	1-3	92%~3%		1-3	92%~3%					
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1-3	94%~8%		1-3	94%~8%					
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	1-3	86%~3%		1-3	86%~3%					
Busch Jaeger ABB 	6526 U	[LED]	2~100 VA-LED - Push (2wire)	1-3	91%~4%		1-3	91%~4%					
ELKO Schneider	SBD200LED (CCTEL10501) SBD315RC (315 GLE)	[RC]	4 ~ 200W(RC) 4 ~ 400W(RL) 315W	1-3 1-3	88%~3% 93%~3%		1-3	88%~3% 93%~3%					
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1-3	89%~3%		1-3	89%~3%					
Eltako	EVD61NPN-UC		400W 3-wire Push Module										
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC	4~200W(RC) 4~400W(RL)	1-3	88%~3%		1-3	88%~3%					
Feller Schneider	40300 (SBD315)	[RLC]	300W	1-3	93%~3%		1-3	93%~3%					
Feller Schneider	40420 (SBD420)	[RLC]	420W	1-3	89%~3%		1-3	89%~3%					
GIRA	1176-00/01	[RLC]	50 ~ 420W	1-3	93%~5%		1-3	93%~5%					
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1-3	86%~3%		1-3	86%~3%					
Hager	EVN 011	[RC]	300VA	1-3	98%~3%		1-3	98%~3%					
Hager	EVN 012	[RC]	300W	1-3	98%~3%		1-3	98%~3%					
Hager Jung	EVN 004 225 TDE	[RL] [RC]	500VA 20 ~ 525 W - Turn	1-3	98%~3% 93%~3%		1-3	98%~3% 93%~3%					
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	93%~3% 87%~7%		1-3	93%~3% 87%~7%					
Klik aan Klik uit	AWMD-250	[LED]	3~24W	1-3	82%~4%		1-3	82%~4%					
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer										
Legrand	774161	[RL]	40 ~ 400 W - Turn			N.A.			N.A.				
Legrand	78401	[RLC]	40 ~ 500W	1-3	96%~3%		1-3	96%~3%					
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.				
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.				
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.		N.A.	N.A.				
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire)	1-3	95%~3%		1-3	95%~3%					
Legrand Legrand	67085 (078406) L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60 ~ 500W	1-3	88%~17%	NA	1-3	88%~17%	N A				
Merten Schneider	SBD200LED (MEG5134-0000)	[R]	4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	N.A. 88%~3%	N.A.	1-3	N.A. 88%~3%	N.A.				
Merten Schneider	SBD200EEB (MEG5136-0000)	[RC]	315W	1-3	93%~3%		1-3	93%~3%					
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	89%~3%		1-3	89%~3%					
MK - Electric	K1535	[R]	65 ~ 450 W - Turn		N.A.	N.A.		N.A.	N.A.				
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1-3	85%~3%		1-3	85%~3%					
MK - Electric	K4501 WHILV	[RLC]	180W	1-3	88%~3%		1-3	88%~3%					
MK - Electric	K4500 WHILV	[RLC]	400W	1-3	88%~3%		1-3	88%~3%					
NIKO	310-0280X	[LED]	2~100 VA	1-3	98%~4%		1-3	98%~4%					
PEHA Philips	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W 2 ~ 100 VA-LED - Push (3wire)	1-3	88%~4%		1-3	88%~4%					
RELCO	UID8670 RP0977	[LED]	2~100 VA-LED - Push (3wire) 4-100W	1-3	86%~3%		1-3	86%~3%					
RELCO	RP0977 RM0545	[LED]	4-100W										
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1-3	93%~3%		1-3	93%~3%					
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	93%~3%		1-3	93%~3%					
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	1-3	88%~3%		1-3	88%~3%					
Schneider	SBD315RC (SBD 315)	[RC]	315W	1-3	93%~3%		1-3	93%~3%					
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	91%~5%		1-3	91%~5%					
VADSBO	DRS 315	[RC]	50 ~ 315W		N.A.	N.A.		N.A.	N.A.				
VADSBO	DU 250	[RC]	20 ~ 250W	1-3	88%~3%	<4	1-3	88%~3%	<4				
Varilight	HQ3W	[R]	60-400W	1-3	92%~3%		1-3	92%~3%					

Varilight	HQ3W	[R]	60-400W	1-3	92%~3%		1-3	92%~3%	
Varilight	ICT401 M	[RC]	20-400W						
Vimar	20148	[RL]	500W		N.A.	N.A.		N.A.	N.A.
Vimar	14153	[R]		1-3	98%~3%		1-3	98%~3%	
Vimar	20160	[RC]			N.A.	N.A.		N.A.	N.A.
Vimar	20162	[RL]	40 ~ 300W		N.A.	N.A.		N.A.	N.A.
Philips Dynalite	DDLE801		(100W per channel)	1-3	95%~3%		1-3	95%~3%	
Philips Dynalite	DDTM102 Module		(460 W per channel)	1-3	98%~3%		1-3	98%~3%	

Note #1)

. Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

- #2) Occupancy sensors can act like dimmers can be todated to specified power/
 #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 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.
 King for answer the hold recensive in the compatibility list due to technical changes in dimmers.

- Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers
- #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaimer:

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

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

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

CLA LEDBulb

LED bulb/candle/luster

MAS LEDcandle DT 6-40W B15 B38 CL / MAS LEDcandle DT 6-40W E14 B38 CL

MAS LEDcandle DT 4-25W E14 B38 CL

				D 12-100W A67 E27 CRIBO CL			MAS LEDca MAS LEDI	Indle DT 4-25W ustre DT 4-25W ustre DT 4-25W	E14 BA38 CL E14 P48 CL	MAS LEDcandle DT 6-40W E14 BA38 CL / MAS LEDlustre DT 6-40W E14 P48 CL MAS LEDlustre DT 6-40W E27 P48 CL / MAS LEDcandle DT 6-40W E27 B38 CL MAS LEDlustre DT 6-40W B22 P48 CL / MAS LEDcandle DT 6-40W E27 B38 CL			
Brand	Туре	[Type]	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	1 -3	92%'14%		2-18	96%~3%		2-12	93%~3%		
Berker INSTA Bticino	283010 L4407	[R]	60 ~ 400 W - Turn 60 ~ 250 W	1 -3	98%'14%		2-20	89%~3% N.A.	N.A.	2-13	89%~3% N.A.	N.A.	
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	1 -3	97%'7%		2-20	92%~3%	N.A.	2-13	92%~3%	N.A.	
Busch Jaeger ABB	2247 U	[R L]	20 ~ 500 W - Turn	1 -3	98%'3%		2-25	91%~3%		2-17	91%~3%		
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	1 -3	98%'15%		2-30	88%~3%		2-20	93%~3%		
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	1 -3	96%'13%		2-21	94%~3%		2-14	91%~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	94%'19%		2-20 2-20	84%~3% 88%~7%	<4	2-17 2-17	83%~3% 88%~5%	< 6	
ELKO Schneider	SBD200LED (CCTEL10501)		4 ~ 200W(RC) 4 ~ 400W(RL)	1 -3	90%'15%		2-20	95%~3%		2-13	92%~3%		
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	1 -3	90%'3%		2-15	88%~3%		2-11	87%~0%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W	1 -3	93%'15%		2-20	91%~3%		2-14	90%~3%		
Eltako Follori Sobroidor	EVD61NPN-UC	(I ED (DC)	400W 3-wire Push Module		000/1450/			0504 004					
Feller Schneider Feller Schneider	40200 (SBD200LED CCTCH10601) 40300 (SBD315)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL) 300W	1 -3 1 -3	90%'15% 90%'3%		2-20	95%~3%		2-13	92%~3%		
Feller Schneider	40420 (SBD420)	[RLC]	420W	1-3	93%'15%								
GIRA	1176-00/01	[RLC]	50 ~ 420W				2-20	95%~7%	<7	2-14	95%~5%	< 9	
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	1 -3	97%5%		2-25	94%~3%		2-17	92%~3%		
Hager	EVN 011	[RC]	300VA					95%~4%	<7	2-10	96%~3%	< 10	
Hager	EVN 012	[RC]	300W					95%~4%	<7	2-10	95%~3%	< 10	
Hager Jung	EVN 004 225 TDE	[RL] [RC]	500VA 20 ~ 525 W - Turn	1 -3	94%'16%		2-26	95%~7% 89%~3%	<7	2-17 2-18	96%~4% 89%~3%	<11	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	1-3	97%3%		2-25	93%~4%		2-18	92%~3%		
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W					78%~7%	<6	2-4	77%~4%	< 5	
Klik aan Klik uit	ACM 300		300W - 3-wire Push LED Dimmer										
Legrand	774161	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	78401 67081	[RLC]	40 ~ 500W 40 ~ 400 W - Turn				2-20	95%~4%	<7	2-13	93%~4%	< 9	
Legrand	67082	[RL]	40 ~ 400 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.	
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1 -3	98%'4%			N.A.	N.A.		N.A.	N.A.	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	1 -3	94%'3%		2-15	94%~3%		2-10	91%~3%		
Legrand	L4402N	[R]	60 ~ 500W					79%~4%		8-17	79%~4%		
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200W(RC) 4 ~ 400W(RL)	1-3	90%'15%		2-20	95%~3%		2-13	92%~3%		
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	[RC] [RLC]	315W 20 ~ 420 VA	1 -3 1 -3	90%'3% 93%'15%		2-15 2-20	88%~3% 91%~3%		2-11 2-14	87%~3% 90%~3%		
Merten Schneider	K1535	[R]	65 ~ 450 W - Turn	1-3	84%'16%		2-20	79%~3%		2-14	77%~3%		
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	1 -3	91%'8%		2-25	88%~3%		2-17	87%~3%		
MK - Electric	K4501 WHILV	[RLC]	180W					83%~3%		2-7	82%~3%		
MK - Electric	K4500 WHILV	[RLC]	400W					83%~3%			N.A.	N.A.	
NIKO PEHA	310-0280X 431HAN	[LED]	2 ~ 100 VA				2-5	96%~5%		2-3	96%~4%		
PEHA Philips	43IHAN UID8670	[RL] [LED]	6 ~ 120W [LED] 6 ~ 60W 2 ~ 100 VA-LED - Push (3wire)				2-20	82%~7% 84%~3%		2-4 2-17	82%~5% 83%~3%		
RELCO	RP0977	[LED]	4-100W	1 -3	99%'23%		2.20	01/0 0/0					
RELCO	RM0545	[LED]	4-100W	1 -3	83%'6%								
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	1 -3	90%'3%		2-15	88%~3%		2-11	87%~3%		
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	1-3	90%'3%		2-15	88%~3%		2-11	87%~3%		
Schneider Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[RC]	4 ~ 400VA - Turn Universal (2wire) 315W	1 -3 1 -3	90%'15% 90%'3%		2-20 2-15	95%~3% 88%~3%		2-13 2-11	92%~3% 87%~3%		
VADSBO	ED 350	[RC]	50 ~ 350W	1-3	3070 370		2-15	88%~3%		2-11	87%~3%		
VADSBO	DRS 315	[RC]	50 ~ 315W				4-16	89%~4%		5-11	91%~4%	< 12	
VADSBO	DU 250	[RC]	20 ~ 250W				2-13	86%~3%		2-8	79%~3%	< 8	
Varilight	HQ3W	[R]	60-400W	1 -3	96%'3%		2-20	91%~3%		2-13	90%~3%		
Varilight	ICT401 M	[RC]	20-400W		0			0.000					
Vimar Vimar	20148 14153	[RL] [R]	500W	1 -3	97%'8%		6-25 2-20	90%~3% 99%~3%	<6	4-17 2-17	92%~3% 96%~3%	<4 < 7	
Vimar	20160	[RC]					2-20	99%~3% 89%~3%		2-17	89%~3%	< 1	
Vimar	20162	[RL]	40 ~ 300W	1 -3	92%'3%		6-15	92%~3%	<6	4-10	86%~3%	<4	
Philips Dynalite	DDLE801		(100W per channel)	1 -2	96%'3%		2-20	89%~3%		2-17	91%~3%		
Philips Dynalite	DDTM102 Module		(460 W per channel)	1 -3	94%'3%		2-20	92%~3%		2-15	91%~3%		

Note #1) . Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power)

- #2) Occupancy sensors can act like dimmers can be todated to specified power/
 #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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 King for answer the hold recensive in the compatibility list due to technical changes in dimmers.

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



Classic LEDCandle DT6-40W E14 CRI90 B35 Classic LEDCandle DT6-40W E14 CRI90 BA35

KEY

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

CLA LEDCandle D 5-32W B35 E14 CRI80 GOLD

LED candle/luster

Classic LEDCandle DT3.5-25W E14 CRI90 B35

				CLA LEDLuster D 5-32W P45 E27 CRI80 GOLD CLA LEDCandle D 5-32W BA35 E14 CRI80 GOLD CLA LEDLuster D 5-32W P45 E14 CRI80 GOLD				Luster DT3.5-25W E27 Luster DT3.5-25W E14		Classic LEDCandle DT6-40W E14 CRI90 BA35 Classic LEDLuster DT6-40W E27 CRI90 P45 Cassic LEDLuster DT6-40W E14 CRI90 P45				
										🌒 🍨 😱 😱				
Brand	Туре	[Type]	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing		
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	2 - 10	94%- 3%		2 -8	99%~3%		2 - 10	94%- 3%			
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	2 - 10	97%- 3%		2 -8	99%~3%		2 - 10	97%- 3%			
Bticino	L4407		60 ~ 250 W					N.A.	N.A.					
Busch Jaeger ABB Busch Jaeger ABB	2200 U - 503 2247 U	[R] [RL]	60 ~ 400 W - Turn 20 ~ 500 W - Turn	2 - 10	97%- 11%		2 - 8	99%~12%		2 - 10	97%- 11%			
Busch Jaeger ABB	2250 U	[R]	60 ~ 600 W - Turn	2 - 10 2 - 10	97%- 3% 95%- 3%		2 - 8 3 - 8	99%~3% 99%~3%		2 - 10 2 - 10	97%- 3% 95%- 3%			
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	3 - 10	97%-3%		2-8	99%~3%		3 - 10	97%- 3%			
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	2 - 10	97%-3%		2 - 6	99%~3%		2 - 10	97%- 3%			
Busch Jaeger ABB	6526 U	[LED]	2~100 VA-LED - Push (2wire)				2 - 20	97%~3%						
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200W(RC) 4 ~ 400W(RL)	5 - 10	96%-3%		2 - 8	99%~3%		5 - 10	96%- 3%			
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	5 - 10	97%- 3%		3 - 8	99%~3%		5 - 10	97%- 3%			
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.	3 - 8	99%~3%			N.A.	N.A.		
Eltako	EVD61NPN-UC	11 50 10 5	400W 3-wire Push Module				2 - 16	96%~3%						
Feller Schneider	40200 (SBD200LED CCTCH10601)		4 ~ 200W(RC) 4 ~ 400W(RL)	5 - 10	96%-3%		2 - 8	99%~3%		5 - 10	96%-3%			
Feller Schneider Feller Schneider	40300 (SBD315) 40420 (SBD420)	[RLC] [RLC]	300W 420W	5 - 10	97%- 3% N.A.	N.A.	3 - 8 3 - 8	99%~3% 99%~3%		5 - 10	97%- 3% N.A.	N.A.		
GIRA	1176-00/01	[RLC]	420W		N.A.	N.A.	3 - 8 2 - 17	99%~3% 97%~3%			N.A.	N.A.		
GIRA	2390 00/ 100	[LED]	7 ~ 100W - Push (3wire)	2 - 10	97%- 3%		2-8	99%~19%		2 - 10	97%- 3%			
Hager	EVN 011	[RC]	300VA				2 - 12	96%~3%						
Hager	EVN 012	[RC]	300W	1			2 - 12	96%~3%						
Hager	EVN 004	[RL]	500VA				2 - 20	96%~3%						
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2 - 10	94%- 3%		2 -8	99%~3%		2 - 10	94%- 3%			
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	2 - 10	95%-3%		2 - 8	99%~3%		2 - 10	95%- 3%			
Klik aan Klik uit	AWMD-250	[LED]	3~24W	I			2 - 5	93%~4%						
Klik aan Klik uit	ACM 300	(D)	300W - 3-wire Push LED Dimmer				2 - 12	96%~3%						
Legrand Legrand	774161 78401	[RL] [RLC]	40 ~ 400 W - Turn 40 ~ 500W		N.A.	N.A.	3 -8	99%~3%			N.A.	N.A.		
Legrand	67081	[RLC]	40 ~ 400 W - Turn				2 -16 3 -8	95%~3% 99%~3%						
Legrand	67082	[RL]	40 ~ 600 W - Turn				3 -8	99%~3%						
Legrand	67083	[RLC]	3 ~ 400W				2 -16	95%~3%						
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	2 - 10	97%-3%		2 -8	99%~3%		2 - 10	97%- 3%			
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2 - 10	94%- 3%		2 -8	99%~3%		2 - 10	94%- 3%			
Legrand	L4402N	[R]	60 ~ 500W		1		3 -20	95%~3%						
Merten Schneider	SBD200LED (MEG5134-0000)		4 ~ 200W(RC) 4 ~ 400W(RL)	5 - 10	96%-3%		2 - 8	99%~3%		5 - 10	96%- 3%			
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	5 - 10	97%-3%		3 - 8	99%~3%		5 - 10	97%- 3%			
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA		N.A.	N.A.	3 - 8	99%~3%			N.A.	N.A.		
MK - Electric MK - Electric	K1535	[R] [R]	65 ~ 450 W - Turn 60 ~ 500 W - Turn	2 - 10 2 - 10	97%-3%		3 - 8 3 - 8	99%~3% 99%~3%		2 - 10 2 - 10	97%-3%			
MK - Electric	K4501 WHILV	[RLC]	180W	2-10	97%- 3%		3-8	96%~3%		2 - 10	97%- 3%	-		
MK - Electric	K4500 WHILV	[RLC]	400W				8 - 16	96%~3%						
NIKO	310-0280X	[LED]	2 ~ 100 VA				2 - 4	94%~3%						
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W				2 - 5	96%~3%						
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)				2 - 6	99%~3%						
RELCO	RP0977	[LED]	4-100W	2 - 10	97%- 3%		2 - 4	96%~3%		2 - 10	97%- 3%			
RELCO	RM0545	[LED]	4-100W	2 - 10	97%-3%			N.A.	N.A.	2 - 10	97%- 3%			
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	5 - 10	97%-3%		3-8	99%~3%		5 - 10	97%-3%			
Schneider Schneider	SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	[RC]	315W 4 ~ 400VA - Turn Universal (2wire)	5 - 10 5 - 10	97%- 3% 96%- 3%		3 - 8 2 - 8	99%~3% 99%~3%		5 - 10 5 - 10	97%- 3% 96%- 3%			
Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	[RC]	315W	5 - 10	96%- 3% 97%- 3%		3 - 8	99%~3%		5 - 10	96%- 3%			
VADSBO	ED 350	[RC]	50 ~ 350W		0.70 070		2 - 14	95%~3%		0.0	5170 570			
VADSBO	DRS 315	[RC]	50 ~ 315W				3 - 13	95%~3%						
VADSBO	DU 250	[RC]	20 ~ 250W				2 - 10	85%~3%						
Varilight	HQ3W	[R]	60-400W	2 - 10	96%-3%		3 -8	99%~3%		2 - 10	96%- 3%			
Varilight	ICT401 M	[RC]	20-400W				3 -16	90%~3%						
Vimar	20148	[RL]	500W	2 - 10	97%- 3%		2 - 8	99%~3%	<2	2 - 10	97%- 3%			
Vimar	14153	[R]					5 -20	96%~3%				ļ		
Vimar Vimar	20160	[RC] [RL]	40 ~ 300W	0 10	070/ 00/		2 -20	96%~3%	-0	0.10	97%- 3%			
				2 - 10	97%-3%		2 - 8	99%~3%	<2	2 - 10	91%-3%			
Philips Dynalite	20162 DDLE801	[RL]	(100W per channel)	2 - 10	97%- 3%		5 -8	94%~3%		2 - 10	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 can be todated to specified power/
 #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 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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 #4b) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) 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.
 King for answer the hold recensive in the compatibility list due to technical changes in dimmers.

- Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers
- #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaimer:

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



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



KEY

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

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Brand	Туре	[Type]	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	MaN Range	Glowing
Berker INSTA	286710	[RC]	20 ~ 360 W - Turn	3-20	96%~27%		1	89%~8%		1	94%~21%		1-3	99%~15%	
Berker INSTA	283010	[R]	60 ~ 400 W - Turn	3-20	86%~23%		1	94%~3%		1	97%~16%		1-3	100%~6%	
Bticino	L4407		60 ~ 250 W	0-20	N.A.	N.A.		5470 570			N.A.	N.A.	1=0	10070 070	
Busch Jaeger ABB	2200 U - 503	[R]	60 ~ 400 W - Turn	3-20	85%~33%	N.A.	1	91%~23%		1	98%~27%	11.75	1 - 3	100%~8%	
	2247 U	[R L]	20 ~ 500 W - Turn				1								
Busch Jaeger ABB	2250 U			3-20	83%~9%		· · · · · · · · · · · · · · · · · · ·	93%~3%			96%~3%		1 - 4	100%~3%	
Busch Jaeger ABB		[R]	60 ~ 600 W - Turn	3-20	87%~6%		1	96%~3%		1	95%~15%		1 - 4	100%~3%	
Busch Jaeger ABB	6513 U - 102	[RC]	40 ~ 420 W - Turn	3-20	98%~24%		1	93%~7%		1	97%~23%		1-3	99%~16%	
Busch Jaeger ABB	6523 U	[LED]	2 ~ 100 VA-LED - Turn	3-20	92%~3%		1	88%~3%		1	92%~21%		1 - 4	99%~3%	
Busch Jaeger ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	3-20	97%~23%	< 7				1	96%~15%				
ELKO Schneider	SBD200LED (CCTEL10501)] 4~200W(RC) 4~400W(RL)	3-20	96%~30%		1	88%~10%		1	94%~21%		1 - 3	100%~18%	
ELKO Schneider	SBD315RC (315 GLE)	[RC]	315W	3-20	95%~9%		1	89%~3%		1	93%~4%		1 - 3	100%~5%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC]	420W		N.A.	N.A.	1	93%~3%			N.A.	N.A.	_	N.A.	N.A.
Eltako	EVD61NPN-UC		400W 3-wire Push Module	3-20	99%~15%					1 - 3	97%~7%				
Feller Schneider	40200 (SBD200LED CCTCH10601)] 4~200W(RC) 4~400W(RL)	3-20	96%~30%		1	88%~10%			-		1 - 3	100%~18%	
Feller Schneider	40300 (SBD315)	[RLC]	300W										1 - 3	100%~5%	
Feller Schneider	40420 (SBD420)	[RLC]	420W											N.A.	N.A.
GIRA	1176-00/01	[RLC]	50 ~ 420W	3-20	96%~39%	< 12				1 - 3	93%~25%				
GIRA	2390 00/ 100	[LED]	7~100W - Push (3wire)	3-18	91%~15%		1	89%~4%		1	92%~10%				
Hager	EVN 011	[RC]	300VA	3-20	98%~18%	< 14				1 - 3	95%~16%				
Hager	EVN 012	[RC]	300W	3-20	99%~28%	< 14				1 - 3	97%~17%				
Hager	EVN 004	[RL]	500VA	3-20	99%~28%	< 15				1 - 3	99%~18%				
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	3-20	96%~33%		1	90%~10%		1	94%~23%		1 - 4	96%~13%	
Jung	1271LEDDE	[LED]	3 ~ 100W - Push (3wire)	3-20	94%~3%		1	90%~3%		1	93%~9%				
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24W	3-10	86%~3%	< 11					84%~30%				
Klik aan Klik uit	ACM 300	11	300W - 3-wire Push LED Dimmer	3-20	33%~3%	< 10					92%~10%				
Legrand	774161	[RL]	40 ~ 400 W - Turn	0 20	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.			
Legrand	78401	[RLC]	40 ~ 500W	3-20	97%~3%	< 13		11.73.	11.73.	1 - 3	97%~11%	11.71			
	67081	[RL]	40 ~ 400 W - Turn	3-20	N.A.	N.A.		N.A.	N.A.	1	93%~30%				
Legrand	67082	[RL]	40 ~ 600 W - Turn												
Legrand					N.A.	N.A.		N.A.	N.A.	1	92%~11%				
Legrand	67083	[RLC]	3 ~ 400W		N.A.	N.A.					88%~6%				
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	3-20	97%~23%			N.A.	N.A.	1	96%~3%		1 - 4	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 ~ 500W		N.A.	N.A.				1	87%~22%				
Merten Schneider	SBD200LED (MEG5134-0000)] 4~200W(RC) 4~400W(RL)	3-20	96%~30%		1	88%~10%					1 - 3	100%~18%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC]	315W	3-20	95%~9%		1	89%~3%					1 - 3	100%~5%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA				1	93%~3%						N.A.	N.A.
MK - Electric	K1535	[R]	65 ~ 450 W - Turn	3-20	72%~19%		1	82%~10%		1	81%~15%		1 - 3	100%~3%	
MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	3-10	82%~17%		1	88%~6%		1	89%~12%		1 - 3	100%~4%	
MK - Electric	K4501 WHILV	[RLC]	180W		N.A.	N.A.				1 - 3	90%~12%				
MK - Electric	K4500 WHILV	[RLC]	400W		N.A.	N.A.				1 - 3	90%~13%				
NIKO	310-0280X	[LED]	2 ~ 100 VA	3-9	98%~8%					1	98%~3%				
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	3-10	76%~4%					1 - 2	85%~4%				
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	3-20	92%~3%		1	88%~3%							
RELCO	RP0977	[LED]	4-100W							1	97%~27%		1 - 3	100%~3%	
RELCO	RM0545	[LED]	4-100W							1	89%~10%		1 - 4	100%~3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315W	3-20	95%~9%		1	89%~3%					1 - 3	100%~5%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315W	3-20	95%~9%		1	89%~3%					1 - 3	100%~5%	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	3-20	96%~30%		1	88%~10%					1 - 3	100%~18%	
Schneider	SBD315RC (SBD 315)	[RC]	315W	3-20	95%~9%		1	89%~3%							
VADSBO	ED 350	[RC]	50 ~ 350W	5-20	93%~34%					1 - 3	99%~22%				
VADSBO	DRS 315	[RC]	50 ~ 315W	0-20	93%~34%	N.A.				1-0	99%~22%	N.A.			
VADSBO	DU 250	[RC]	20 ~ 250W	3-20	92%~14%	N.A.				1 - 3	82%~5%	N.A.			
			20~250W 60-400W			<21		020/ 02/				<2		000/ 00/	
Varilight	HQ3W	[R]		3-20	85%~14%		1	93%~3%		1	95%~6%		1 - 3	99%~3%	
Varilight	ICT401 M	[RC]	20-400W	3-20	85%~14%	< 11				1 - 3	85%~2%				
Vimar	20148	[RL]	500W		N.A.	N.A.	1	94%~4%		1	95%~12%				
Vimar	14153	[R]		3-20	98%~3%	<10				1 - 3	96%~3%				
Vimar	20160	[RC]			N.A.	N.A.				1 - 3	95%~6%	<2			
Vimar	20162	[RL]	40 ~ 300W	3-20	96%~18%	<21	1	90%~5%		1	94%~15%				ļ
Philips Dynalite	DDLE801		(100W per channel)	3-20	97%~3%		1	88%~3%		1	97%~3%				
Philips Dynalite	DDTM102 Module		(460 W per channel)	3-20	97%~3%		1	91%~3%		1	99%~3%				

					LED	spot								
Co	rePro LEDcapsul 2.3-25W G9 827 D	e MV		CorePro R75 118m 14-100W CRI80 D			orePro LED line D 14-120W R75 118 CRI80	ar	CorePro LED lineair D 17.5-150W R7s					
	Q			ļ			ļ							
										NEW				
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing			
3-20	96%~27%		1	89%~8%		1	94%~21%		1 - 3	99%~15%				
3-20	86%~23%	N.A.	1	94%~3%		1	97%~16% N.A.	N.A.	1 - 3	100%~6%				
3-20	85%~33%	N.A.	1	91%~23%		1	98%~27%	N.A.	1 - 3	100%~8%				
3-20	83%~9%		1	93%~3%		1	96%~3%		1 - 4	100%~3%				
3-20	87%~6%		1	96%~3%		1	95%~15%		1 - 4	100%~3%				
3-20 3-20	98%~24% 92%~3%		1	93%~7% 88%~3%		1	97%~23% 92%~21%		1 - 3 1 - 4	99%~16% 99%~3%				
3-20	97%~23%	< 7		0070~370		1	96%~15%		1-4	9970~370				
3-20	96%~30%		1	88%~10%		1	94%~21%		1 - 3	100%~18%				
3-20	95%~9%		1	89%~3%		1	93%~4%		1 - 3	100%~5%				
0.00	N.A.	N.A.	1	93%~3%			N.A.	N.A.		N.A.	N.A.			
3-20 3-20	99%~15% 96%~30%		1	88%~10%		1 - 3	97%~7%		1 - 3	100%~18%				
0 20									1-3	100%~5%				
										N.A.	N.A.			
3-20	96%~39%	< 12				1 - 3	93%~25%							
3-18	91%~15%	< 14	1	89%~4%		1 1-3	92%~10% 95%~16%							
3-20 3-20	98%~18% 99%~28%	< 14 < 14				1-3	95%~16%							
3-20	99%~28%	< 15				1 - 3	99%~18%							
3-20	96%~33%		1	90%~10%		1	94%~23%		1 - 4	96%~13%				
3-20	94%~3%		1	90%~3%		1	93%~9%							
3-10 3-20	86%~3% 33%~3%	< 11 < 10					84%~30% 92%~10%							
0-20	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.						
3-20	97%~3%	< 13				1 - 3	97%~11%							
	N.A.	N.A.		N.A.	N.A.	1	93%~30%							
	N.A.	N.A.		N.A.	N.A.	1	92%~11%							
3-20	N.A. 97%~23%	N.A.		N.A.	N.A.	1	88%~6% 96%~3%		1 - 4	96%~3%				
3-20	99%~4%			N.A.	N.A.	1	99%~3%							
	N.A.	N.A.				1	87%~22%							
3-20	96%~30%		1	88%~10%					1-3	100%~18%				
3-20	95%~9%		1	89%~3% 93%~3%					1 - 3	100%~5% N.A.	N.A.			
3-20	72%~19%		1	82%~10%		1	81%~15%		1 - 3	100%~3%				
3-10	82%~17%		1	88%~6%		1	89%~12%		1 - 3	100%~4%				
	N.A.	N.A.				1 - 3	90%~12%							
3-9	N.A. 98%~8%	N.A.				1 - 3 1	90%~13% 98%~3%							
3-10	76%~4%					1 - 2	85%~4%							
3-20	92%~3%		1	88%~3%										
						1	97%~27%		1-3	100%~3%				
3-20	95%~9%		1	89%~3%		1	89%~10%		1 - 4 1 - 3	100%~3% 100%~5%				
3-20	95%~9%		1	89%~3%					1-3	100%~5%				
3-20	96%~30%		1	88%~10%					1 - 3	100%~18%				
3-20	95%~9%		1	89%~3%										
5-20	93%~34%					1 - 3	99%~22%	N 4						
	N.A.	N.A.		1			N.A.	N.A.						

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 can be todated to specified power/
 #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: Sometimes fickering is observed due to low oliminer loads, best visible at deep dimining
 #4a) Yellow cells indication: Dimining 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: Dimining 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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 #4b) Yellow cells indication: Dimining 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 toge, 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.

- Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers
- #9) In general Philips dimmable LED lamps can be dimmed with any type of dimmer (type R, RL, RC or RLC).

Disclaimer:

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





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08/2019 Data subject to change.