

Recommended dimmer compatibility list for Mains Voltage Lamps

# **KEY**

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance									
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load									
	nexpected performance behavior, not in line with good dimming perception									
N.A.	Dimmer lamp combination not applicable									
t.b.d.	Dimmer lamp combination not tested									

This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, might contain faults

							LED bulbs														
				Dimn	E27 6-40 W Dimmable WarmGlow			E27 9-60 W nable Warm	Glow		E27 6-40 W Dimmable			E27 9.5-60 W Dimmable			E27 11.5-75 W Dimmable			E27 16-100 W Dimmable	
								X						PROJET							
	ı	I	ı	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	lowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Brand	Туре	Туре	Load			ซื			ซั			ชั			ซื			_			ซื
Berker  INSTA Berker  INSTA	286710 283010	[RC]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	1-3	87%-3% 90%-3%		1-3 1-3	98%-4% 95%-3%		1-3 1-3	94%-3%		1-3 1-3	95%~3% 92%~11%		1-3 1-3	90%-10%	t.b.d.	1-3	91%-9% N.A.	N.A.
Bticino	L4407	[ ]	60 ~ 250 W	1-5	N.A.	N.A.	1-3	N.A.	N.A.	1-3	N.A.	N.A.		N.A.	N.A.	1-5	N.A.	N.A.		N.A.	N.A.
Busch Jaeger  ABB	2200 U - 503	[R ]	60 ~ 400 W - Turn	1-3	93%~3%		1-3	94%5%		1-3	98%-9%		1-3	94%-15%		1-3	92%-24%		1-3	94%-25%	
Busch Jaeger  ABB	2247 U	[R ]	60 ~ 400 W - Turn	1-3	90%~3%		1-3	95%~3%			N.A.	N.A.	1-3	95%~3%		1-3	94%-3%		1-3	94%-3%	
Busch Jaeger  ABB	2250 U	[RL]	20 ~ 500 W - Turn	1-3	92%~3%		1-3	95%-3%		1-3	99%~3%		1-3	92%~3%		1-3	96%~3%		1-3	94%~3%	
Busch Jaeger ABB	6513 U - 102	[R ]	40 ~ 420 W - Turn	1-3	94%~8%		1-3	96%~5%		1.2	98%~5%		1.2	92%~4%		1-3	92%~10%		1-3	93%~9%	
Busch Jaeger  ABB Busch Jaeger  ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	1-3	86%~3% 91%~4%		1-3 1-3	89%~3% 88%~5%		1-3 1-3	94%~3%		1-3 1-3	94%-3%		1-3 1-3	82%~3% 88%~23%		1-3 1-3	90%~3%	
ELKO  Schneider	SBD200LED (CCTEL10501)	[LED/RC]		1-3	88%-3%		1-3	90%-4%		3	91%-13%		1-3	91%~7%		1-3	88%-13%		1-3	90%-13%	
ELKO  Schneider	SBD315RC (315 GLE )	[RC]	315 W	1-3	93%~3%		1-3	92%~3%		1-3	93%-3%		1-3	98%-3%		1-3	88%-3%		1-3	90%-3%	
ELKO  Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	1-3	89%-3%		1-3	95%~3%		1-3	91%~3%		1-3	93%-3%		1-3	92%-3%		1-3	94%-3%	
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Feller  Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]		1-3	88%-3%		1-3	90%-4%		3	91%~3%		1-3	91%~7%		1-3	88%-13%		1-3	90%-13%	
GIRA	1176-00/01 2390 00/ 100	[RLC]	50 ~ 420 W 7 ~ 100 W - Push (3wire)	1-3	93%-5%		1-3 1-3	88%~5% 91%~3%		1-3 1-3	93%-15%		1-3 1-3	93%-13%		1-3 1-3	92%-20%		1-3 1-3	93%~19%	
Hager	EVN 011	[RC]	7 ~ 100 W - Pasii (Swile)	1-3	98%~3%		1-3	93%~3%		1-3	97%~3%		1-3	97%~3%		1-3	97%~3%		1-3	96%-4%	
Hager	EVN 012	[RC]	300 W	1-3	98%-3%		1-3	93%-3%		1-3	97%-3%		1-3	97%-3%		1-3	95%-3%		1-3	95%~4%	
Hager	EVN 004	[RL]		1-3	98%~3%		1-3	93%~3%		1-3	97%-3%		1-3	97%~3%		1-3	97%–5%		1-3	98%~4%	
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	1-3	93%~3%		1-3	96%-5%		1-3	92%~8%		1-3	93%~7%		1-3	90%-10%		1-3	91%11%	
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	1-3	87%~7%		1-3	91%~7%		1-3	95%~3%		1-3	93%~3%		1-3	90%-28%			91%-26%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24 W	1-3	82%~4%	t b d	1-3	83%~5%	t lo d	1-3	84%-12%	t b. d	1-3	87%-20%	t b d	1-3	83%~25%	t b d		85%~23%	t b d
Klik aan Klik uit Legrand	ACM 300 774161	[RL]	300 W - 3-wire Push LED Dimmer 40 - 400 W - Turn	t.b.d.	t.b.d.	t.b.d. N.A.	t.b.d.	t.b.d. N.A.	t.b.d. N.A.	t.b.d.	t.b.d. N.A.	t.b.d. N.A.	t.b.d.	t.b.d. N.A.	t.b.d. N.A.	t.b.d.	t.b.d. N.A.	t.b.d. N.A.	t.b.d.	t.b.d. N.A.	t.b.d.
Legrand	78401	[RLC]	40 ~ 500 W	1-3	96%~3%	14.74	1-3	93%~3%	TV.PA	1-3	93%~3%	14.74	1-3	93%~3%	Terra.	1-3	92%-5%	Hirt	1-3	94%–5%	14.74.
Legrand	67081	[RL]	40 – 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400 W		N.A.	N.A.	1-3	90%~3%			N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	1-3	95%~3%		1-3	95%~3%			98%~3%			92%~3%		1-3	92%-5%		1-3	92%~5%	
Legrand Legrand	67085 (078406) L4402N	[RLC]	8 - 300 VA - Push LED (3wire) 60 ~ 500 W	1-3	88%-17% N.A.	N.A.	1-3 2-3	95%~3% 83%~5%			96%~3% N.A.	N.A.	2-3	97%~3% 87%~11%		1-3 1-3	94%~3% 85%~17%		1-3 1-3	94%~3% 85%~16%	
Merten  Schneider	SBD200LED (MEG5134-0000)	[LED/RC]		1-3	88%~3%	IV.A.	1-3	90%-4%		3	91%~3%	14.75.	1-3	91%~7%		1-3	88%-13%		1-3	90%–13%	
Merten  Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	1-3	93%~3%		1-3	92%~3%		1-3	93%~3%		1-3	98%~3%		1-3	88%~3%		1-3	90%~3%	
Merten  Schneider	SBD420RCRL (MEG5138-0000)	[RLC]	20 ~ 420 VA	1-3	89%~3%		1-3	95%~3%		1-3	91%~3%		1-3	93%~3%		1-3	92%~3%		1-3	94%–3%	
MK - Electric	K1535	[R ]	65 ~ 450 W - Turn		N.A.	N.A.	1-3	80%~3%		1-3	82%-3%		1-3	84%-6%		1-3	82%~10%		1-3	83%-9%	
MK - Electric	K1501 WHILV	[R ]	60 ~ 500 W - Turn	1-3	85%~3%		1-3	90%-3%		1-3	89%-3%		1-3	92%-3%		1-3	78%-8%		1-3	88%~8%	
MK - Electric MK - Electric	K4501 WHILV K4500 WHILV	[RLC]		1-3	88%-3% 88%-3%		1-3 1-3	83%~3% 85%~3%		1-3 1-3	87%-3% 87%-3%		1-3 1-3	88%~3% 87%~3%		1-3 1-3	78%-8% 78%-8%		1-3 1-3	88%~8%	
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	98%-4%		1-3	95%-5%		1-3	96%-4%		1-3	96%-5%		1-3	95%-13%			95%-13%	
PEHA	431HAN	[RL]	6 – 120W [LED] 6 – 60W	1-3	88%~4%		1-3	83%~5%		1-3	85%-12%		1-3	89%-27%		1-3	88%-28%			88%-28%	
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	1-3	86%~3%		1-3	89%~3%		1-3	94%~3%		1-3	94%~3%		1-3	82%~3%		1-3	90%~3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	1-3	93%~3%		1-3	92%-3%		1-3	93%~3%		1-3	98%3%		1-3	88%~3%		1-3	90%-3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	1-3	93%~3%		1-3	92%~3%		1-3	93%~3%		1-3	98%~3%		1-3	88%~3%		1-3	90%~3%	
Schneider	SBD200 (WDE 002299)	[ ]	4 ~ 400 VA - Turn Universal (2wire)	1-3	88%~3%		1-3	90%~4%		3	91%~3%		1-3	91%~7%		1-3	88%-13%		1-3	90%-13%	
Schneider VADSBO	SBD315RC (SBD 315)  ED 350	[RC]	315 W 50 ~ 350 W	1-3	93%~3%		1-3 1-3	90%-4%		1-3 1-3	93%~3%		1-3 1-3	98%~3% 85%~11%		1-3 1-3	88%~3% 85%~17%		1-3 1-3	90%~3%	
VADSBO	DRS 315	[RC]	50 ~ 315 W	1-3	91%~5% N.A.	N.A.	1-3	93%~3%	<2	1-3	92%~3%		1-3	92%~3%		1-3	90%~7%		1-3	91%-6%	
VADSBO	DU 250	[RC]	20 ~ 250 W	1-3	88%-3%	<4	1-3	83%~3%	<4	1-3	87%-3%		1-3	83%-3%		1-3	80%-3%		1-3	80%-3%	
Varilight	HQ3W	[R]		1-3	92%~3%		1-3	99%~3%		1-3	95%~3%		1-3	95%~3%		1-3	94%-3%		1-3	93%~3%	
Varilight	ICT401 M	[RC]		t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Vimar																					
	20148	[RL]	500 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	1-3	94%~3%		1-3	94%-7%		1-3	94%6%	
Vimar IKEA	20148 20162 E0902 - Dim	[RL] [RL]	500 W 40 ~ 300 W 25 ~ 150 W	1-3	N.A. N.A. 91%~1%	N.A.	1-3	N.A. N.A. 93%–1%	N.A.	1-3 1-3	N.A. 95%-5% 96%-2%	N.A.	1-3 1-3 1-3	94%-3% 88%-3% 95%-10%		1-3 1-3 1-3	94%-7% 88%-3% 92%-12%	t.b.d.	1-3 1-3 1-2	94%-6% 91%-3% 94%-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, therefore Philips recommends to use dimmable lamps in combination with it.
- #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
- #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources. (e.g. flickering where "active loads" can reduce your problems)
- #4b)Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%
- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues. #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.  $Philips\ cannot\ be\ held\ responsible\ for\ inaccuracies\ in\ the\ compatibility\ lists\ due\ to\ technical\ changes\ in\ dimmers$





# Recommended dimmer compatibility list for Mains Voltage Lamps

### **KEY**

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance	
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load	,
	Unexpected performance behavior, not in line with good dimming perception	
N.A.	Dimmer lamp combination not applicable	,
t.b.d.	Dimmer lamp combination not tested	,

This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, might contain faults

							Classic LED bulb									
					A60 4.5-40 W Dimmable			ST64 7-60 W Dimmable			A60 7.5-60 W Dimmable					
								(Fil								
					₩						111111111111111111111111111111111111111					
								NEW			NEW					
	1	l	ı	Dimming Performance	Dimming	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing				
Brand Berker  INSTA	<b>Type</b> 286710	Type	Load	t.b.d.		t.b.d.	1-3	ے کے 94%~3%	ਰ	1 i	© ₩ 92%~3%	ច				
Berker  INSTA	283010	[RC]	20 ~ 360 W - Turn 60 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.				
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	t.b.d.	t.b.d.	t.b.d.	1 - 3	97%~3%		1 - 3	93%~3%					
Busch Jaeger  ABB	2247 U	[R ]	60 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	1 - 3	94%~3%		1 - 3	92%~3%					
Busch Jaeger  ABB	2250 U	[RL]	20 ~ 500 W - Turn	t.b.d.	t.b.d.	t.b.d.	1 - 3	96%–3%		1 - 3	93%~3%					
Busch Jaeger ABB	6513 U - 102	[R ]	40 ~ 420 W - Turn	t.b.d.	t.b.d.	t.b.d.	1 - 3	95%~3%		1 - 3	93%~3%					
Busch Jaeger  ABB Busch Jaeger  ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	t.b.d. 1 - 3	t.b.d. 88%–3%	t.b.d.	1 - 3 1 - 3	91%~3% 95%~3%		1 - 3 1 - 3	88%–3% 97%–3%					
ELKO  Schneider	SBD200LED (CCTEL10501)		4 ~ 200 W(RC) 4 ~ 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	1-3	94%-6%		1 - 3	90%-4%					
ELKO  Schneider	SBD315RC (315 GLE )	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1 - 3	83%~3%		1 - 3	90%-3%					
ELKO  Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	t.b.d.	t.b.d.	t.b.d.	3	99%–3%		2 - 3	93%~3%					
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	1-3	99%–3%		1 - 3	99%–3%		1 - 3	99%–3%					
Feller  Schneider	40200 (SBD200LED CCTCH10601)	-	4 ~ 200 W(RC) 4 ~ 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	1 - 3	94%-6%		1 - 3	90%-4%					
GIRA	1176-00/01	[RLC]	50 ~ 420 W	1 - 3	95%~13%	+ b-d	1 - 3	95%–11%		1 - 3	96%-13%					
GIRA Hager	2390 00/ 100 EVN 011	[RC]	7 – 100 W - Push (3wire)	t.b.d. 1 - 3	t.b.d. 99%-3%	t.b.d.	1 - 3 1 - 3	93%~3% 96%~3%		1 - 3 1 - 3	89%–3% 99%–3%					
Hager	EVN 012	[RC]	300 W	1-3	99%-4%		1-3	98%-3%		1-3	98%-4%					
Hager	EVN 004	[RL]		1 - 3	98%–5%		1 - 3	98%-4%		1 - 3	99%-4%					
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	t.b.d.	t.b.d.	t.b.d.	1 - 3	93%-6%		1- 3	90%-4%					
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	1 - 3	95%–10%		1 - 3	90%-3%					
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24 W	1 - 3	88%-3%		1 - 3	86%–3%		1 - 3	86%–11%					
Klik aan Klik uit	ACM 300		300 W - 3-wire Push LED Dimmer	1-3	91%~3%		1 - 3	80%–3%		1 - 3	93%~3%					
Legrand	774161	[RL]	40 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.		N.A.	N.A.	2- 3	93%-3%					
Legrand Legrand	78401 67081	[RLC]	40 – 500 W 40 – 400 W - Turn	1 - 3 t.b.d.	96%–3% t.b.d.	t.b.d.	1 - 3	95%–3% N.A.	N.A.	1 - 3	96%–3% N.A.	N.A.				
Legrand	67082	[RL]	40 ~ 600 W - Turn	t.b.d.	t.b.d.	t.b.d.		N.A.	N.A.		N.A.	N.A.				
Legrand	67083		3 ~ 400 W	1 - 3	88%-3%		1 - 2	87%~5%		1- 3	87%–3%					
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	t.b.d.	t.b.d.	t.b.d.	1 - 3	95%–3%		1- 3	93%–3%					
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	t.b.d.	t.b.d.	t.b.d.	1 - 3	98%–3%		1- 3	95%~3%					
Legrand	L4402N	[R]	60 ~ 500 W	3	87%-4%		2 - 3	87%–5%		1- 3	87%–5%					
Merten  Schneider	SBD200LED (MEG5134-0000)	-	4 ~ 200 W(RC) 4 ~ 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	1 - 3	94%-6%		1 - 3	90%-4%					
Merten  Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1 - 3 3	83%~3% 99%~3%		1 - 3 2 - 3	90%–3%					
Merten  Schneider MK - Electric	SBD420RCRL (MEG5138-0000) K1535	[ RLC ]	20 ~ 420 VA 65 ~ 450 W - Turn	t.b.d.	t.b.d.	t.b.d.	1 - 3	84%-3%		1-3	81%~3%					
MK - Electric	K1501 WHILV	[R ]	60 ~ 500 W - Turn	t.b.d.	t.b.d.	t.b.d.	1 - 3	87%–3%		1 - 3	86%-3%					
MK - Electric	K4501 WHILV	[RLC]		2-3	88%-3%		1 - 3	91%~9%		1 - 3	88%-3%					
MK - Electric	K4500 WHILV	[RLC]		2-3	89%-3%		1 - 3	91%~9%		1 - 3	88%-3%					
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-3	98%-3%		1 - 3	97%~3%		1 - 3	97%-3%					
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-3	88%-3%		1 - 3	87%~3%		1 - 3	87%~3%					
Philips Schneider	UID8670 SBD315RC (SBD 315, SDD 315)	[RC]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	1 - 3 1 - 3	91%~3% 83%~3%		1 - 3 1 - 3	88%~3% 90%~3%					
Schneider	SBD315RC (ATD315)(CCTO11533)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1-3	83%~3%		1-3	90%-3%					
Schneider	SBD200 (WDE 002299)	[ ]	4 ~ 400 VA - Turn Universal (2wire)	t.b.d.	t.b.d.	t.b.d.	1 - 3	94%-6%		1 - 3	90%-4%					
Schneider	SBD315RC (SBD 315)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1-3	83%~3%		1-3	90%-3%					
VADSBO	ED 350	[RC]	50 ~ 350 W	1 - 3	93%13%		1 - 3	91%~9%		1 - 3	93%13%					
VADSBO	DRS 315	[RC]	50 ~ 315 W		N.A.	N.A.		N.A.	N.A.	1-3	95%~3%					
VADSBO	DU 250	[RC]	20 ~ 250 W	1-3	91%–3%	< 3	1 - 3	87%~3%		1- 3	88%–3%					
Varilight	HQ3W	[R]		t.b.d.	t.b.d.	t.b.d.	1-3	93%~3%		1-3	91%~3%					
Varilight	ICT401 M	[RC]	FOOW	1-3	82%–3%	4 15 41	1 - 3	87%~3%	-2	1-3	87%~3%					
Vimar	20148	[RL]	500 W 40 ~ 300 W	t.b.d.	t.b.d.	t.b.d.	1 - 3 1 - 3	95%~3% 97%~3%	<2 <2	1 - 3 1 - 3	92%~3% 91%~3%					
IKEA	E0902 - Dim	[R ]	25 ~ 150 W	t.b.d.	t.b.d.	t.b.d.	1-3	97%~3%		1-3	93%~3%					
					1	1 2 22										

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





Recommended dimmer compatibility list for Mains Voltage Lamps

# **KEY**

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer lamp combination not tested

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						LED candle	/ LED lustre	Classic LED candle						
					E14 / E27 4-25 W Dimmable WarmGlov	v		E14 / E27 6-40 W Dimmable WarmGlow	,	B35 / BA35 3-25 W / 5-40 W Dimmable				
				T (			PAS V							
Brand	Туре	Type	Load	Dimming	Dimming Range	Glowing	Dimming Performance	Dimming	Glowing	Dimming Performance	Dimming Range Man	Glowing		
Berker  INSTA	286710	[RC]	20 ~ 360 W - Turn	2-18	96%~3%	t.b.d.	2-12	93%-3%	t.b.d.	2- 27	95%-3%			
Berker  INSTA	283010	[R ]	60 ~ 400 W - Turn	2-20	89%–3%	t.b.d.	2-13	89%3%	t.b.d.	t.b.d.	t.b.d.	t.b.d.		
Bticino	L4407	[ ]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.		
Busch Jaeger  ABB	2200 U - 503	[R ]	60 ~ 400 W - Turn	2-20	92%~3%	t.b.d.	2-13	92%–3%	t.b.d.	2 -20	94%–11%			
Busch Jaeger  ABB	2247 U	[R ]	60 ~ 400 W - Turn	2-25	91%-3%	t.b.d.	2-17	91%-3%	t.b.d.	5 -20	95%-3%			
Busch Jaeger   ABB	2250 U	[RL]	20 ~ 500 W - Turn	2-30	88%~3%	t.b.d.	2-20	93%-3%	t.b.d.	2 -20	95%~3%			
Busch Jaeger ABB	6513 U - 102	[R ]	40 ~ 420 W - Turn	2-21	94%~3%	t.b.d.	2-14	91%–3%	t.b.d.	2 -20	95%-3%			
Busch Jaeger  ABB Busch Jaeger  ABB	6523 U 6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	2-20 2-20	84%~3% 88%~7%	t.b.d.	2-17 2-17	83%~3% 88%~5%	t.b.d. < 6	2 -20 t.b.d.	90%-3% t.b.d.	t.b.d.		
ELKO  Schneider	SBD200LED (CCTEL10501)	[LED/RC]		2-20	95%~3%	t.b.d.	2-17	92%-3%	t.b.d.	2 -27	94%~3%	t.b.d.		
ELKO  Schneider	SBD315RC (315 GLE )	[RC]	315 W	2-15	88%~3%	t.b.d.	2-11	87%-0%	t.b.d.	2 -21	93%-3%			
ELKO  Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	2-20	91%~3%	t.b.d.	2-14	90%~3%	t.b.d.	7 - 28	96%-3%			
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.		
Feller  Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-20	95%~3%	t.b.d.	2-13	92%~3%	t.b.d.	2 -27	94%~3%			
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-20	95%7%	<7	2-14	95%-5%	< 9	t.b.d.	t.b.d.	t.b.d.		
GIRA	2390 00/ 100	[LED]	7 ~ 100 W - Push (3wire)	2-25	94%~3%	t.b.d.	2-17	92%~3%	t.b.d.	2- 30	91%–3%			
Hager	EVN 011	[RC]			95%4%	<7	2-10	96%~3%	< 10	t.b.d.	t.b.d.	t.b.d.		
Hager	EVN 012	[RC]	300 W		95%~4%	<7	2-10	95%~3%	< 10	t.b.d.	t.b.d.	t.b.d.		
Hager	EVN 004	[RL]			95%~7%	<7	2-17	96%4%	< 11	t.b.d.	t.b.d.	t.b.d.		
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	2-26	89%~3%	t.b.d.	2-18	89%~3%	t.b.d.	3- 30	94%~3%			
Jung Klik aan Klik uit	1271LEDDE AWMD-250	[LED]	3 ~ 100 W - Push (3wire) 3 ~ 24 W	2-25	93%~4% 78%~7%	t.b.d. <6	2-17 2-4	92%~3% 77%~4%	t.b.d. < 5	2- 30 t.b.d.	91%-3% t.b.d.	t.b.d.		
Klik aan Klik uit	ACM 300	[LED]	300 W - 3-wire Push LED Dimmer	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.		
Legrand	774161	[RL]	40 ~ 400 W - Turn	t.b.d.	N.A.	N.A.	1.5.0.	N.A.	N.A.	5- 27	95%-3%	t.b.d.		
Legrand	78401	[RLC]	40 ~ 500 W	2-20	95%4%	<7	2-13	93%4%	< 9	t.b.d.	t.b.d.	t.b.d.		
Legrand	67081	[RL]	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.	5- 20	96%~3%			
Legrand	67082	[RL]	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.	4- 30	97%~3%			
Legrand	67083	[RLC]	3 ~ 400 W		N.A.	N.A.		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.		
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)		N.A.	N.A.		N.A.	N.A.	2- 27	90%3%			
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	2-15	94%~3%	t.b.d.	2-10	91%-3%	t.b.d.	2- 20	96%-3%			
Legrand	L4402N	[R]	60 ~ 500 W		79%4%		8-17	79%4%		t.b.d.	t.b.d.	t.b.d.		
Merten  Schneider	SBD200LED (MEG5134-0000)		4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-20	95%~3%	t.b.d.	2-13	92%-3%	t.b.d.	2 -27	94%~3%			
Merten  Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	2-15	88%~3%	t.b.d.	2-11	87%-3%	t.b.d.	2 -21	93%-3%			
Merten  Schneider	SBD420RCRL (MEG5138-0000) K1535	[RLC]	20 ~ 420 VA 65 ~ 450 W - Turn	2-20	91%3%	t.b.d.	2-14	90%~3%	t.b.d.	7 - 28	96%~3%			
MK - Electric MK - Electric	K1501 WHILV	[R]	60 ~ 500 W - Turn	2-23 2-25	79%~3% 88%~3%	t.b.d. t.b.d.	2-15 2-17	77%–3% 87%–3%	t.b.d.	2- 30 2- 30	83%–3% 88%–3%			
MK - Electric	K4501 WHILV	[RLC]	SS SSO II IUIII	2 23	83%~3%	C.D.G.	2-17	82%-3%	CD.G.	t.b.d.	t.b.d.	t.b.d.		
MK - Electric	K4500 WHILV	[RLC]			83%~3%			N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.		
NIKO	310-0280X	[LED]	2 ~ 100 VA	2-5	96%~5%		2-3	96%-4%		t.b.d.	t.b.d.	t.b.d.		
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W		82%~7%		2-4	82%-5%		t.b.d.	t.b.d.	t.b.d.		
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	2-20	84%~3%	t.b.d.	2-17	83%~3%	t.b.d.	2 -20	90%-3%			
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	2-15	88%-3%	t.b.d.	2-11	87%-3%	t.b.d.	2 -21	93%-3%			
Schneider	SBD315RC (ATD315)(CCT011533)	[RC]	315 W	2-15	88%~3%	t.b.d.	2-11	87%3%	t.b.d.	2 -21	93%3%			
Schneider	SBD200 (WDE 002299)	[ ]	4 ~ 400 VA - Turn Universal (2wire)	2-20	95%~3%	t.b.d.	2-13	92%-3%	t.b.d.	2 -27	94%-3%			
Schneider	SBD315RC (SBD 315)	[RC]	315 W	2-15	88%-3%	t.b.d.	2-11	87%-3%	t.b.d.	2 -21	93%-3%			
VADSBO	ED 350	[RC ]	50 ~ 350 W	2-18	88%~7%		2-12	84%4%		t.b.d.	t.b.d.	t.b.d.		
VADSBO	DRS 315	[RC]	50 ~ 315 W	4-16	89%-4%		5-11	91%-4%	< 12	t.b.d.	t.b.d.	t.b.d.		
VADSBO	DU 250	[RC]	20 ~ 250 W	2-13	86%~3%		2-8	79%–3%	< 8	t.b.d.	t.b.d.	t.b.d.		
Varilight Varilight	HQ3W ICT401 M	[R]		2-20 t.b.d.	91%–3% t.b.d.	t.b.d. t.b.d.	2-13 t.b.d.	90%~3% t.b.d.	t.b.d.	3- 27 t.b.d.	94%-3% t.b.d.	t.b.d.		
Varilight Vimar	20148	[RC]	500 W	6-25	t.b.d. 90%~3%	t.b.d.	4-17	92%~3%	t.b.d.	2- 30	t.b.d. 94%~3%	t.b.d.		
Vimar	20162	[RL]	40 ~ 300 W	6-15	92%-3%	t.b.d.	4-10	86%-3%	t.b.d.	4- 30	95%-3%	<3		
IKEA	E0902 - Dim	[R ]	25 ~ 150 W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	2- 10	95%-3%			
	<u> </u>	-			1			1						

## Note:

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# Recommended dimmer compatibility list for Mains Voltage Lamps

# **KEY**

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance										
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load										
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							Classic LED spot											
				Di	GU10 4.5-35 W mmable WarmGl	ow	Di	GU10 5.5-50 W mmable WarmG	low		GU10 3.5-35 <b>W</b> Dimmable		GU10 4.6-50 W Dimmable					
													NA FT MI					
					30 30			85 GB			00 00							
					NEW			NEW			NEW			NEW				
	I	ı	I	Dimming Performan <i>c</i> e	<b>Dimming</b> Range	Glowing	Dimming Performan <i>c</i> e	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming	Glowing			
Berker   INSTA	<b>Type</b> 286710	Type [RC]	<b>Load</b> 20 ~ 360 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-13	92%~6%	<u></u> 5	2-20	ි සී 91%~25%	<u></u> 5	2-15	85%~19%	<u></u>			
Berker  INSTA	283010	[R ]	60 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-15	94%-4%		2-20	95%-24%		2-15	88%~19%				
Bticino	L4407	[ ]	60 – 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.			
Busch Jaeger  ABB	2200 U - 503	[R ]	60 – 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-15	96%~5%		2-18	93%~19%		2-15	89%17%				
Busch Jaeger  ABB	2247 U	[R ]	60 – 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-18	96%~3%		2-20	93%10%		2-18	97%6%				
Busch Jaeger  ABB	2250 U	[RL]	20 ~ 500 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-20	97%-3%		2-20	96%7%		2-20	98%~4%				
Busch Jaeger  ABB Busch Jaeger  ABB	6513 U - 102 6523 U	[R]	40 ~ 420 W - Turn 2 ~ 100 VA-LED - Turn	t.b.d.	t.b.d.	t.b.d.	2-15 2-18	96%~6% 93%~3%		2-20 2-20	94%-23% 90%-2%		2-15 2-20	87%-20% 93%-17%				
Busch Jaeger  ABB	6526 U	[LED]	2 ~ 100 VA-LED - Turn 2 ~ 100 VA-LED - Push (2wire)	2-20	96%-4%	t.b.d.	2-18	93%~3%		2-20	96%-24%		2-20	95%-17%				
ELKO  Schneider	SBD200LED (CCTEL10501)	[LED/RC]		t.b.d.	t.b.d.	t.b.d.	2-15	97%~4%		2-20	92%-29%		2-15	85%-23%				
ELKO  Schneider	SBD315RC (315 GLE )	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	2-14	91%~6%		2-11	91%~5%				
ELKO  Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	2-19	94%14%		2-15	97%~13%				
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	2-18	98%~3%		2-15	98%~4%	< 16	2-14	99%~15%	< 19	2-15	99%-14%	< 16			
Feller  Schneider	40200 (SBD200LED CCTCH10601)		4 ~ 200 W(RC) 4 ~ 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	2-15	97%~4%		2-20	92%–29%		2-15	85%-23%				
GIRA	1176-00/01	[RLC]	50 ~ 420 W	2-19	96%-10%	t b d	2-15	95%~8%		2-19	94%~36%		2-15	95%~32%				
GIRA Hager	2390 00/ 100 EVN 011	[RC]	7 ~ 100 W - Push (3wire)	t.b.d. 2-13	t.b.d. 98%-3%	t.b.d. < 12	2-16 2-11	91%~4% 98%~5%	< 12	2-13 2-14	97%13% 97%19%	< 6	2-18 2-11	90%–14% 97%–16%	< 12			
Hager	EVN 012	[RC]	300 W	2-13	98%-4%	< 12	2-11	97%~5%	< 12	2-14	98%-19%	< 5	2-11	97%-16%	< 12			
Hager	EVN 004	[RL]		2-20	98%~3%		2-18	97%~5%		2-20	98%-19%		2-18	97%~16%				
Jung	225 TDE	[RC]	20 – 525 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-16	93%~7%		2-20	92%-26%		2-15	87%22%				
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	2-16	91%~3%		2-20	93%-37%		2-20	88%~35%				
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24 W	2-5	88%~3%			N.A.	N.A.	2-5	88%–3%		2-4	87%37%				
Klik aan Klik uit	ACM 300		300 W - 3-wire Push LED Dimmer	2-13	90%~3%		2-11	91%~4%		2-14	93%-3%			N.A.	N.A.			
Legrand	774161 78401	[RL]	40 ~ 400 W - Turn 40 ~ 500 W	t.b.d. 2-18	t.b.d.	t.b.d.	2-15	N.A. 95%~3%	N.A.	2-18	N.A. 96%–3%	N.A.	2-15	N.A. 92%~16%	N.A.			
Legrand Legrand	67081	[RLC]	40 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-15	95%~5% N.A.	N.A.	2=10	96%–3% N.A.	N.A.	2=15	92%~10% N.A.	N.A.			
Legrand	67082	[RL]	40 ~ 600 W - Turn	t.b.d.	t.b.d.	t.b.d.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.			
Legrand	67083	[RLC]	3 ~ 400 W	2-3	90%-1%			N.A.	N.A.	2-3	89%~12%			N.A.	N.A.			
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	t.b.d.	t.b.d.	t.b.d.		N.A.	N.A.	2-18	98%–20%		2-15	88%-15%				
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	t.b.d.	t.b.d.	t.b.d.	2-11	98%~3%			N.A.	N.A.	2-11	99%~3%				
Legrand	L4402N	[R]	60 ~ 500 W	10-20	88%~4%		5-18	88%7%		8-20	91%~30%		3-18	86%-28%				
Merten  Schneider	SBD200LED (MEG5134-0000)		4 – 200 W(RC) 4 – 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	2-15	97%~4%		2-20	92%-29%		2-15	85%~23%				
Merten  Schneider Merten  Schneider	SBD315RC (MEG5136-0000)  SBD420RCRL (MEG5138-0000)	[RC]	315 W 20 ~ 420 VA	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	2-14 2-19	91%6% 94%14%		2-11 2-15	91%~5% 97%~13%				
MK - Electric	K1535	[RLC]	65 ~ 450 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-16	84%~5%	t.D.u.	2-19 3-20	94%~14% 85%~20%		2-15	77%~15%				
MK - Electric	K1501 WHILV	[R ]	60 ~ 500 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-16	89%~5%		3-20	89%~19%		2-18	81%~17%				
MK - Electric	K4501 WHILV	[RLC]		2-10	90%~2%		2-9	90%-4%		3-10	89%~19%		2-8	90%~19%				
MK - Electric	K4500 WHILV	[RLC]		2-14	89%~2%		2-15	89%-4%		3-15	90%-20%		2-15	88%-19%				
NIKO	310-0280X	[LED]	2 ~ 100 VA	2-4	97%3%		2-4	99%~2%		2-5	97%-8%		2-4	97%7%				
PEHA	431HAN	[RL]	6 – 120W [LED] 6 – 60W	2-5	90%~3%		2-4	88%~3%		2-5	89%~10%		2-4	87%~10%				
Philips Schneider	UID8670 SBD315RC (SBD 315, SDD 315)	[RC]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	2-18 t.b.d.	93%~3% t.b.d.	t.b.d.	2-20 2-14	90%–3% 91%–6%		2-20 2-11	93%–17% 91%–5%				
Schneider	SBD315RC (SBD 315, SDD 315)  SBD315RC (ATD315)(CCTO11533)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	2-14	91%-6%		2-11	91%-5%				
Schneider	SBD200 (WDE 002299)	[ ]	4 ~ 400 VA - Turn Universal (2wire)	t.b.d.	t.b.d.	t.b.d.	2-15	97%-4%	tioid:	2-20	92%-29%		2-15	85%-23%				
Schneider	SBD315RC (SBD 315)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	2-11	92%~3%		2-14	91%6%		2-11	91%-5%				
VADSBO	ED 350	[RC]	50 ~ 350 W	2-16	92%-6%		2-13	91%-8%		2-16	93%-34%		2-13	88%-29%				
VADSBO	DRS 315	[RC]	50 ~ 315 W	8-14	95%4%	< 15	3-11	93%~6%	< 12	8-14	95%-24%	< 15	3-11	97%~21%	< 12			
VADSBO	DU 250	[RC]	20 ~ 250 W	2-11	89%-3%	< 12	2-9	85%~3%	< 10	2-11	89%–11%	< 12	2-9	89%-9%	< 10			
Varilight	HQ3W	[R]		t.b.d.	t.b.d.	t.b.d.	2-15	96%-3%		2-18	98%-14%		2-15	88%-8%				
Varilight	ICT401 M 20148	[RC]	500 W	2-18 t.b.d.	95%~1%	+ h d	2-15 2-16	93%-2% 95%-4%	< 17	2-18 2-20	94%10% 94%17%		2-15 2-18	92%-7% 88%-16%	< 4			
Vimar Vimar	20148	[RL]	40 ~ 300 W	t.b.d.	t.b.d.	t.b.d.	2-16	95%~4%	< 17 < 12	2-20 3-13	94%~17%		2-18 2-11	88%~16%	< 4			
IKEA	E0902 - Dim	[R ]	25 ~ 150 W	t.b.d.	t.b.d.	t.b.d.	2-5	95%-4%		t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.			
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## Note:

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

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- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues. #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.

#8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.  $Philips\ cannot\ be\ held\ responsible\ for\ inaccuracies\ in\ the\ compatibility\ lists\ due\ to\ technical\ changes\ in\ dimmers$ 





Recommended dimmer compatibility list for Mains Voltage Lamps

# **KEY**

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
t.b.d.	Dimmer lamp combination not tested

This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, might contain faults

								LED spot					LED capsule					
					R50 5-60 W Dimmable			PAR3OS 8.5-75 W Dimmable			PAR38 13-100 W Dimmable		G9 2.5-25 W Dimmable			R75 14-100 W Dimmable		
											(49)(93)							
					T											(A) (A)		
					NEW			NEW			NEW			NEW		NEW		
	I-	_	l	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	<b>Dimming</b> Performance	Dimming Range	Glowing
Brand Berker  INSTA	<b>Type</b> 286710	Type [RC]	20 ~ 360 W - Turn	t.b.d.	t.b.d.	t.b.d.	1-8	92%-9%		t.b.d.	t.b.d.	t.b.d.	3-20	86%-23%	0	1	89%-8%	
Berker  INSTA	283010	[R ]	60 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	1-9	95%-10%		t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	1	94%-3%	
Bticino	L4407	[ ]	60 ~ 250 W		N.A.	N.A.		N.A.	N.A.	1-8	59%~3%			N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
Busch Jaeger  ABB	2200 U - 503	[R ]	60 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	2-5	95%18%		t.b.d.	t.b.d.	t.b.d.	3-20	85%-33%		1	91%-23%	
Busch Jaeger  ABB	2247 U	[R ]	60 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	1-12	94%-3%		t.b.d.	t.b.d.	t.b.d.	3-20	83%-9%		1	93%~3%	
Busch Jaeger ABB	2250 U	[RL]	20 ~ 500 W - Turn	t.b.d.	t.b.d.	t.b.d.	1-10	98%~3%		t.b.d.	t.b.d.	t.b.d.	3-20	87%-6%		1	96%~3%	
Busch Jaeger  ABB	6513 U - 102 6523 U	[R]	40 - 420 W - Turn 2 - 100 VA-LED - Turn	t.b.d.	t.b.d.	t.b.d. t.b.d.	1-10 1-20	94%~8% 95%~3%		t.b.d. t.b.d.	t.b.d.	t.b.d.	3-20 3-20	98%-24%		1	93%-7% 88%-3%	
Busch Jaeger   ABB	6526 U	[LED]	2 ~ 100 VA-LED - Push (2wire)	1-16	95%-20%	t.b.d.	2-12	95%-9%		1-8	97%6%	t.b.d.	3-20	97%-23%	< 7	t.b.d.	t.b.d.	t.b.d.
ELKO  Schneider	SBD200LED (CCTEL10501)	[LED/RC]	4 ~ 200 W(RC) 4 ~ 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	1-9	93%12%		t.b.d.	t.b.d.	t.b.d.	3-20	96%-30%		1	89%~3%	
ELKO  Schneider	SBD315RC (315 GLE )	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1-7	92%-3%		t.b.d.	t.b.d.	t.b.d.	3-20	95%-9%		1	88%-10%	
ELKO  Schneider	SBD420RCRL (CCTEL13011)	[RLC]	315 W	t.b.d.	t.b.d.	t.b.d.	1-10	94%-4%		t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.
Eltako	EVD61NPN-UC		400 W 3-wire Push Module	1-16	97%~12%	< 17	2-9	98%4%		t.b.d.	t.b.d.	t.b.d.	3-20	99%~15%		t.b.d.	t.b.d.	t.b.d.
Feller  Schneider	40200 (SBD200LED CCTCH10601)	-	4 ~ 200 W(RC) 4 ~ 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	1-9	93%~12%		t.b.d.	t.b.d.	t.b.d.	3-20	96%-30%		1	89%-3%	
GIRA	1176-00/01 2390 00/ 100	[RLC]	50 ~ 420 W 7 ~ 100 W - Push (3wire)	1-16 t.b.d.	94%~30% t.b.d.	t.b.d.	2-10 1-12	95%–15% 95%–3%		t.b.d.	N.A. t.b.d.	N.A. t.b.d.	3-20 3-18	96%~39%	< 12	t.b.d.	t.b.d. 89%4%	t.b.d.
Hager	EVN 011	[RC]	7 = 100 W = Fusii (SWIIE)	1-12	97%~14%	< 13	2-7	97%-6%		1-5	100%~3%	t.b.d.	3-10	98%-18%	< 14	t.b.d.	t.b.d.	t.b.d.
Hager	EVN 012	[RC]	300 W	1-12	96%-15%	< 13	2-7	96%-6%		1-5	100%-3%		3-20	99%-28%	< 14	t.b.d.	t.b.d.	t.b.d.
Hager	EVN 004	[RL]		1-16	97%~15%	< 3	2-12	97%6%		1-8	100%-3%		3-20	99%-28%	< 15	t.b.d.	t.b.d.	t.b.d.
Jung	225 TDE	[RC]	20 ~ 525 W - Turn	t.b.d.	t.b.d.	T.b.d.	2-12	93%-11%		t.b.d.	t.b.d.	t.b.d.	3-20	96%-33%		1	90%-10%	
Jung	1271LEDDE	[LED]	3 ~ 100 W - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	1-12	95%~3%		t.b.d.	t.b.d.	t.b.d.	3-20	94%-3%		1	90%-3%	
Klik aan Klik uit	AWMD-250	[LED]	3 ~ 24 W	1-5	79%~31%		2-3	90%~19%		1-2	100%6%		3-10	86%~3%	< 11	t.b.d.	t.b.d.	t.b.d.
Klik aan Klik uit	ACM 300		300 W - 3-wire Push LED Dimmer	1-12	97%~12%		2-7	75%~3%		t.b.d.	t.b.d.	t.b.d.	3-20	33%~3%	< 10	t.b.d.	t.b.d.	t.b.d.
Legrand	774161 78401	[RL]	40 ~ 400 W - Turn 40 ~ 500 W	t.b.d.	t.b.d. 95%~14%	t.b.d.	1-9 2-9	97%~7% 93%~5%		t.b.d.	t.b.d. 98%~3%	t.b.d.	3-20	N.A.	N.A.	t b d	N.A. t.b.d.	N.A.
Legrand Legrand	67081	[RLC]	40 ~ 400 W - Turn	t.b.d.	t.b.d.	t.b.d.	1-7	98%-7%		t.b.d.	t.b.d.	t.b.d.	3-20	97%-3% N.A.	< 13 N.A.	t.b.d.	N.A.	t.b.d.
Legrand	67082	[RL]	40 ~ 600 W - Turn	t.b.d.	t.b.d.	t.b.d.	1-2	97%-7%		t.b.d.	t.b.d.	t.b.d.		N.A.	N.A.		N.A.	N.A.
Legrand	67083	[RLC]	3 ~ 400 W	2-16	90%-12%		2-9	92%~3%		2-6	100%~3%			N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
Legrand	67084	[RLC]	8 - 300 VA - Push LED (3wire)	t.b.d.	t.b.d.	t.b.d.	1-9	94%-5%		t.b.d.	t.b.d.	t.b.d.	3-20	97%-23%		1	93%~3%	
Legrand	67085 (078406)	[RLC]	8 - 300 VA - Push LED (3wire)	t.b.d.	t.b.d.	t.b.d.	1-7	98%-2%		t.b.d.	t.b.d.	t.b.d.	3-20	99%4%		1	98%-3%	
Legrand	L4402N	[R]	60 ~ 500 W	2-16	91%-28%			N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
Merten  Schneider	SBD200LED (MEG5134-0000)	-	4 ~ 200 W(RC) 4 ~ 400 W(RL)	t.b.d.	t.b.d.	t.b.d.	1-9	93%-12%		t.b.d.	t.b.d.	t.b.d.	3-20	96%-30%		1	89%~3%	
Merten  Schneider	SBD315RC (MEG5136-0000)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1-7	92%~3%		t.b.d.	t.b.d.	t.b.d.	3-20	95%-9%	A la el	1	88%~10%	A le al
Merten  Schneider MK - Electric	SBD420RCRL (MEG5138-0000) K1535	[ RLC ]	20 – 420 VA 65 – 450 W – Turn	t.b.d.	t.b.d.	t.b.d. t.b.d.	1-10 1-11	94%-4%		t.b.d. t.b.d.	t.b.d.	t.b.d.	t.b.d. 3-20	t.b.d.	t.b.d.	t.b.d.	t.b.d. 82%~10%	t.b.d.
MK - Electric	K1501 WHILV	[R ]	60 ~ 500 W - Turn	t.b.d.	t.b.d.	t.b.d.	1-12	92%-7%		t.b.d.	t.b.d.	t.b.d.	3-10	82%-17%		1	88%-6%	
MK - Electric	K4501 WHILV	[RLC]		1-14	88%-27%		2-5	99%-28%		1-3	98%~3%			N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
MK - Electric	K4500 WHILV	[RLC]		1-16	89%-18%		2-9	99%-28%		1-5	98%~3%			N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
NIKO	310-0280X	[LED]	2 ~ 100 VA	1-4	96%6%		t.b.d.	t.b.d.	t.b.d.	1-2	97%~3%		3-9	98%8%		t.b.d.	t.b.d.	t.b.d.
PEHA	431HAN	[RL]	6 ~ 120W [LED] 6 ~ 60W	1-5	99%7%		2-3	92%-3%			N.A.	N.A.	3-10	76%-4%		t.b.d.	t.b.d.	t.b.d.
Philips	UID8670	[LED]	2 ~ 100 VA-LED - Push (3wire)	t.b.d.	t.b.d.	t.b.d.	1-20	95%-3%		t.b.d.	t.b.d.	t.b.d.	3-20	92%~3%		1	88%~3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1-7	92%~3%		t.b.d.	t.b.d.	t.b.d.	3-20	95%-9%		1	88%~10%	t b al
Schneider Schneider	SBD315RC (ATD315)(CCT011533)  SBD200 (WDE 002299)	[RC]	315 W 4 – 400 VA - Turn Universal (2wire)	t.b.d.	t.b.d.	t.b.d. t.b.d.	1-7 1-9	92%~3% 93%~12%		t.b.d.	t.b.d.	t.b.d.	3-20 3-20	95%-9% 96%-30%		t.b.d.	t.b.d. 89%-3%	t.b.d.
Schneider	SBD315RC (SBD 315)	[RC]	315 W	t.b.d.	t.b.d.	t.b.d.	1-9	93%~12%		t.b.d.	t.b.d.	t.b.d.	3-20	95%-9%		1	89%~3%	
VADSBO	ED 350	[RC]	50 ~ 350 W	1-14	88%~27%		2-8	90%-13%		1-5	94%~3%		5-20	93%-34%		t.b.d.	t.b.d.	t.b.d.
VADSBO	DRS 315	[RC]	50 ~ 315 W	2-13	95%~19%	< 14	2-7	94%-9%		1-5	100%-3%			N.A.	N.A.	t.b.d.	t.b.d.	t.b.d.
VADSBO	DU 250	[RC]	20 ~ 250 W	1 - 10	85%-9%	< 11	2-6	82%~3%		1-5	80%-20%		3-20	92%~14%	<21	t.b.d.	t.b.d.	t.b.d.
Varilight	HQ3W	[R]		t.b.d.	t.b.d.	t.b.d.	2-9	97%6%		t.b.d.	t.b.d.	t.b.d.	3-20	85%14%		1	93%-3%	
Varilight	ICT401 M	[RC]		1-16	89%6%		2-9	93%10%		t.b.d.	t.b.d.	t.b.d.	3-20	85%-14%	< 11	t.b.d.	t.b.d.	t.b.d.
Vimar	20148	[RL]	500 W	t.b.d.	t.b.d.	t.b.d.	1-12	95%~3%		t.b.d.	t.b.d.	t.b.d.		N.A.	N.A.	1	94%4%	
Vimar	20162	[RL]	40 ~ 300 W	t.b.d.	t.b.d.	t.b.d.	1-7	92%~4%	ادر عالية	t.b.d.	t.b.d.	t.b.d.	3-20	96%~18%	<21	t.b.d.	t.b.d. 93%-9%	t.b.d.
IKEA	E0902 - Dim	[R ]	25 ~ 150 W	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	3-20	96%6%			95%-9%	

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