

Professional LED Mains Voltage range

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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab conditions and might contain faults

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)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W
Eltako	EVD6INPN-UC	400 W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300 W
Feller Schneider	40420 (SBD420)	[RLC] 420 W
GIRA	1176-00/01	[RLC] 50 - 420 W
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)
Hager	EVN 011	[RC] 300 VA
Hager	EVN 012	[RC] 300 W
Hager	EVN 004	[RL] 500 VA
Jung	225 TDE	[RC] 20 - 525 W - Turn
Jung	1271LEDDE	[LED] 3 - 100 W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer
Legrand	774161	[RL] 40 - 400 W - Turn
Legrand	78401	[RLC] 40 - 500 W
Legrand	67081	[RL] 40 - 400 W - Turn
Legrand	67082	[RL] 40 - 600 W - Turn
Legrand	67083	[RLC] 3 - 400 W
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R] 60 - 500 W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20 - 420 VA
MK - Electric	K1535	[R] 65 - 450 W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180 W
MK - Electric	K4500 WHILV	[RLC] 400 W
NIKO	310-0280X	[LED] 2 - 100 VA
PEHA	431HAN	[RL] 6 - 120 W [LED] 6 - 60 W
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100 W
RELCO	RM0545	[LED] 4 - 100 W
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC] 315 W
VADSBO	ED 350	[RC] 50 - 350 W
VADSBO	DRS 315	[RC] 50 - 315 W
VADSBO	DU 250	[RC] 20 - 250 W
Varilight	HQ3W	[R] 60 - 400 W
Varilight	ICT401 M	[RC] 20 - 400 W
Vimar	20148	[RL] 500 W
Vimar	14153	[R]
Vimar	20160	[RC]
Vimar	20162	[RL] 40 - 300 W
IKEA	E0902 - Dim	[R] 25 - 150 W
Philips Dynalite	DDLE801	(100 W per channel)
Philips Dynalite	DDTM102 Module	(460 W per channel)

CorePro LEDspot D 4-35W GU10 CRI80 9290012186			LEDspot CorePro LEDspot D 5-50W GU10 CRI80 9290012188			MASTER LEDspot VLE D 5-50W GU10 827 36D 5CT 9290019947 D 5-50W GU10 830 36D 5CT 9290023484		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-14	96% - 25%		2-15	85%-19%		1-14	94% - 24%	
1-16	95% - 24%		2-15	88%-19%		1-16	99% - 24%	
				N.A.	N.A.			
1-16	97% - 26%		2-15	89%-17%		1-16	98% - 27%	
1-20	96% - 23%		2-18	97%-6%		1-20	98% - 25%	
1-20	97% - 1%		2-20	98%-4%		1-20	99% - 1%	
1-17	96% - 26%		2-15	87%-20%		1-17	95% - 27%	
1-20	93% - 25%		2-20	93%-17%		1-20	95% - 24%	
1-8	96% - 26%		2-18	96%-18%				
1-13	96% - 12%		2-15	85%-23%		1-8	96% - 26%	
			2-11	91%-5%		1-13	94% - 11%	
			2-15	97%-13%				
			2-15	99%-14%	< 16			
1-8	96% - 26%		2-15	85%-23%		1-8	96% - 26%	
			2-15	95%-32%				
			2-18	90%-14%				
			2-11	97%-16%	< 12			
			2-11	97%-16%	< 12			
			2-18	97%-16%				
1-20	100% - 26%		2-15	87%-22%		1-20	97% - 26%	
			2-20	88%-35%				
			2-4	87%-37%				
				N.A.	N.A.			
				N.A.	N.A.			
			2-15	92%-16%	< 3			
				N.A.	N.A.			
				N.A.	N.A.			
				N.A.	N.A.			
1-16	96% - 0%		2-15	88%-15%		1-16	93% - 0%	
			2-11	99%-3%				
			3-18	86%-28%				
1-8	96% - 26%		2-15	85%-23%		1-8	96% - 26%	
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
1-17	96% - 25%		2-15	97%-13%		1-17	97% - 24%	
1-18	85% - 19%		2-15	77%-15%		1-18	84% - 19%	
1-20	90% - 17%		2-18	81%-17%		1-20	91% - 16%	
			2-8	90%-19%				
			2-15	88%-19%				
			2-4	97%-7%				
			2-4	87%-10%				
1-20	93% - 25%		2-20	93%-17%		1-20	95% - 24%	
						1-20	98% - 0%	
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
			2-15	85%-23%				
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
			2-13	88%-29%				
			3-11	97%-21%	< 12			
			2-9	89%-9%	< 10			
1-16	96% - 25%		2-15	88%-8%		1-16	95% - 20%	
			2-15	92%-7%				
			2-18	88%-16%	< 4			
			2-18	97%-9%				
			2-18	94%-12%	< 19			
			2-11	84%-11%	< 4			
			2-18	88%-9%				
			2-16	90%-3%				

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N.A.	Dimmer lamp combination not applicable
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			LEDspot		
			Dimming Performance	Dimming Range	Glowing
			MASTER LEDspot VLE DimTone 3.7-35W GU10 CRI90 9290013500 		
			MASTER LEDspot VLE DimTone 4.9-50W 36D GU10 CRI90 9290013503 		
			MASTER LEDspot VALUE D 3.7-35W GU10 36D 927 CRI90 9290013482 GU10 60D 930 CRI90 9290013483 GU10 60D 940 CRI90 9290013484 		
			Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC] 20 - 360 W - Turn	2 - 8 (max 19)	94%-8%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	2 - 8 (max 21)	87%-3%	
Bticino	L4407	[] 60 - 250 W		N.A.	N.A.
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	2 - 8 (max 21)	86%-4%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	2 - 8 (max 21)	86%-3%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	2 - 8 (max 27)	89%-3%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	2 - 8 (max 22)	86%-4%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA - LED - Turn	2 - 8 (max 27)	89%-3%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)	2 - 20	95%-6%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)		N.A.	N.A.
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W	3 - 8 (max 17)	95%-3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W		N.A.	N.A.
Eltako	EVD6INPN-UC	400 W 3-wire Push Module	2 - 20	94%-10%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)		N.A.	N.A.
Feller Schneider	40300 (SBD315)	[RLC] 300 W	3 - 8 (max 17)	95%-3%	
Feller Schneider	40420 (SBD420)	[RLC] 420 W		N.A.	N.A.
GIRA	1176-00/01	[RLC] 50 - 420 W	2 - 20	94%-11%	
GIRA	2390 00/100	[LED] 7 - 100 W - Push (3wire)	3 - 8 (max 27)	90%-3%	
Hager	EVN 011	[RC] 300 VA	2 - 16	98%-8%	
Hager	EVN 012	[RC] 300 W	2 - 16	98%-8%	
Hager	EVN 004	[RL] 500 VA	2 - 20	98%-8%	
Jung	225 TDE	[RC] 20 - 525 W - Turn	2 - 8 (max 28)	96%-8%	
Jung	127ILEDDDE	[LED] 3 - 100 W - Push (3wire)	2 - 8 (max 27)	91%-3%	
Klik aan Klik uit	AWMD-250	[LED] 3- 24 W	2 - 6	84%-11%	
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer	2 - 16	99%-3%	
Legrand	774161	[RL] 40 - 400 W - Turn		N.A.	N.A.
Legrand	78401	[RLC] 40 - 500 W	2 - 20	93%-4%	
Legrand	67081	[RL] 40 - 400 W - Turn		N.A.	N.A.
Legrand	67082	[RL] 40 - 600 W - Turn		N.A.	N.A.
Legrand	67083	[RLC] 3 - 400 W	2 - 20	89%-3%	
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 8 (max 16)	96%-4%	< 3
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 8 (max 16)	99%-3%	
Legrand	L4402N	[R] 60-500 W	3 - 20	87%-10%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)		N.A.	N.A.
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W	3 - 8 (max 17)	95%-3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20-420 VA		N.A.	N.A.
MK - Electric	K1535	[R] 65 - 450 W - Turn	2 - 8 (max 24)	52%-3%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	2 - 8 (max 27)	80%-3%	
MK - Electric	K4501 WHILV	[RLC] 180 W	2 - 12	86%-4%	
MK - Electric	K4500 WHILV	[RLC] 400 W	2 - 20	86%-5%	
NIKO	310-0280X	[LED] 2 - 100 VA	2 - 5	99%-3%	
PEHA	431HAN	[RL] 6-120 W [LED] 6 - 60 W	2 - 6	85%-3%	
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)	2 - 8 (max 27)	89%-3%	
RELCO	RPO977	[LED] 4 - 100 W	2 - 5	99%-13%	
RELCO	RM0545	[LED] 4 - 100 W	2 - 5	90%-10%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W	3 - 8 (max 17)	95%-3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W	3 - 8 (max 17)	95%-3%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)		N.A.	N.A.
Schneider	SBD315RC (SBD 315)	[RC] 315 W	3 - 8 (max 17)	95%-3%	
VADSBO	ED 350	[RC] 50 - 350 W	2 - 20	88%-10%	
VADSBO	DRS 315	[RC] 50 - 315 W	3 - 17	93%-6%	
VADSBO	DU 250	[RC] 20 - 250 W	2 - 14	84%-3%	< 15
Varilight	HQ3W	[R] 60 - 400 W	2 - 8 (max 21)	85%-3%	
Varilight	ICT401 M	[RC] 20 - 400 W	2 - 20	84%-3%	
Vimar	20148	[RL] 500 W	2 - 8 (max 27)	87%-3%	< 8
Vimar	14153	[R]	2 - 20	99%-3%	
Vimar	20160	[RC]	2 - 20	86%-5%	
Vimar	20162	[RL] 40 - 300 W	2 - 8 (max 16)	94%-4%	< 8
IKEA	E0902 - Dim	[R] 25 - 150 W	2 - 8 (max)	87%-3%	
Philips Dynalite	DDLE801	(100 W per channel)	2 - 8	90%-3%	
Philips Dynalite	DDTM102 Module	(460 W per channel)	2 - 8 (max 24)	94%-3%	

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N.A.	Dimmer lamp combination not applicable
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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)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W
Eltako	EVD6INPN-UC	400 W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300 W
Feller Schneider	40420 (SBD420)	[RLC] 420 W
GIRA	1176-00/01	[RLC] 50 - 420 W
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)
Hager	EVN 011	[RC] 300 VA
Hager	EVN 012	[RC] 300 W
Hager	EVN 004	[RL] 500 VA
Jung	225 TDE	[RC] 20 - 525 W - Turn
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED] 3- 24 W
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer
Legrand	774161	[RL] 40 - 400 W - Turn
Legrand	78401	[RLC] 40 - 500 W
Legrand	67081	[RL] 40 - 400 W - Turn
Legrand	67082	[RL] 40 - 600 W - Turn
Legrand	67083	[RLC] 3 - 400 W
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R] 60-500 W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20-420 VA
MK - Electric	K1535	[R] 65 - 450 W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180 W
MK - Electric	K4500 WHILV	[RLC] 400 W
NIKO	310-0280X	[LED] 2 - 100 VA
PEHA	431HAN	[RL] 6-120 W [LED] 6 - 60 W
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100 W
RELCO	RM0545	[LED] 4 - 100 W
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC] 315 W
VADSBO	ED 350	[RC] 50 - 350 W
VADSBO	DRS 315	[RC] 50 - 315 W
VADSBO	DU 250	[RC] 20 - 250 W
Varilight	HQ3W	[R] 60 - 400 W
Varilight	ICT401 M	[RC] 20 - 400 W
Vimar	20148	[RL] 500 W
Vimar	14153	[R]
Vimar	20160	[RC]
Vimar	20162	[RL] 40 - 300 W
IKEA	E0902 - Dim	[R] 25 - 150 W
Philips Dynalite	DDLE801	(100 W per channel)
Philips Dynalite	DDTM102 Module	(460 W per channel)

LEDspot					
CorePro LEDspot D 5-50W GU10 CRI80 36D 9290012188			MASTER LEDspot CLA D 6-50W 827 PAR20 25D 9290023380/ 830 PAR20 25D 9290023381/ 840 PAR20 25D 9290023382/ 827 PAR20 40D 9290023383/ 830 PAR20 40D 9290023384/ 840 PAR20 40D 9290023385		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
2 - 8	92%- 3%		1 - 10	91%- 12%	
2 - 8	93%- 3%		1 - 5	93%- 6%	
	N.A.	N.A.		N.A.	N.A.
2 - 8	92%- 3%		1 - 10	93%- 6%	
2 - 8	94%- 3%		1 - 14	92%- 3%	
2 - 8	94%- 3%		1 - 8	95%- 3%	
2 - 8	94%- 3%		1 - 15	92%- 12%	
2 - 8	89%- 3%		1 - 14	93%- 3%	
2 - 20	94%- 3%		1 - 17	94%- 10%	
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
3 - 8	95%- 3%		1 - 12	94%- 7%	
2 - 16	99%- 3%		1 - 13	98%- 7%	
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
3 - 8	95%- 3%		1 - 12	94%- 7%	
2 - 16	94%- 3%		1 - 14	96%- 17%	
			1 - 10	93%- 3%	
2 - 12	99%- 3%		1 - 10	98%- 8%	
2 - 12	99%- 3%		1 - 10	98%- 13%	
2 - 20	97%- 3%		1 - 17	98%- 14%	
2 - 8	91%- 3%		1 - 15	98%- 13%	
2 - 8	91%- 3%		1 - 10	92%- 3%	
2 - 5	78%- 3%		1 - 4	93%- 19%	
2 - 12	89%- 3%		1 - 10	58%- 3%	
2 - 8	94%- 3%		2 - 11	93%- 6%	
2 - 16	94%- 3%		1 - 13	94%- 7%	
3 - 8	95%- 3%		2 - 9	94%- 5%	
3 - 8	94%- 3%		2 - 15	94%- 5%	
2 - 16	81%- 3%		1 - 3	94%- 3%	
2 - 8	93%- 3%		1 - 11	93%- 8%	
2 - 8	95%- 3%		1 - 9	97%- 3%	
3 - 20	78%- 3%			N.A.	N.A.
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
3 - 8	95%- 3%		1 - 12	94%- 7%	
2 - 8	70%- 3%		1 - 13	77%- 7%	
2 - 8	87%- 3%		1 - 15	96%- 30%	
2 - 9	86%- 3%		1 - 7	92%- 5%	
2 - 16	83%- 3%		1 - 11	99%- 29%	
2 - 4	97%- 3%		1 - 3	96%- 4%	
2 - 5	81%- 3%		1 - 4	95%- 3%	
2 - 8	89%- 3%		1 - 14	93%- 3%	
2 - 4	97%- 6%		1 - 3	99%- 15%	
2 - 4	92%- 3%		1 - 3	92%- 8%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
2 - 14	88%- 4%		1 - 12	93%- 14%	
2 - 13	93%- 3%		1 - 11	95%- 10%	
2 - 10	80%- 3%	<1	1 - 14	96%- 17%	
2 - 8	93%- 3%		1 - 8	91%- 5%	
2 - 16	86%- 3%		1 - 13	94%- 5%	
3 - 8	92%- 3%	<9	1 - 14	92%- 4%	
2 - 20	94%- 3%		1 - 15	99%- 3%	
3 - 20	94%- 3%	<14	1 - 10	95%- 3%	
2 - 8	91%- 3%	<9	1 - 9	91%- 7%	
2 - 6	93%- 3%		2 - 5	94%- 9%	
2 - 8	89%- 3%				
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			LED bulb								
			MASTER LEDbulb DimTone 5.5-40W E27 CRI90 A60 FR 9290013513			MASTER LEDbulb DimTone 9-60W E27 CRI90 A60 FR 9290013514			MASTER LEDbulb DimTone 11-75W A67 E27 CRI80 FR 9290012005		
			Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
			1-3	98%-8%		1-3	94%-7%		1-3	87%-10%	
Berker INSTA	286710	[RC] 20 - 360 W - Turn	1-3	98%-7%		1-3	96%-5%		1-3	93%-10%	
Berker INSTA	283010	[R] 60 - 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Bticino	L4407	[] 60 - 250 W	1-3	97%-19%		1-3	94%-9%		1-3	93%-17%	
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	1-3	99%-3%		1-3	95%-3%		1-3	93%-3%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	1-3	97%-3%		1-3	97%-3%		1-3	93%-3%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	1-3	98%-7%		1-3	95%-6%		1-3	93%-10%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	1-3	83%-3%		1-3	89%-3%		1-3	87%-3%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA-LED - Turn	1-3	88%-10%		1-3	97%-6%		1-3	98%-10%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA-LED - Push (2wire)		N.A.	N.A.	2-3	93%-8%		1-3	90%-10%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-3	98%-3%		1-3	94%-2%		1-3	87%-3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W		N.A.	N.A.		N.A.	N.A.	1-3	93%-7%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W		N.A.	N.A.		N.A.	N.A.	1-3	97%-5%	
Eltako	EVD6INPN-UC	400W 3-wire Push Module	1-3	98%-6%		1-3	99%-3%		1-3	90%-10%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)		N.A.	N.A.	2-3	93%-8%		1-3	90%-10%	
Feller Schneider	40300 (SBD315)	[RLC] 300 W	1-3	98%-3%		1-3	94%-2%				
Feller Schneider	40420 (SBD420)	[RLC] 420 W		N.A.	N.A.		N.A.	N.A.			
GIRA	1176-00/01	[RLC] 50 - 420 W	1-3	99%-19%			N.A.	N.A.	1-3	93%-24%	
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)	1-3	97%-31%		1-3	95%-17%		1-3	90%-3%	
Hager	EVN 011	[RC] 300 VA	1-3	98%-8%		1-3	99%-7%		1-3	97%-6%	
Hager	EVN 012	[RC] 300 W	1-3	98%-12%		1-3	99%-6%		1-3	97%-6%	
Hager	EVN 004	[RL] 500 VA	1-3	99%-13%		1-3	99%-6%		1-3	97%-6%	
Jung	225 TDE	[RC] 20 - 525 W - Turn	1-3	98%-9%		1-3	96%-8%		1-3	90%-10%	
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)	1-3	97%-4%					1-3	87%-20%	
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W		N.A.	N.A.	1-3	89%-8%			N.A.	N.A.
Klik aan Klik uit	ACM 300	300W - 3-wire Push LED Dimmer	2-3	96%-8%		1-3	96%-4%			N.A.	N.A.
Legrand	774161	[RL] 40 - 400 W - Turn		N.A.	N.A.	2-3	96%-5%			N.A.	N.A.
Legrand	78401	[RLC] 40 - 500 W	1-3	98%-7%		1-3	97%-4%		1-3	94%-7%	
Legrand	67081	[RL] 40 - 400 W - Turn		N.A.	N.A.	2-3	97%-5%			N.A.	N.A.
Legrand	67082	[RL] 40 - 600 W - Turn	3	98%-5%		2-3	97%-5%			N.A.	N.A.
Legrand	67083	[RLC] 3 - 400 W		N.A.	N.A.	1-2	89%-3%			N.A.	N.A.
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)	2-3	99%-6%		1-3	98%-6%		1-3	93%-7%	
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	1-3	99%-3%		1-3	96%-3%		1-3	93%-3%	
Legrand	L4402N	[R] 60 - 500 W	2-3	97%-13%		2-3	89%-6%		1-3	86%-17%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)		N.A.	N.A.	2-3	93%-8%		1-3	90%-10%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W	1-3	98%-3%		1-3	94%-2%		1-3	87%-3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20-420 VA		N.A.	N.A.		N.A.	N.A.	1-3	93%-7%	
MK - Electric	K1535	[R] 65 - 450 W - Turn	1-3	99%-6%		1-3	84%-5%		1-3	80%-7%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	1-3	97%-6%		1-3	90%-5%		1-3	83%-7%	
MK - Electric	K4501 WHILV	[RLC] 180 W	1-3	96%-7%		1-3	90%-3%		1-3	85%-8%	
MK - Electric	K4500 WHILV	[RLC] 400 W	1-3	95%-7%		1-3	90%-3%		1-3	90%-9%	
NIKO	310-0280X	[LED] 2 - 100 VA	1-3	98%-3%		1-2	99%-3%				
PEHA	431HAN	[RL] 6-120 W [LED] 6 - 60 W	1-3	98%-21%		1-3	92%-3%		1-3	87%-3%	
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)	1-3	83%-3%		1-3	89%-3%		1-3	87%-3%	
RELCO	RP0977	[LED] 4 - 100 W	1-3	96%-4%		1-2	99%-9%				
RELCO	RM0545	[LED] 4 - 100 W	1-3	98%-8%		1-2	95%-4%				
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W	1-3	98%-3%		1-3	94%-2%		1-3	87%-3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W	1-3	98%-3%		1-3	94%-2%		1-3	87%-3%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)		N.A.	N.A.	2-3	93%-8%		1-3	90%-10%	
Schneider	SBD315RC (SBD 315)	[RC] 315 W	1-3	98%-3%		1-3	94%-2%		1-3	87%-3%	
VADSBO	ED 350	[RC] 50 - 350 W	1-3	99%-25%		1-3	94%-8%		1-3	84%-23%	
VADSBO	DRS 315	[RC] 50 - 315 W		N.A.	N.A.		N.A.	N.A.	1-3	96%-9%	
VADSBO	DU 250	[RC] 20 - 250 W	1-3	96%-6%		1-3	90%-3%		1-3	87%-3%	
Varilight	HQ3W	[R] 60 - 400 W	1-3	96%-4%		1-3	96%-3%		1-3	90%-3%	
Varilight	ICT401 M	[RC] 20 - 400 W	1-3	97%-3%		1-3	88%-2%		1-3	89%-3%	
Vimar	20148	[RL] 500 W	1-3	97%-5%	<3	1-3	96%-4%	<2	1-3	93%-7%	
Vimar	14153	[R]	2-3	98%-3%		1-3	95%-6%		1-3	98%-3%	
Vimar	20160	[RC]	2-3	95%-3%	<2	1-3	96%-3%	<2	1-3	92%-4%	
Vimar	20162	[RL] 40 - 300 W	1-3	98%-7%	<3	1-3	95%-9%	<2	1-3	90%-7%	
IKEA	E0902 - Dim	[R] 25 - 150 W	1-3	97%-7%		1-3	96%-5%				
Philips Dynalite	DDLE801	(100 W per channel)	1-3	96%-3%		1-3	93%-3%		1-3	90%-3%	
Philips Dynalite	DDTM102 Module	(460 W per channel)	1-3	98%-3%		1-3	95%-3%		1-3	90%-3%	

Professional LED Mains Voltage range

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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

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			LED bulb								
			MASTER LEDbulb DimTone 15-100W A67 E27 CR180 FR 9290011844			MASTER LEDbulb DimTone 12-75WE27 CR190 A67 FR 9290018686			MASTER LEDbulb DimTone 14-100W E27 CR190 A67 FR 9290022186		
			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	89%-9%		1-3	90%-8%		1-3	96%-9%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	1-3	91%-9%		1-3	92%-6%		1-3	96%-9%	
Bticino	L4407	[] 60 - 250 W		N.A.	N.A.						
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	1-3	91%-22%		1-3	93%-10%		1-3	97%-13%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	1-3	93%-3%		1-3	93%-3%		1-3	97%-3%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	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	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	89%-3%		1-3	92%-3%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)	1-3	98%-11%							
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-3	89%-10%		1-3	88%-9%		1-3	91%-9%	
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W	1-3	84%-3%		1-3	88%-3%		1-3	89%-3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W	1-3	91%-4%		1-3	93%-3%		1-3	92%-5%	
Eltako	EVD6INPN-UC	400 W 3-wire Push Module	1-3	97%-5%							
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-3	89%-10%		1-3	88%-9%		1-3	91%-9%	
Feller Schneider	40300 (SBD315)	[RLC] 300 W				1-3	88%-3%		1-3	89%-3%	
Feller Schneider	40420 (SBD420)	[RLC] 420 W				1-3	93%-3%		1-3	92%-5%	
GIRA	1176-00/01	[RLC] 50 - 420 W	1-3	93%-24%							
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)	1-3	87%-4%		1-3	89%-3%		1-3	87%-5%	
Hager	EVN 011	[RC] 300 VA	1-3	97%-6%							
Hager	EVN 012	[RC] 300 W	1-3	97%-6%							
Hager	EVN 004	[RL] 500 VA	1-3	97%-6%							
Jung	225 TDE	[RC] 20 - 525 W - Turn	1-3	89%-9%		1-3	93%-9%		1-3	95%-9%	
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)	1-3	89%-29%		1-3	89%-3%		1-3	90%-5%	
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W		N.A.	N.A.						
Klik aan Klik uit	ACM 300	300W - 3-wire Push LED Dimmer		N.A.	N.A.						
Legrand	774161	[RL] 40 - 400 W - Turn		N.A.	N.A.	1-3	94%-4%		1-3	86%-8%	
Legrand	78401	[RLC] 40 - 500 W	1-3	94%-7%							
Legrand	67081	[RL] 40 - 400 W - Turn		N.A.	N.A.						
Legrand	67082	[RL] 40 - 600 W - Turn		N.A.	N.A.						
Legrand	67083	[RLC] 3 - 400 W		N.A.	N.A.						
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)		N.A.	N.A.	1-3	93%-3%		1-3	90%-4%	
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	1-3	91%-3%		1-3	97%-3%		1-3	98%-3%	
Legrand	L4402N	[R] 60-500 W	1-3	86%-18%							
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-3	89%-10%		1-3	88%-9%		1-3	91%-9%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W	1-3	84%-3%		1-3	88%-3%		1-3	89%-3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20 - 420 VA	1-3	91%-4%		1-3	93%-3%		1-3	92%-5%	
MK - Electric	K1535	[R] 65 - 450 W - Turn	1-3	82%-9%		1-3	80%-6%		1-3	82%-8%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn		N.A.	N.A.	1-3	84%-3%		1-3	88%-7%	
MK - Electric	K4501 WHILV	[RLC] 180 W	1-3	85%-8%							
MK - Electric	K4500 WHILV	[RLC] 400 W	1-3	90%-9%							
NIKO	310-0280X	[LED] 2 -100 VA									
PEHA	431HAN	[RL] 6-120 W [LED] 6 - 60 W	1-3	87%-3%							
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)	1-3	87%-3%							
RELCO	RP0977	[LED] 4 - 100 W				1-3	97%-3%		1-3	94%-12%	
RELCO	RM0545	[LED] 4 - 100 W				1-3	86%-3%		1-3	84%-6%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W	1-3	84%-3%		1-3	88%-3%		1-3	89%-3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W	1-3	84%-3%		1-3	88%-3%		1-3	89%-3%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)	1-3	89%-10%		1-3	88%-9%		1-3	91%-9%	
Schneider	SBD315RC (SBD 315)	[RC] 315 W	1-3	84%-3%		1-3	88%-3%		1-3	89%-3%	
VADSBO	ED 350	[RC] 50 - 350 W	1-3	84%-23%							
VADSBO	DRS 315	[RC] 50 - 315 W	1-3	96%-9%							
VADSBO	DU 250	[RC] 20 - 250 W	1-3	87%-3%							
Varilight	HQ3W	[R] 60 - 400 W	1-3	91%-4%		1-3	93%-3%		1-3	96%-5%	
Varilight	ICT401 M	[RC] 20 - 400 W	1-3	89%-3%							
Vimar	20148	[RL] 500 W	1-3	91%-7%		1-3	92%-3%		1-3	96%-7%	<4
Vimar	14153	[R]	1-3	98%-3%							
Vimar	20160	[RC]	1-3	92%-4%							
Vimar	20162	[RL] 40 - 300 W	1-3	87%-4%		1-3	88%-3%		1-3	91%-5%	<4
IKEA	E0902 - Dim	[R] 25 - 150 W				1-3	90%-4%		1-3	94%-8%	
Philips Dynalite	DDLE801	(100 W per channel)	1-3	89%-4%		1-3	86%-3%		1-3	91%-4%	
Philips Dynalite	DDTM102 Module	(460 W per channel)	1-3	89%-3%		1-3	87%-3%		1-3	92%-3%	

Professional LED Mains Voltage range

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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

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			LED bulb			LED bulb			LED bulb		
			G200 GOLD DIM 9290018734 LED CLA-giant 6.5-40W E27 A160 GOLD DIM 9290018735 LED CLA-giant 6.5-40W E27 T65 GOLD DIM 9290018736			LEDCLA 5-30W Mushroom E27 2000K GOLD D 9290019356			LEDCLA 5-40W Diamond E27 2700K CL D 9290019357		
			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	87% 15%		1-3	99%-3%		1-3	99%-3%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	1-2	93% 7%		2-3	99%-3%		2-3	99%-3%	
Bticino	L4407	[] 60 - 250 W					N.A.	N.A.	2-3	82%-3%	
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	1-3	97% 13%		1-3	99%-7%		1-3	99%-8%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	1-3	92% 3%		1-3	99%-3%		2-3	99%-3%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	1-2	91% 12%		2-3	99%-3%		2-3	99%-3%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	1-3	92% 13%		1-3	99%-3%		1-3	99%-3%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA - LED - Turn	1-3	84% 16%		1-3	99%-3%		1-3	99%-3%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)				1-3	99%-3%		1-3	99%-3%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-3	91% 16%			N.A.	N.A.	1-3	99%-3%	
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W	1-3	91% 3%		2-3	99%-3%		2-3	99%-3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W	3	94% 17%			N.A.	N.A.		N.A.	N.A.
Eltako	EVD6INPN-UC	400 W 3-wire Push Module				1-3	98%-3%		1-3	99%-3%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)					N.A.	N.A.	1-3	99%-3%	
Feller Schneider	40300 (SBD315)	[RLC] 300 W				2-3	99%-3%		2-3	99%-3%	
Feller Schneider	40420 (SBD420)	[RLC] 420 W					N.A.	N.A.		N.A.	N.A.
GIRA	1176-00/01	[RLC] 50 - 420 W				1-3	99%-3%		1-3	99%-3%	
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)	1-3	83% 4%		1-3	99%-3%		1-3	99%-3%	
Hager	EVN 011	[RC] 300 VA				1-3	99%-3%		1-3	99%-3%	
Hager	EVN 012	[RC] 300 W				1-3	99%-3%		1-3	97%-3%	
Hager	EVN 004	[RL] 500 VA				1-3	99%-3%		1-3	99%-3%	
Jung	225 TDE	[RC] 20 - 525 W - Turn	1-3	89% 17%		1-3	99%-3%		1-3	99%-3%	
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)	1-3	83% 4%		1-3	99%-3%		1-3	99%-3%	
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W					N.A.	N.A.	1-3	99%-4%	
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer				2-3	98%-3%		2-3	99%-3%	
Legrand	774161	[RL] 40 - 400 W - Turn	3	95% 9%			N.A.	N.A.	2-3	92%-3%	
Legrand	78401	[RLC] 40 - 500 W				1-3	98%-3%		1-3	97%-3%	
Legrand	67081	[RL] 40 - 400 W - Turn									
Legrand	67082	[RL] 40 - 600 W - Turn									
Legrand	67083	[RLC] 3 - 400 W									
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)	2-3	92% 8%		1-3	98%-4%		2-3	99%-3%	
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	1-3	93% 3%		1-3	98%-3%		1-3	98%-3%	
Legrand	L4402N	[R] 60 - 500 W				2-3	98%-3%		2-3	97%-3%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)					N.A.	N.A.	1-3	99%-3%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W				2-3	99%-3%		2-3	99%-3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20 - 420 VA					N.A.	N.A.		N.A.	N.A.
MK - Electric	K1535	[R] 65 - 450 W - Turn	1	68% 12%		2-3	92%-3%		2-3	92%-3%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	1-2	84% 8%		1 or 3	99%-3%		1-3	99%-3%	
MK - Electric	K4501 WHILV	[RLC] 180 W				1-3	98%-3%		1-3	99%-3%	
MK - Electric	K4500 WHILV	[RLC] 400 W				1-3	98%-3%		1-3	98%-3%	
NIKO	310-0280X	[LED] 2 - 100 VA				1-3	98%-3%		1-3	98%-3%	
PEHA	431HAN	[RL] 6 - 120 W [LED] 6 - 60 W				1-3	97%-3%		1-3	98%-3%	
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)									
RELCO	RP0977	[LED] 4 - 100 W	1-3	91% 23%		1-3	99%-3%		1-3	99%-3%	
RELCO	RM0545	[LED] 4 - 100 W	1-3	87% 7%		1-3	99%-3%		1-3	99%-3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W				2-3	99%-3%		2-3	99%-3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W				2-3	99%-3%		2-3	99%-3%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)					N.A.	N.A.	1-3	99%-3%	
Schneider	SBD315RC (SBD 315)	[RC] 315 W				2-3	99%-3%		2-3	99%-3%	
VADSBO	ED 350	[RC] 50 - 350 W				1-3	98%-3%		1-3	97%-3%	
VADSBO	DRS 315	[RC] 50 - 315 W				3	98%-3%			N.A.	N.A.
VADSBO	DU 250	[RC] 20 - 250 W				1-3	91%-3%		1-3	91%-3%	
Varilight	HQ3W	[R] 60 - 400 W	1-3	89% 5%		2-3	98%-3%		2-3	92%-3%	
Varilight	ICT401 M	[RC] 20 - 400 W				2-3	87%-3%		1-3	93%-3%	
Vimar	20148	[RL] 500 W	1-3	94% 8%		1-3	99%-3%	< 2	2-3	99%-3%	< 2
Vimar	14153	[R]				3	98%-3%		1-3	98%-3%	
Vimar	20160	[RC]				1-3	99%-3%		1-3	99%-3%	
Vimar	20162	[RL] 40 - 300 W	1-3	93% 5%		1-3	99%-3%	< 2	1-3	99%-3%	
IKEA	E0902 - Dim	[R] 25 - 150 W	1-3	92% 5%		1-3	98%-3%		2-3	99%-3%	
Philips Dynalite	DDLE801	(100 W per channel)	1-3	89% 3%			N.A.	N.A.	2-3	85%-3%	
Philips Dynalite	DDTM102 Module	(460 W per channel)	1-3	86% 3%		1-3	86%-3%		2-3	85%-3%	

Professional LED Mains Voltage range

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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

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			Led capsule					
			CorePro LEDcapsule 2.6-25W G9 WW 230V Dim 9290023899			CorePro LEDcapsule 4-40W G9 827 D 9290023900		
			Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC] 20 - 360 W - Turn	1-20	99% - 0%			99% - 0%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	1-20	99% - 0%		4-20	98% - 0%	
Bticino	L4407	[] 60 - 250 W						
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	2-20	100% - 0%			94% - 0%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	2-20	100% - 0%			98% - 0%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	1-20	100% - 0%			100% - 0%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	1-20	99% - 0%			99% - 0%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA - LED - Turn	1-20	94% - 0%			98% - 0%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)						
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-16	99% - 0%			99% - 0%	
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W						
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W						
Eltako	EVD6INPN-UC	400 W 3-wire Push Module						
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-16	99% - 0%			99% - 0%	
Feller Schneider	40300 (SBD315)	[RLC] 300 W						
Feller Schneider	40420 (SBD420)	[RLC] 420 W						
GIRA	1176-00/01	[RLC] 50 - 420 W						
GIRA	2390 00/100	[LED] 7 - 100 W - Push (3wire)					0% - 0%	
Hager	EVN 011	[RC] 300 VA						
Hager	EVN 012	[RC] 300 W						
Hager	EVN 004	[RL] 500 VA						
Jung	225 TDE	[RC] 20 - 525 W - Turn	1-20	99% - 0%			100% - 0%	
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)					0% - 0%	
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W						
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer						
Legrand	774161	[RL] 40 - 400 W - Turn					0% - 0%	
Legrand	78401	[RLC] 40 - 500 W						
Legrand	67081	[RL] 40 - 400 W - Turn						
Legrand	67082	[RL] 40 - 600 W - Turn						
Legrand	67083	[RLC] 3 - 400 W						
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)	1-20	100% - 0%			93% - 0%	
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)					0% - 0%	
Legrand	L4402N	[R] 60 - 500 W						
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1-16	99% - 0%			99% - 0%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W						
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20 - 420 VA	1-20	99% - 0%			99% - 0%	
MK - Electric	K1535	[R] 65 - 450 W - Turn	1-20	93% - 0%		4-20	98% - 0%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	1-20	100% - 0%			100% - 0%	
MK - Electric	K4501 WHILV	[RLC] 180 W						
MK - Electric	K4500 WHILV	[RLC] 400 W						
NIKO	310-0280X	[LED] 2 - 100 VA						
PEHA	431HAN	[RL] 6 - 120W [LED] 6 - 60 W						
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)	1-20	94% - 0%			98% - 0%	
RELCO	RP0977	[LED] 4 - 100 W	1-20	100% - 0%			97% - 0%	
RELCO	RM0545	[LED] 4 - 100 W	1-20	100% - 0%			100% - 0%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W						
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W						
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)						
Schneider	SBD315RC (SBD 315)	[RC] 315 W						
VADSBO	ED 350	[RC] 50 - 350 W						
VADSBO	DRS 315	[RC] 50 - 315 W						
VADSBO	DU 250	[RC] 20 - 250 W						
Varilight	HQ3W	[R] 60 - 400 W	2-20	100% - 0%			98% - 0%	
Varilight	ICT401 M	[RC] 20 - 400 W						
Vimar	20148	[RL] 500 W						
Vimar	14153	[R]						
Vimar	20160	[RC]						
Vimar	20162	[RL] 40 - 300 W						
IKEA	E0902 - Dim	[R] 25 - 150 W						
Philips Dynalite	DDLE801	(100 W per channel)						
Philips Dynalite	DDTM102 Module	(460 W per channel)						

Professional LED Mains Voltage range

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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

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			LED linear								
			CorePro LED linear D 14-100W R7S 118mm CW 9290012438 CorePro LED linear D 14-100W R7S 118mm WW 9290012437			CorePro LED linear D 14-120W R7S 118mm WH 9290013536 CorePro LED linear D 14-120W R7S 118mm CW 9290013537			CoreProLED linear D 17.5-150W R7S 118mm WH 9290020166 CoreProLED linear D 17.5-150W R7S 118mm CW 9290020167		
			Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC] 20 - 360 W - Turn	1	89%-8%		1	94%-21%		1-3	99%-15%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	1	94%-3%		1	97%-16%		1-3	100%-6%	
Bticino	L4407	[] 60 - 250 W					N.A.	N.A.			
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	1	91%-23%		1	98%-27%		1-3	100%-8%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	1	93%-3%		1	96%-3%		1-4	100%-3%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	1	96%-3%		1	95%-15%		1-4	100%-3%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	1	93%-7%		1	97%-23%		1-3	99%-16%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA - LED - Turn	1	88%-3%		1	92%-21%		1-4	99%-3%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)				1	96%-15%				
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1	88%-10%		1	94%-21%		1-3	100%-18%	
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W	1	89%-3%		1	93%-4%		1-3	100%-5%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W	1	93%-3%			N.A.	N.A.		N.A.	N.A.
Eltako	EVD6INPN-UC	400 W 3-wire Push Module				1-3	97%-7%				
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1	88%-10%					1-3	100%-18%	
Feller Schneider	40300 (SBD315)	[RLC] 300 W							1-3	100%-5%	
Feller Schneider	40420 (SBD420)	[RLC] 420 W								N.A.	N.A.
GIRA	1176-00/01	[RLC] 50 - 420 W				1-3	93%-25%				
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)	1	89%-4%		1	92%-10%				
Hager	EVN 011	[RC] 300 VA				1-3	95%-16%				
Hager	EVN 012	[RC] 300 W				1-3	97%-17%				
Hager	EVN 004	[RL] 500 VA				1-3	99%-18%				
Jung	225 TDE	[RC] 20 - 525 W - Turn	1	90%-10%		1	94%-23%		1-4	96%-13%	
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)	1	90%-3%		1	93%-9%				
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W					84%-30%				
Klik aan Klik uit	ACM 300	300W - 3-wire Push LED Dimmer					92%-10%				
Legrand	774161	[RL] 40 - 400 W - Turn		N.A.	N.A.		N.A.	N.A.			
Legrand	78401	[RLC] 40 - 500 W				1-3	97%-11%				
Legrand	67081	[RL] 40 - 400 W - Turn		N.A.	N.A.	1	93%-30%				
Legrand	67082	[RL] 40 - 600 W - Turn		N.A.	N.A.	1	92%-11%				
Legrand	67083	[RLC] 3 - 400 W					88%-6%				
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)		N.A.	N.A.	1	96%-3%		1-4	96%-3%	
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)		N.A.	N.A.	1	99%-3%				
Legrand	L4402N	[R] 60 - 500 W				1	87%-22%				
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	1	88%-10%					1-3	100%-18%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W	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	1	82%-10%		1	81%-15%		1-3	100%-3%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	1	88%-6%		1	89%-12%		1-3	100%-4%	
MK - Electric	K4501 WHILV	[RLC] 180 W				1-3	90%-12%				
MK - Electric	K4500 WHILV	[RLC] 400 W				1-3	90%-13%				
NIKO	310-0280X	[LED] 2 - 100 VA				1	98%-3%				
PEHA	431HAN	[RL] 6 - 120 W [LED] 6 - 60 W				1-2	85%-4%				
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)	1	88%-3%							
RELCO	RP0977	[LED] 4 - 100 W				1	97%-27%		1-3	100%-3%	
RELCO	RM0545	[LED] 4 - 100 W				1	89%-10%		1-4	100%-3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W	1	89%-3%					1-3	100%-5%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W	1	89%-3%					1-3	100%-5%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)	1	88%-10%					1-3	100%-18%	
Schneider	SBD315RC (SBD 315)	[RC] 315 W	1	89%-3%							
VADSBO	ED 350	[RC] 50 - 350 W				1-3	99%-22%				
VADSBO	DRS 315	[RC] 50 - 315 W					N.A.	N.A.			
VADSBO	DU 250	[RC] 20 - 250 W				1-3	82%-5%	<2			
Varilight	HQ3W	[R] 60 - 400 W	1	93%-3%		1	95%-6%		1-3	99%-3%	
Varilight	ICT401 M	[RC] 20 - 400 W				1-3	85%-2%				
Vimar	20148	[RL] 500 W	1	94%-4%		1	95%-12%				
Vimar	14153	[R]				1-3	96%-3%				
Vimar	20160	[RC]				1-3	95%-6%	<2			
Vimar	20162	[RL] 40 - 300 W	1	90%-5%		1	94%-15%				
IKEA	E0902 - Dim	[R] 25 - 150 W	1	93%-9%		1	95%-12%				
Philips Dynalite	DDLE801	(100 W per channel)	1	88%-3%		1	97%-3%				
Philips Dynalite	DDTM102 Module	(460 W per channel)	1	91%-3%		1	99%-3%				

- #1) Dimmers are tested with the number of LED light sources mentioned in the column "Dimming performance".
A number of LED light sources outside the listed range may result in less optimal behavior. |
Although not specifically tested, some dimmers can be loaded with more light sources than specified in this document.
#1a) Most (non-LED dedicated) dimmers can be loaded with LED light sources up to 20% of dimmer specified maximum power.
Example: Dimmer 400W -> 20% = 80W, which means that e.g. up to 16 pcs 5W LED light sources can be connected.
#1b) LED dimmers can be loaded up to the specified maximum dimmer power (Wattage).
- #2) Always study the packaging of LED light sources if these can be used in combination with occupancy/motion sensors.
- #3) Glowing means: when connected to a dimmer in its off-state, a LED light source may still emit a small, yet visible amount of light.
This may e.g. occur if a low quantity of LED light sources is connected.
- #4) "Dimming range" color indications and criteria (all percentages relate to the LED light source full power):
Green cell: minimum dimming level is below 10% and maximum level at least 80%.
Yellow cell: minimum dimming level is between 10% and 20% (inclusive) and/or maximum level is below 80%.
Red cell: minimum dimming level is above 20%.
Grey cell: the dimmer - LED light source combination is not applicable.
White cell: no data available.
- #5) Various dimmer suppliers offer "active loads" to optimize dimming performance in case of light source-dimmer system issues. (e.g. Busch Jaeger Compensator 6596).
- #6) This list is based on measurements performed in a lab environment at nominal mains voltage, different mains voltages may result in a different dimming range.
- #7) Dimmer manufacturers may change the technical design of their dimmer without informing Philips / Signify.
Such changes may affect the performance when used in combination with LED light sources.
- #8) In general Philips dimmable LED light sources can be dimmed with any type of dimmer (type R, RL, RC or RLC).
- #9) Mixed loads may give unexpected dimming behavior or even result in defects, for which Philips / Signify cannot be held responsible.
- #10) LED light source are dimmable across the indicated dimming range, but may exhibit minor flickering at distinct dim settings.
- #11) The information contained here is believed to be accurate at the time it was published, but is provided "AS IS".



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