

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dyalite DDBC120 – DALI	10–300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5–100W, LED, Trailing
Hamilton	LEDIT – B100	5–100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA–LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0–200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0–200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJPI20	0–120W, LED
Varilight	JQP401W	0–120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W–150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Bulb								
MAS LEDBulb DT3.4-40W E27 927A60CL G 9290030099			MAS LEDBulb DT5.9-60W E27 927A60CL G 9290030103			MAS LEDBulb DT7.2-75W E27 927A60CL G 9290030111		
MAS LEDBulb DT3.4-40W E27 927 A60 FR G 9290030100			MAS LEDBulb DT5.9-60W E27 927 A60 FR G 9290030104			MAS LEDBulb DT7.2-75W E27 927 A60 FR G 9290030112		
MASLEDBulbDT3.4-40W B22 927A60CL G 9290030101			MAS LEDBulb DT5.9-60W B22 927A60CL G 9290030105			MAS LEDBulb DT7.2-75W E27 927 A60 FR G 9290030113		
MAS VLE LEDBulb D 3.4-40W B22 A60 927FR 9290030102			MAS VLE LEDBulb D5.9-60W B22 A60 927FR G 9290030106			MAS VLE LEDBulb D7.2-75W B22 A60 927 FR G 9290030114		
			MAS LEDBulb DT5.9-60W B22 927A60CL G 9290030107					
			MAS VLE LEDBulb DT5.9-60W B22 927 ST64CL G 9290030108					
			MAS VLE LEDBulb DT5.9-60W E27 927G93CL G 9290030109					
			MAS VLE LEDBulb DT5.9-60W B22 927 G93CL G 9290030110					
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	100% - 0%		1-12	100% - 0%		1-10	100% - 0%	
1-18	97% - 0%		1-10	98% - 0%		1-8	100% - 0%	
1-20	100% - 0%		1-13	100% - 0%		1-10	100% - 0%	
2-20	100% - 0%		1-5	97% - 0%		1-17	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-17	100% - 0%	
1-20	99% - 0%		1-17	98% - 0%		1-14	99% - 0%	
1-20	99% - 0%		1-17	99% - 0%		1-14	100% - 0%	
1-20	100% - 0%		1-17	97% - 0%		1-14	100% - 0%	
1-20	100% - 0%		1-17	97% - 0%		1-14	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-10	100% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-20	98% - 0%		1-14	99% - 0%		1-11	100% - 0%	
1-19	100% - 0%		1-11	100% - 0%		1-9	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-17	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-17	100% - 0%	
1-20	80% - 34%		1-14	99% - 0%		1-11	100% - 0%	
1-20	100% - 0%		1-15	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-10	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-20	98% - 0%		1-14	99% - 0%		1-11	100% - 0%	
1-19	100% - 0%		1-11	100% - 0%		1-9	100% - 0%	
1-6	99% - 71%		2-3	100% - 0%		1-3	99% - 0%	
1-20	62% - 0%		1-14	95% - 22%		1-12	98% - 6%	
1-20	98% - 0%		1-17	98% - 0%		1-14	100% - 0%	
1-18	97% - 0%		1-10	98% - 0%		1-8	100% - 0%	
1-3	100% - 0%		1-3	98% - 0%		1-3	99% - 0%	
1-10	100% - 0%		1-3	98% - 0%		1-3	99% - 0%	
1-18	100% - 0%		1-10	99% - 0%		1-8	99% - 0%	
1-20	N.A.	N.A.	1-17	99% - 6%		1-14	100% - 0%	
1-20	100% - 0%		1-17	96% - 0%		1-14	99% - 0%	
1-20	98% - 0%		1-17	96% - 0%		1-14	99% - 0%	
1-20	98% - 0%		1-17	98% - 0%		1-14	100% - 0%	
1-18	97% - 0%		1-10	98% - 0%		1-8	100% - 0%	
1-7	100% - 0%		1-4	99% - 0%		1-3	100% - 0%	
1-20	100% - 0%		1-14	99% - 0%		1-11	100% - 0%	
1-20	N.A.	N.A.	N.A.	N.A.	N.A.	1	100% - 0%	
1-20	98% - 0%		1-14	99% - 0%		1-11	100% - 0%	
1-19	100% - 0%		1-11	100% - 0%		1-9	100% - 0%	
1-6	99% - 71%		2-3	100% - 0%		1-3	99% - 0%	
2-20	100% - 0%		1-15	100% - 0%		1-13	99% - 0%	
1-20	99% - 0%		1-17	100% - 0%		1-14	100% - 0%	
1-11	100% - 0%		1-6	99% - 0%		1-5	100% - 0%	
2-20	100% - 0%		1-14	99% - 0%		1-11	99% - 0%	
1-20	98% - 0%		1-17	100% - 0%		1-14	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-10	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-18	100% - 0%		1-10	100% - 0%		2-8	100% - 0%	
1-20	99% - 0%		1-17	98% - 0%		1-14	99% - 0%	
1-20	99% - 3%		1-17	99% - 5%		1-14	100% - 2%	
1-20	100% - 0%		1-17	100% - 0%		1-14	100% - 0%	
1-19	100% - 0%		1-11	100% - 0%		1-9	100% - 0%	
1-20	98% - 0%		1-14	99% - 0%		1-11	100% - 0%	
1-6	99% - 71%		2-3	100% - 0%		1-3	99% - 0%	
1-10	100% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-18	99% - 0%		1-10	99% - 0%		1-8	87% - 0%	
1-10	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	100% - 0%		1-3	97% - 0%		1-3	98% - 0%	
1-20	100% - 0%		1-14	93% - 0%		1-11	100% - 0%	
1-10	100% - 0%		1-3	76% - 0%		1-3	61% - 0%	
1-10	100% - 0%		1-3	68% - 0%		1-3	74% - 0%	
1-20	99% - 0%		1-17	97% - 0%		1-14	100% - 0%	
1-20	99% - 2%		1-20	97% - 3%		1-20	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	99% - 0%	
1-10	94% - 0%		1-8	99% - 0%		1-6	99% - 0%	
1-10	N.A.	N.A.	1-8	98% - 0%	2	1-10	99% - 0%	2
1-10	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-3	99% - 0%		1-3	98% - 0%	

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Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
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Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dyalite DDBC120 – DALI	10-300W, LED, Trailing
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Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RLC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5-100W, LED, Trailing
Hamilton	LEDIT – B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6 – 60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Bulb								
MAS LEDBulbDT10.5-100W E27 927A60CLG 9290030115 MAS LEDBulb DT10.5-100W E27 927A60 FR G 9290030117			MAS LEDBulbDT10.5-100W B22 927A60CLG 9290030116 MAS VLE LEDBulbD10.5-100W B22 A60 927FRG UK 9290030118			LED classic 50W G120 E27 WW CM D RF 9290024129		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-7	97% - 16%		1-7	98% - 19%		1-10	100% - 0%	
1-6	97% - 7%		1-6	99% - 12%		1-10	100% - 0%	
1-7	97% - 4%		1-7	98% - 6%		1-10	100% - 0%	
1-11	97% - 0%		1-11	99% - 0%		2-10	100% - 0%	
1-11	98% - 15%			N.A.	N.A.	1-10	100% - 0%	
1-10	98% - 3%		1-10	97% - 0%		1-10	100% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-10	97% - 10%		1-10	99% - 0%		1-10	100% - 0%	
1-10	97% - 3%		1-10	97% - 3%		1-10	100% - 0%	
1-15	97% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-20	97% - 0%		1-20	97% - 0%		1-10	100% - 0%	
1-3	99% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-8	96% - 13%			N.A.	N.A.	1-10	100% - 0%	
1-6	97% - 4%		1-6	97% - 8%		1-10	100% - 0%	
1-11	97% - 12%		1-11	100% - 15%		1-10	100% - 0%	
1-11	97% - 12%		1-11	100% - 15%		1-10	100% - 0%	
1-8	98% - 0%		1-8	100% - 0%		1-10	100% - 0%	
2-10	97% - 8%		1-10	100% - 0%		1-10	100% - 0%	
1-19	97% - 0%		1-19	100% - 1%		1-10	100% - 0%	
1-3	100% - 4%		1-3	100% - 4%		1-3	100% - 0%	
1-8	96% - 13%			N.A.	N.A.	1-10	100% - 0%	
1-6	97% - 4%		1-6	97% - 8%		1-10	100% - 0%	
1-2	97% - 12%		1-2	99% - 12%		1-3	100% - 0%	
1-8	97% - 18%		1-8	100% - 30%		1-10	100% - 0%	
1-10	98% - 0%		1-10	98% - 13%		1-10	100% - 0%	
1-6	97% - 7%		1-6	99% - 12%		1-10	100% - 0%	
1-3	98% - 0%		1-3	98% - 0%		1-3	98% - 0%	
2-3	97% - 5%		2-3	97% - 5%		1-3	98% - 0%	
1-6	97% - 7%		1-6	99% - 7%		1-10	100% - 0%	
1-10	98% - 23%		1-10	100% - 25%		1-10	100% - 0%	
1-10	100% - 9%		1-10	100% - 9%		1-10	100% - 0%	
1-8	99% - 0%		1-8	100% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-10	98% - 13%		1-10	100% - 0%	
1-6	97% - 7%		1-6	99% - 12%		1-10	100% - 0%	
1-2	96% - 21%		1-2	98% - 22%		1-4	100% - 0%	
1-8	98% - 4%		1-8	99% - 6%		1-10	100% - 0%	
2-10	99% - 37%		1-10	96% - 16%		1-10	100% - 0%	
1-8	96% - 13%			N.A.	N.A.	1-10	100% - 0%	
1-6	97% - 4%		1-6	97% - 8%		1-10	100% - 0%	
1-2	97% - 12%		1-2	99% - 12%		1-3	100% - 0%	
1-9	98% - 11%		1-9	98% - 3%		2-10	100% - 0%	
1-10	98% - 12%		1-10	97% - 5%		1-10	100% - 0%	
1-3	98% - 7%		1-3	96% - 6%		1-6	100% - 0%	
1-8	98% - 15%		1-8	97% - 5%		1-10	100% - 0%	
1-10	97% - 2%		1-10	97% - 1%		1-10	100% - 0%	
1-19	96% - 1%		1-19	97% - 0%		1-10	100% - 0%	
1-19	96% - 1%		1-19	97% - 0%		1-10	100% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-6	97% - 0%		1-6	96% - 0%		1-10	100% - 0%	
1-10	98% - 3%		1-10	97% - 0%		1-10	100% - 0%	
	N.A.	N.A.	1-10	99% - 24%		1-10	100% - 2%	
1	96% - 8%		1-10	98% - 8%		1-10	100% - 0%	
1-6	97% - 4%		1-6	97% - 8%		1-10	100% - 0%	
1-8	96% - 13%			N.A.	N.A.	1-10	100% - 0%	
1-2	97% - 12%		1-2	99% - 12%		1-3	100% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-6	83% - 1%		1-6	87% - 0%		1-10	100% - 0%	
1-3	99% - 0%		1-3	99% - 0%		1-3	100% - 0%	
1-3	99% - 0%		1-3	99% - 0%		1-3	97% - 0%	
1-8	99% - 14%		1-8	100% - 3%		1-10	100% - 0%	
1-3	56% - 0%		1-3	56% - 0%		1-3	76% - 0%	
1-3	64% - 0%		1-3	64% - 0%		1-3	68% - 0%	
1-10	97% - 18%		1-10	100% - 5%		1-10	100% - 0%	
1-19	99% - 22%		1-19	100% - 22%		1-10	100% - 0%	
1-19	98% - 2%		1-19	100% - 1%		1-10	100% - 0%	
1-19	97% - 2%		1-19	98% - 2%		1-10	100% - 0%	
1-4	99% - 0%		1-4	98% - 0%		1-8	96% - 0%	
2-3	99% - 0%		1-9	99% - 0%		3-10	97% - 0%	
1-9	99% - 0%		1-9	99% - 0%		2-10	98% - 0%	
1-3	93% - 0%		1-3	93% - 0%		1-3	99% - 0%	

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dyalite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WHI04302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Bulb								
MAS VLE LEDBulb D11.2-100W E27 927 A60 CL G 9290030583 MAS VLE LEDBulb D11.2-100W E27 927 A60 FR G 9290030585			MAS VLE LEDBulb D5.9-60W E27 927 A60 CL G 9290030575 MAS VLE LEDBulb D5.9-60W E27 927 A60 FR G 9290030577 MAS VLE LEDBulb D5.9-60W E27 927 ST64 CL G 9290030594 MAS VLE LEDBulb D5.9-60W E27 927 G120 CL G 9290030593 MASVLELEDBulb D5.9-60W E27 927A60FR G UK 9290030577			MAS VLE LEDBulb D7.8-75W E27 927 A60 CL G 9290030579 MAS VLE LEDBulb D7.8-75W E27 927 A60 FR G 9290030581		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
2-6	99% - 13%		1-10	100% - 0%		1-9	99% - 0%	
1-5	99% - 0%		1-10	97% - 0%		1-8	89% - 0%	
2-7	99% - 1%		1-10	100% - 0%		1-10	100% - 0%	
1-11	99% - 0%		2-10	99% - 0%		2-10	100% - 0%	
2-11	99% - 13%		1-10	99% - 0%		1-10	98% - 0%	
1-9	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-9	99% - 0%		1-10	96% - 0%		1-10	94% - 0%	
1-9	98% - 2%		1-10	100% - 0%		1-10	100% - 0%	
1-9	99% - 8%		2-10	98% - 0%		2-10	73% - 0%	
1-20	99% - 0%		1-10	99% - 0%		1-10	95% - 0%	
1-20	100% - 0%		2-10	96% - 0%		2-10	71% - 0%	
1-3	99% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-7	99% - 21%		1-10	99% - 0%		1-10	99% - 0%	
1-6	99% - 1%		1-10	99% - 0%		1-8	100% - 0%	
1-11	100% - 10%		1-10	100% - 0%		1-10	99% - 0%	
1-11	100% - 10%		1-10	100% - 0%		1-10	99% - 0%	
1-7	100% - 1%		1-10	99% - 0%		1-10	90% - 0%	
1-18	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-18	99% - 1%		1-10	96% - 0%		1-10	100% - 0%	
1-3	100% - 4%		1-3	100% - 0%		1-3	100% - 0%	
1-7	99% - 21%		1-10	99% - 0%		1-10	99% - 0%	
1-6	99% - 1%		1-10	100% - 0%		1-8	100% - 0%	
1-2	98% - 9%		1-3	100% - 0%		1-3	100% - 0%	
1-8	99% - 18%		1-10	100% - 0%		1-10	70% - 0%	
1-9	98% - 5%		1-10	98% - 0%		1-10	83% - 0%	
1-5	100% - 7%		1-10	97% - 0%		1-8	89% - 0%	
1-3	98% - 0%		1-3	98% - 0%		1-3	99% - 0%	
2-3	97% - 5%		1-3	98% - 0%		1-3	99% - 0%	
1-5	99% - 0%		1-10	100% - 0%		1-8	100% - 0%	
1-9	100% - 4%		1-10	100% - 0%		1-10	100% - 0%	
1-9	100% - 2%		1-10	97% - 0%		1-10	100% - 0%	
1-9	94% - 3%		1-10	97% - 0%		1-10	80% - 0%	
1-9	98% - 5%		1-10	98% - 0%		1-10	83% - 0%	
1-5	100% - 7%		1-10	97% - 0%		1-8	89% - 0%	
1-2	100% - 0%		1-4	100% - 0%		1-3	100% - 0%	
1-7	98% - 1%		1-10	100% - 0%		1-10	100% - 0%	
2-9	100% - 0%			N.A.	N.A.	1-10	98% - 0%	
1-7	99% - 1%		1-10	99% - 0%		1-10	99% - 0%	
1-6	99% - 15W		1-10	99% - 0%		1-8	100% - 0%	
1-2	98% - 9%		1-3	100% - 0%		1-3	99% - 0%	
2-8	97% - 1%		1-10	99% - 0%		2-10	98% - 0%	
1-9	100% - 10%		1-10	99% - 0%		1-10	98% - 0%	
1-3	98% - 6W		1-6	98% - 0%		1-5	99% - 0%	
1-7	100% - 15%		1-10	99% - 0%		1-10	98% - 0%	
1-9	98% - 0%		1-10	99% - 0%		1-10	93% - 0%	
1-18	100% - 70%		1-10	99% - 0%		1-10	100% - 0%	
1-18	100% - 70%		1-10	99% - 0%		1-10	100% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-5	99% - 0%			N.A.	N.A.	1-8	100% - 0%	
1-9	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-9	100% - 0%		1-10	99% - 2%		1-10	95% - 2%	
1-9	98% - 6%		1-10	100% - 0%		1-10	100% - 0%	
1-6	99% - 1%		1-10	99% - 0%		1-8	100% - 0%	
1-7	99% - 1%		1-10	99% - 0%		1-10	99% - 0%	
1-2	98% - 9%		1-3	100% - 0%		1-3	99% - 0%	
1-3	100% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-5	99% - 0%		1-10	100% - 0%		1-8	94% - 0%	
1-3	99% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-3	99% - 0%		1-3	97% - 0%		1-3	98% - 0%	
1-7	99% - 15%		2-10	100% - 0%		1-10	99% - 0%	
1-3	56% - 0%		1-3	76% - 0%		1-3	61% - 0%	
1-3	64% - 0%		1-3	68% - 0%		1-3	74% - 0%	
1-9	100% - 1%		1-10	98% - 0%		1-10	98% - 0%	
1-18	99% - 1%		1-10	96% - 0%		1-10	99% - 0%	
1-18	99% - 0%		1-10	95% - 0%		1-10	83% - 0%	
1-18	100% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-4	97% - 0%		1-8	100% - 0%		1-6	98% - 0%	
1-8	99% - 0%	2-4	3-10	100% - 0%		1, 3-10	98% - 0%	
1-8	99% - 0%		1-10	100% - 0%		2-10	98% - 0%	
1-3	93% - 0%		1-3	99% - 0%		1-3	98% - 0%	
1-3	99% - 87%		1-3	100% - 73%		1-3	99% - 67%	
1-3	100% - 3%		1-3	99% - 0%		1-3	98% - 0%	



# 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

LED Bulb								
LED giant 20W E27 A160 1800K smoky D 9290029825 LED giant 20W E27 G200 1800K smoky D 9290029826 LED giant 20W E27 T65 1800K smoky D 9290029827 LED double layers 20W E27 smoky DIM 9290029823			LED classic-giant 40W E27 A160 GOLD DIM 9290029835 LED classic-giant 40W E27 G200 GOLD DIM 9290029836 LED classic-giant 40W E27 T65 GOLD DIM 9290029837 LED giant crystal 26W E27 smoky DIM 9290029824			LEDClassic 40W Diamond E27 2700K CL D 9290019357		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	100% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-9	100% - 0%		1-9	100% - 0%		1-10	96% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
2-10	100% - 0%		2-10	100% - 0%		2-10	98% - 0%	
2-10	98% - 0%		2-10	98% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	96% - 0%	
	N.A.	N.A.		N.A.	N.A.	1-10	98% - 0%	
1-10	98% - 0%		1-10	98% - 0%		2-10	67% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	98% - 0%		2-10	97% - 0%	
1	100% - 0%		1-3	99% - 0%		1-3	97% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-9	98% - 0%		1-9	98% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	97% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-10	94% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-10	94% - 0%	
1	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-9	98% - 0%		1-9	98% - 0%		1-10	98% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-4	99% - 0%	
	N.A.	N.A.		N.A.	N.A.	2-10	97% - 1%	
1-10	99% - 0%		1-10	99% - 0%		1-10	96% - 0%	
1-9	100% - 0%		1-9	100% - 0%		1-10	96% - 0%	
1-3	83% - 0%		1-3	100% - 0%		1-3	94% - 0%	
	N.A.	N.A.	1-3	100% - 0%			N.A.	N.A.
1-9	79% - 0%		1-9	79% - 0%		1-10	97% - 0%	
	N.A.	N.A.		N.A.	N.A.	1-10	97% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	99% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	96% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	96% - 0%	
1-9	100% - 0%		1-9	100% - 0%		1-10	96% - 0%	
1-3	99% - 0%		1-3	99% - 0%		1-5	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
	N.A.	N.A.		N.A.	N.A.	1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-9	98% - 0%		1-9	98% - 0%		1-10	98% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-4	99% - 0%	
2-10	99% - 0%		2-10	99% - 0%		2-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		2-10	97% - 0%	
1-5	99% - 0%		1-5	99% - 0%		1-7	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	97% - 0%	
1-10	79% - 0%		1-10	79% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	71% - 0%		1-10	71% - 0%		1-10	97% - 2%	
1-10	100% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-9	98% - 0%		1-9	98% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-4	99% - 0%	
1	100% - 0%		1-3	100% - 0%		1-3	97% - 0%	
2-9	82% - 0%		2-9	82% - 0%		1-10	97% - 0%	
1	99% - 0%		1-3	99% - 0%		1-3	95% - 0%	
1	99% - 0%		1-3	100% - 0%		1-3	97% - 0%	
2-10	99% - 0%		2-10	99% - 0%		1-10	98% - 0%	
1	76% - 0%		1-3	61% - 0%		1-3	65% - 0%	
1	87% - 0%		1-3	72% - 0%		1-3	75% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	97% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	97% - 5%	
1-10	98% - 0%		1-10	98% - 0%		1-10	97% - 0%	
1-3	96% - 0%		1-3	96% - 0%		1-3	98% - 0%	
1-3	96% - 0%		1-3	96% - 0%			N.A.	N.A.
3	99% - 0%		3	99% - 0%			N.A.	N.A.
1	99% - 0%		1-3	99% - 0%		1-3	99% - 0%	

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dyalite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dyalite DDBC120 – DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RLC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5-100W, LED, Trailing
Hamilton	LEDIT – B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	171IDE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6 – 60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Bulb								
MAS VLE LEDBulbD11.2-100W E27 940A60CLG 9290035269 MAS VLE LEDBulbD11.2-100W E27 940A60FRG 9290035273			MAS VLE LEDCandleD3.4-40W E14 B35 927 CL G 9290030595 MAS VLE LEDCandleD3.4-40W E14 B35 927 FR G 9290030597 MAS VLE LEDLusterD3.4-40W E14 P45 927 CL G 9290030600 MAS VLE LEDLusterD3.4-40W E14 P45 927 FR G 9290030602 MAS VLE LEDLusterD3.4-40W E27 P45 927 CL G 9290030604 MAS VLE LEDLusterD3.4-40W E27 P45 927 FR G 9290030606			MAS VLE LEDBulbD3.4-40W E27 927 A60 CL G 9290030705 MAS VLE LEDBulbD3.4-40W E27 927 A60 FR G 9290030707		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
2-6	99% - 13%		1-10	99% - 0%		1-10	99% - 0%	
1-5	99% - 0%		1-10	97% - 0%		1-10	99% - 0%	
2-7	99% - 1%		1-10	100% - 0%		1-10	100% - 0%	
1-11	99% - 0%		2-10	100% - 0%		1-10	99% - 0%	
2-11	99% - 13%		1-10	99% - 0%		1-10	99% - 0%	
1-9	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-9	99% - 0%		1-10	97% - 0%		1-10	98% - 0%	
1-9	98% - 2%		1-10	99% - 0%		1-10	100% - 0%	
1-9	99% - 8%		1-10	99% - 0%		1-10	100% - 0%	
1-20	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-20	100% - 0%		1-10	100% - 0%		1-10	78% - 0%	
1-3	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
	N.A.	N.A.	1-10	97% - 0%		1-10	100% - 0%	
1-6	99% - 1%		1-10	99% - 0%		1-10	98% - 0%	
1-11	100% - 10%		1-10	99% - 0%		1-10	98% - 0%	
1-11	100% - 10%		1-10	99% - 0%		1-10	98% - 0%	
1-7	100% - 1%		1-10	100% - 0%		1-10	99% - 0%	
1-18	99% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-18	99% - 1%		1-10	96% - 0%		1-10	98% - 0%	
1-3	100% - 4%		1-10	100% - 0%		1-10	100% - 0%	
	N.A.	N.A.	1-10	97% - 0%		1-10	100% - 0%	
1-6	99% - 1%		1-10	99% - 0%		1-10	100% - 0%	
1-2	98% - 9%		1-6	100% - 0%		1-6	100% - 0%	
1-8	99% - 18%		1-10	98% - 0%		1-10	100% - 4%	
1-9	98% - 5%		1-10	98% - 0%		1-10	98% - 0%	
1-5	100% - 7%		1-10	97% - 0%		1-10	99% - 0%	
1-3	98% - 0%		1-3	100% - 0%		1-3	100% - 0%	
2-3	97% - 5%		1-10	100% - 0%		1-10	100% - 0%	
1-5	99% - 0%		1-10	98% - 0%		1-10	100% - 0%	
1-9	100% - 4%			N.A.	N.A.		N.A.	N.A.
1-9	100% - 2%		1-10	98% - 0%		1-10	100% - 0%	
1-9	94% - 3%		1-10	97% - 0%		1-10	97% - 0%	
1-9	98% - 5%		1-10	98% - 0%		1-10	98% - 0%	
1-5	100% - 7%		1-10	97% - 0%		1-10	99% - 0%	
1-2	100% - 0%		1-7	100% - 0%		1-7	100% - 0%	
1-7	98% - 1%		1-10	99% - 0%		1-10	100% - 0%	
2-9	100% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-7	99% - 1%		1-10	99% - 0%		1-10	100% - 0%	
1-6	99% - 15%		1-10	99% - 0%		1-10	100% - 0%	
1-2	98% - 9%		1-6	100% - 0%		1-6	100% - 0%	
2-8	97% - 1%		2-10	99% - 0%		2-10	100% - 0%	
1-9	100% - 10%		1-10	99% - 0%		2-10	100% - 0%	
1-3	98% - 6%		1-10	100% - 0%		1-10	100% - 0%	
1-7	100% - 15%		1-10	99% - 0%		2-10	99% - 0%	
1-9	98% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-18	100% - 70%		1-10	99% - 0%		1-10	100% - 18%	
1-18	100% - 70%		1-10	99% - 0%		1-10	99% - 0%	
1-3	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-5	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-9	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-9	100% - 0%		1-10	98% - 2%		1-10	98% - 1%	
1-9	98% - 6%		1-10	100% - 0%		1-10	100% - 0%	
1-6	99% - 1%		1-10	99% - 0%		1-10	100% - 0%	
1-7	99% - 1%		1-10	99% - 0%		1-10	100% - 0%	
1-2	98% - 9%		1-6	100% - 0%		1-6	100% - 0%	
1-3	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-5	99% - 0%		1-10	98% - 0%		1-10	98% - 0%	
1-3	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-3	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-7	99% - 15%		2-10	100% - 0%		2-10	100% - 0%	
1-3	56% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-3	64% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-9	100% - 1%		1-10	98% - 0%		1-10	100% - 0%	
1-18	99% - 1%		1-10	98% - 0%		1-10	100% - 0%	
1-18	99% - 0%		1-10	98% - 0%		1-10	100% - 0%	
1-18	100% - 0%		1-10	98% - 0%		1-10	100% - 0%	
1-4	97% - 0%		1-10	98% - 0%			N.A.	N.A.
1, 5-8	99% - 0%		5-10	98% - 0%		6-10	93% - 0%	
1-8	99% - 0%		1-10	98% - 0%		6-11	97% - 0%	
1-3	93% - 0%		1-10	99% - 0%		1-10	99% - 0%	
			1-10	99% - 71%		1-10	99% - 71%	
			1-10	99% - 0%		1-10	99% - 0%	

# Professional LED Mains Voltage range

Recommended dimmer compatibility list for Mains Voltage lamps



**KEY**

X - Y	
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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dyalite DDBC120 – DALI	10–300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RLC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5–100W, LED, Trailing
Hamilton	LEDIT – B100	5–100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA–LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0–200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0–200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0–120W, LED
Varilight	JQP401W	0–120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn– Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn– Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W–150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Bulb								
MAS VLE LEDBulbD3.4W–40W E27 940 A60CL G 9290035266 MAS VLE LEDBulbD3.4W–40W E27 940 A60FR G 9290035270			MAS VLE LEDBulbD5.9W–60W E27 940 A60CL G 9290035267 MAS VLE LEDBulbD5.9W–60W E27 940 A60FR G 9290035271			MAS VLE LEDBulbD7.8W–75W E27 940 A60CL G 9290035268 MAS VLE LEDBulbD7.8W–75W E27 940 A60FR G 9290035272		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	99% - 0%		1-10	100% - 0%		1-9	99% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-8	89% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
2-10	100% - 0%		2-10	99% - 0%		2-10	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	97% - 0%		1-10	96% - 0%		1-10	94% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	99% - 0%		2-10	98% - 0%		2-10	73% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	95% - 0%	
1-10	100% - 0%		2-10	96% - 0%		2-10	71% - 0%	
1-10	100% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-10	97% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-8	100% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	90% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-10	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	97% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-8	100% - 0%	
1-6	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%			N.A.	N.A.	1-10	70% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	83% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-8	89% - 0%	
1-3	100% - 0%		1-3	98% - 0%		1-3	99% - 0%	
1-10	100% - 0%		1-3	98% - 0%		1-3	99% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-8	100% - 0%	
	N.A.	N.A.		N.A.	N.A.	1-10	100% - 0%	
1-10	98% - 0%		1-10	97% - 0%		1-10	100% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-10	80% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	83% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-8	89% - 0%	
1-7	100% - 0%		1-4	100% - 0%		1-3	100% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	99% - 0%			N.A.	N.A.	1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-8	100% - 0%	
1-6	100% - 0%		1-3	100% - 0%		1-3	99% - 0%	
2-10	99% - 0%		1-10	99% - 0%		2-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	100% - 0%		1-6	98% - 0%		1-5	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	93% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-10	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	99% - 0%			N.A.	N.A.	1-8	100% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	98% - 2%		1-10	99% - 2%		1-10	95% - 2%	
1-10	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-8	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-6	100% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-10	100% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-8	94% - 0%	
1-10	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	100% - 0%		1-3	97% - 0%		1-3	98% - 0%	
2-10	100% - 0%		2-10	100% - 0%		1-10	99% - 0%	
1-10	100% - 0%		1-3	76% - 0%		1-3	61% - 0%	
1-10	100% - 0%		1-3	68% - 0%		1-3	74% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	96% - 0%		1-10	99% - 0%	
1-10	98% - 0%		1-10	95% - 0%		1-10	83% - 0%	
1-10	98% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-8	100% - 0%		1-6	98% - 0%	
5-10	98% - 0%		3-10	100% - 0%		1, 3-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		2-10	98% - 0%	
1-10	99% - 0%		1-3	99% - 0%		1-3	98% - 0%	



# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dynamite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3- 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WHI04302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Bulb								
LEDClassic 40W Mushroom E27 1800K GOLD D 9290029840			MAS VLE LEDBulbD7.2-50W E27 A60 927 CM G 9290024128 LED classic CM 50W A60 E27 WW CL D SRT4 9290024128			LED diamond_giant 35W E27 CL DIM 9290020946		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-10	96% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
2-10	98% - 0%		2-10	100% - 0%		2-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-10	96% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
2-10	67% - 0%		1-10	100% - 0%		2-10	67% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
2-10	97% - 0%		1-10	100% - 0%		2-10	97% - 0%	
1-3	98% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	94% - 0%		1-10	100% - 0%		1-10	94% - 0%	
1-10	94% - 0%		1-10	100% - 0%		1-10	94% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-4	99% - 0%		1-3	100% - 0%		1-4	99% - 0%	
2-10	97% - 1%		1-10	100% - 0%		2-10	97% - 1%	
1-10	96% - 0%		1-10	100% - 0%		1-10	96% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-10	96% - 0%	
1-3	94% - 0%		1-3	100% - 0%		1-3	100% - 0%	
	N.A.	N.A.	1-3	100% - 0%			N.A.	N.A.
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-10	96% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-10	96% - 0%	
1-5	99% - 0%		1-4	100% - 0%		1-5	99% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-4	99% - 0%		1-3	100% - 0%		1-4	99% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	97% - 2%		1-10	100% - 2%		1-10	97% - 2%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-3	63% - 0%		1-3	71% - 0%		1-3	65% - 0%	
1-3	76% - 0%		1-3	99% - 0%		1-3	73% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	97% - 5%		1-10	100% - 0%		1-10	97% - 5%	
1-10	97% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-3	98% - 0%		1-8	96% - 0%		1-3	98% - 0%	
	N.A.	N.A.	3-10	97% - 0%			N.A.	N.A.
	N.A.	N.A.	2-10	98% - 0%			N.A.	N.A.
1-3	98% - 0%		1-3	100% - 0%		1-3	100% - 0%	
			1-3	99% - 67%				
			1-3	98% - 0%				

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal +Dynamite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Bulb					
MAS LEDBulb D 4-60W E27 827 A60 CL G UE 9290036915 MAS LEDBulb D 4-60W E27 827 A60 FR G UE 9290036916 MAS LEDBulb D 4-60W E27 830 A60 CL G UE 9290036917 MAS LEDBulb D 4-60W E27 830 A60 FR G UE 9290036918			MAS LEDBulb D 4-60W E27 827 A60 CL G UE 9290038001 MAS LEDBulb D 4-60W E27 827 A60 FR G UE 9290038002 MAS LEDBulb D 4-60W E27 830 A60 CL G UE 9290038003 MAS LEDBulb D 4-60W E27 830 A60 FR G UE 9290038004		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-3	97% - 15%		1-10	99% - 11%	
1-3	92% - 0%		1-10	99% - 2%	
1-3	95% - 0%		1-10	98% - 0%	
1-3	89% - 0%		1-10	97% - 0%	
1-3	98% - 30%		1-10	99% - 13%	
1-3	91% - 0%		1-10	98% - 0%	
1-3	100% - 0%		1-10	99% - 0%	
1-3	99% - 0%		1-10	99% - 0%	
1-3	99% - 0%		1-10	99% - 0%	
1-3	96% - 0%		1-10	99% - 0%	
1-3	96% - 0%		1-10	99% - 0%	
1-3	95% - 0%				
1-3	96% - 4%		1-10	99% - 2%	
1-3	98% - 0%		1-10	99% - 0%	
1-3	94% - 3%		1-10	99% - 9%	
1-3	96% - 0%		1-10	99% - 9%	
1-3	96% - 0%		1-10	99% - 0%	
1-3	96% - 0%		1-10	98% - 0%	
1-3	96% - 0%		1-10	99% - 0%	
1-3	99% - 0%				
1-3	96% - 4%		1-10	99% - 2%	
1-3	98% - 0%		1-10	99% - 0%	
1-3	94% - 67%		1-5	99% - 0%	
1-3	96% - 12%		1-10	100% - 19%	
1-3	93% - 0%		1-10	99% - 0%	
1-3	92% - 0%		1-10	99% - 2%	
1-3	94% - 0%		1-10	97% - 0%	
1-3	94% - 0%		1-10	97% - 0%	
1-3	93% - 0%		1-10	99% - 0%	
1-3	95% - 0%		1-10	100% - 0%	
1-3	95% - 0%		1-10	99% - 0%	
1-3	93% - 0%		1-10	99% - 0%	
1-3	92% - 0%		1-10	99% - 2%	
1-3	85% - 0%		1-5	99% - 0%	
1-3	95% - 0%		1-10	99% - 0%	
	N.A.	N.A.	2-10	100% - 0%	
1-3	96% - 4%		1-10	99% - 2%	
1-3	98% - 0%		1-10	99% - 0%	
1-3	94% - 67%		1-5	99% - 0%	
1-3	69% - 0%		1-10	92% - 0%	
1-3	88% - 0%		1-10	99% - 0%	
1-3	88% - 0%		1-8	98% - 0%	
1-3	88% - 0%		1-10	100% - 12%	
1-3	99% - 0%		1-10	99% - 0%	
1-3	90% - 0%		1-10	99% - 0%	
1-3	90% - 0%		1-10	99% - 0%	
1-3	100% - 0%		1-10	99% - 0%	
1-3	86% - 0%		1-10	99% - 0%	
1-3	91% - 0%		1-10	98% - 0%	
	N.A.	N.A.		N.A.	N.A.
1-3	96% - 0%		1-10	99% - 0%	
1-3	98% - 0%		1-10	99% - 0%	
1-3	96% - 4%		1-10	99% - 2%	
1-3	94% - 67%		1-5	99% - 0%	
1-3	99% - 0%		1-10	99% - 0%	
1-3	98% - 0%		1-10	99% - 0%	
1-3	96% - 0%		1-10	100% - 0%	
1-3	91% - 0%		1-10	99% - 0%	
1-3	67% - 0%		1-10	100% - 0%	
1-3	63% - 0%				
1-3	95% - 0%		1-10	98% - 0%	
1-3	96% - 0%		1-10	99% - 0%	
1-3	97% - 0%		1-10	99% - 0%	
1-3	97% - 0%		1-10	99% - 0%	
1-3	98% - 0%		1-10	99% - 0%	
1-3	97% - 0%		1-10	99% - 0%	
1-3	97% - 0%		1-10	99% - 0%	
1-3	90% - 0%		1-10	98% - 0%	
1-3	100% - 0%				
1-3	100% - 0%				







# Professional LED Mains Voltage range

## Recommended dimmer compatibility list for Mains Voltage lamps



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Brand	Type	Load
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Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dynamalite DDBC120 – DALI	10–300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5–100W, LED, Trailing
Hamilton	LEDIT – B100	5–100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamalite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA–LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0–200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0–200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJPI20	0–120W, LED
Varilight	JQP401W	0–120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynamalite	DDL801	(100W per channel)
Philips Dynamalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynamalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W–150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Bulb								
MAS LEDbulb DT 8-60W E27 A60 CL UK 9290024902			MAS LEDlustre DT 5.5-40W E14 P48 CL 9290024914 MAS LEDcandle DT 5.5-40W B15 B38 CL UK 9290024909 MAS LEDcandle DT 5.5-40W E14 B38 CL UK 9290024910 MAS LEDcandle DT 5.5-40W B22 B38 CL UK 9290024911 MAS LEDcandle DT 5.5-40W E27 B38 CL UK 9290024912			CorePro LEDbulb DIM 8-60W A60 E27 5CCT 9290037852		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-9	99% - 4%		1-10	99% - 9%		2-5	99% - 1%	
1-8	98% - 3%		1-10	98% - 3%		1-5	94% - 3%	
1-9	98% - 1%		1-10	100% - 0%		1-5	99% - 0%	
1-10	99% - 1%		1-20	100% - 0%		1-5	94% - 0%	
1-15	98% - 10%		2-20	100% - 7%		2-5	95% - 6%	
1-10	99% - 1%		1-15	99% - 0%		1-5	98% - 0%	
1-10	97% - 1%		1-15	98% - 0%		1-5	95% - 3%	
1-10	100% - 1%		1-15	100% - 1%		1-5	94% - 0%	
1-10	99% - 1%		1-15	100% - 1%		1-5	94% - 0%	
1-20	59% - 1%		1-20	99% - 0%		1-5	94% - 0%	
1-20	98% - 1%		1-20	100% - 0%		1-5	94% - 0%	
1-20	99% - 1%		1-20	100% - 0%		1-5	83% - 0%	
1-10	100% - 6%		1-15	98% - 10%		1-5	94% - 6%	
1-8	98% - 1%		1-10	100% - 2%		1-5	94% - 0%	
1-15	97% - 5%		1-20	100% - 7%		1-5	95% - 5%	
1-15	97% - 5%		1-20	100% - 7%		1-5	95% - 5%	
1-10	100% - 1%		1-15	98% - 0%		1-5	98% - 0%	
1-20	99% - 1%		1-20	95% - 4%		1-2	98% - 0%	
1-20	99% - 1%		1-20	96% - 3%		1-5	98% - 1%	
1-20	99% - 1%					1-5	97% - 0%	
1-10	100% - 6%		1-15	98% - 10%		1-5	94% - 6%	
1-8	98% - 1%		1-10	100% - 2%		1-5	94% - 0%	
1-3	98% - 4%		1-4	100% - 6%		1-2	94% - 1%	
1-10	97% - 8%		1-15	98% - 15%		1-5	97% - 8%	
1-10	98% - 3%		1-15	100% - 3%		1-5	95% - 1%	
1-8	98% - 3%		1-10	98% - 3%		1-5	94% - 3%	
1-10	100% - 1%		1-15	96% - 0%		1-5	98% - 0%	
1-10	99% - 1%		1-15	99% - 0%		1-5	98% - 0%	
1-8	99% - 2%		1-10	100% - 2%		1-5	95% - 9%	
1-10	99% - 2%		1-15	100% - 2%		1-5	95% - 0%	
1-10	98% - 5%		1-15	100% - 8%		1-5	95% - 1%	
1-10	99% - 1%		1-15	98% - 0%		1-5	95% - 0%	
1-10	98% - 3%		1-15	100% - 3%		1-5	95% - 1%	
1-8	98% - 3%		1-10	98% - 3%		1-5	94% - 3%	
1-3	94% - 1%		1-4	86% - 0%		1-5	86% - 7%	
1-10	99% - 2%		1-15	98% - 0%		1-5	97% - 0%	
1-10	98% - 6%		1-15	95% - 9%		1-5	98% - 37%	
1-10	100% - 6%		1-15	98% - 10%		1-5	94% - 63%	
1-8	98% - 1%		1-10	100% - 2%		1-5	94% - 0%	
1-3	98% - 4%		1-4	100% - 6%		1-5	94% - 1%	
1-10	93% - 3%		1-15	92% - 4%		2-5	94% - 0%	
1-10	97% - 2%		1-15	95% - 2%		1-5	94% - 11%	
1-5	97% - 2%		1-7	96% - 2%		1-5	98% - 24%	
1-10	98% - 2%		1-15	96% - 2%		1-5	95% - 12%	
1-10	97% - 1%		1-15	100% - 0%		1-5	94% - 5%	
1-20	97% - 1%		1-20	99% - 5%		1-5	97% - 0%	
1-20	97% - 1%		1-20	99% - 5%		1-5	97% - 0%	
1-20	99% - 1%		1-20	99% - 0%		1-5	97% - 0%	
1-8	96% - 1%		1-10	94% - 0%		1-5	93% - 3%	
1-10	98% - 1%		1-15	99% - 0%		1-5	95% - 3%	
1-10	99% - 1%		1-15	99% - 0%		1-5	94% - 14%	
1-10	98% - 2%		1-15	96% - 2%		1-5	75% - 24%	
1-8	98% - 1%		1-10	100% - 2%		1-5	94% - 0%	
1-10	100% - 6%		1-15	98% - 10%		1-5	94% - 6%	
1-3	98% - 4%		1-4	100% - 6%		1-5	94% - 1%	
	N.A.	N.A.		N.A.	N.A.	1-5	82% - 0%	
1-8	97% - 1%		1-10	98% - 0%		1-5	98% - 9%	
1-20	99% - 1%		1-20	100% - 0%		1-5	98% - 0%	
1-20	99% - 1%		1-20	99% - 0%		1-5	96% - 0%	
1-10	98% - 2%		1-15	99% - 3%		1-5	97% - 0%	
1-15	47% - 1%		1-20	51% - 0%		1-5	56% - 15%	
1-15	47% - 1%		1-20	49% - 0%		1-5	98% - 1%	
1-10	99% - 3%		1-15	98% - 3%		1-5	98% - 14%	
1-20	97% - 1%		1-20	99% - 0%		1-5	98% - 13%	
1-20	97% - 1%		1-20	100% - 0%		1-5	99% - 0%	
1-20	97% - 1%		1-20	100% - 0%		1-5	99% - 0%	
1-10	99% - 1%		1-15	98% - 0%		1-5	98% - 0%	
1-10	98% - 1%		1-10	100% - 0%		1-5	98% - 0%	
1-10	98% - 1%		1-10	100% - 0%		1-5	98% - 0%	
1-15	99% - 1%		1-20	94% - 0%		1-5	90% - 0%	



# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +DYNALITE DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711IDE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynalite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Lamp								
MAS VLE LEDBulbD3.4-40W E27 940 A60CL G 9290035266 MAS VLE LEDBulbD3.4-40W E27 940 A60FR G 9290035270			MAS VLE LEDBulbD5.9-60W E27 940 A60CL G 9290035267 MAS VLE LEDBulbD5.9-60W E27 940 A60FR G 9290035271			MAS VLE LEDBulbD7.8-75W E27 940 A60CL G 9290035268 MAS VLE LEDBulbD7.8-75W E27 940 A60FR G 9290035272		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	99% - 0%		1-10	100% - 0%		1-9	99% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-8	89% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
2-10	100% - 0%		2-10	99% - 0%		2-10	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	97% - 0%		1-10	96% - 0%		1-10	94% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	99% - 0%		2-10	98% - 0%		2-10	73% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	95% - 0%	
1-10	99% - 0%		2-10	96% - 0%		2-10	71% - 0%	
1-10	97% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-8	100% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	90% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-10	97% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-8	100% - 0%	
1-6	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%		1-10	0% - 0%		1-10	70% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	83% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-8	89% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-8	100% - 0%	
1-10	0% - 0%		1-10	0% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-10	97% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-10	97% - 0%		1-10	80% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	83% - 0%	
1-7	100% - 0%		1-4	100% - 0%		1-3	100% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-8	100% - 0%	
1-10	99% - 0%		1-10	0% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-8	100% - 0%	
1-6	100% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		2-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	100% - 0%		1-6	98% - 0%		1-5	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	93% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-10	99% - 0%		1-10	0% - 0%		1-8	100% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-10	98% - 2%		1-10	99% - 2%		1-10	95% - 2%	
1-10	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-8	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-6	100% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-8	94% - 0%	
2-10	100% - 0%		2-10	100% - 0%		1-10	99% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	96% - 0%		1-10	99% - 0%	
1-10	98% - 0%		1-10	95% - 0%		1-10	83% - 0%	
1-10	98% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-8	100% - 0%		1-6	98% - 0%	
5-10	98% - 0%		3-10	100% - 0%		1, 3-10	98% - 0%	
1-10	98% - 0%		1-10	100% - 0%		2-10	98% - 0%	

# 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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Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 – 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eitako	EVD61NPN – UC	400W 3 – wire Push Module
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eitako	DL – PD – 300W – RLC (33000009) Universal +Dyalite DDBC120 – DALI	10–300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5–100W, LED, Trailing
Hamilton	LEDIT – B100	5–100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6 – 60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0–200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0–200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R ] 60 – 400W
Varilight	MJP120	0–120W, LED
Varilight	JQP401W	0–120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W–150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Lamp		
MAS VLE LEDBulbD11.2-100W E27 940A60CLG 9290035269		
MAS VLE LEDBulbD11.2-100W E27 940A60FRG 9290035273		
		
Dimming Performance	Dimming Range	Glowing
2-6	99% - 13%	
1-5	99% - 0%	
2-7	99% - 1%	
1-11	99% - 0%	
2-11	99% - 13%	
1-9	100% - 0%	
1-9	99% - 0%	
1-9	98% - 2%	
1-9	99% - 8%	
1-20	99% - 0%	
1-20	100% - 0%	
1-7	99% - 21%	
1-6	99% - 1%	
1-11	100% - 10%	
1-11	100% - 10%	
1-7	100% - 1%	
1-18	99% - 0%	
1-18	99% - 1%	
1-7	99% - 21%	
1-6	99% - 1%	
1-2	98% - 9%	
1-8	99% - 18%	
1-9	98% - 5%	
1-5	100% - 7%	
1-5	99% - 0%	
1-9	100% - 4%	
1-9	100% - 2%	
1-9	94% - 3%	
1-9	98% - 5%	
1-5	100% - 7%	
1-2	100% - 0%	
1-7	99% - 0%	
1-9	100% - 10%	
1-3	98% - 6%	
1-7	100% - 15%	
1-9	98% - 0%	
1-18	100% - 70%	
1-18	100% - 70%	
1-5	99% - 0%	
1-9	100% - 0%	
1-9	0% - 0%	
1-9	98% - 6%	
1-6	99% - 1%	
1-7	99% - 1%	
1-2	98% - 9%	
1-5	99% - 0%	
1-7	99% - 15%	
1-9	100% - 1%	
1-18	99% - 1%	
1-18	99% - 0%	
1-4	97% - 0%	
1, 5-8	99% - 0%	
1-8	99% - 0%	

# 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
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N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

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Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dynamlite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamlite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynamlite	DDLE801	(100W per channel)
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Lamp								
MAS LEDBulb DT3.4-40W E27 CRI95A60CL G 9290037985 MAS LEDBulbDT3.4-40W E27 CRI95 A60 FR G 9290037989 MAS LEDBulbDT3.4-40WB22 CRI95A60CL G UK 9290037993			MAS LEDBulbDT5.9-60W E27 CRI95A60CL G UK 9290037986 MAS LEDBulbDT5.9-60W E27 CRI95A60CL G 9290037986 MAS LEDBulb DT5.9-60W E27 CRI95 A60 FR G 9290037990 MAS LEDBulbDT5.9-60WB22 CRI95A60CL G UK 9290037994			MAS LEDBulb DT7.2-75W E27 CRI95A60CL G 9290037987 MAS LEDBulb DT7.2-75W E27 CRI95 A60 FR G 9290037991		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	99% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-15	98% - 0%		1-10	98% - 0%		1-8	96% - 0%	
1-20	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
2-20	99% - 0%		2-20	100% - 0%		1-15	15% - 0%	
1-20	99% - 0%		1-20	98% - 0%		1-15	99% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-10	98% - 0%	
1-20	98% - 0%		1-15	99% - 0%		1-10	97% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-10	99% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-10	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-15	99% - 0%		1-10	98% - 0%		1-8	99% - 0%	
1-20	98% - 0%		1-20	99% - 0%		1-15	98% - 0%	
1-20	98% - 0%		1-20	99% - 0%		1-15	98% - 0%	
1-20	98% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-20	99% - 0%		1-10	98% - 0%		1-8	99% - 0%	
1-5	99% - 69%		1-3	99% - 71%		1-3	99% - 68%	
1-20	98% - 0%		1-10	98% - 0%		1-10	99% - 0%	
1-20	98% - 0%		1-15	98% - 0%		1-10	99% - 0%	
1-15	98% - 0%		1-10	98% - 0%		1-8	96% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-10	99% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-10	99% - 0%	
1-15	100% - 0%		1-10	98% - 0%		1-8	99% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-10	99% - 0%	
1-20	99% - 0%		1-15	0% - 0%		1-10	0% - 0%	
1-20	97% - 0%		1-15	98% - 0%		1-10	99% - 0%	
1-20	98% - 0%		1-15	98% - 0%		1-10	99% - 0%	
1-15	98% - 0%		1-10	98% - 0%		1-8	96% - 0%	
1-5	99% - 0%		1-3	98% - 0%		1-3	98% - 0%	
1-20	99% - 0%		1-10	98% - 0%		1-10	100% - 0%	
1	98% - 0%		1	96% - 0%		1-10	97% - 0%	
1-20	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-15	99% - 0%		1-10	98% - 0%		1-8	99% - 0%	
1-5	99% - 69%		1-3	99% - 71%		1-3	99% - 67%	
2-20	99% - 0%		2-15	99% - 0%		2-10	99% - 0%	
1-20	99% - 0%		1-15	98% - 0%		1-10	99% - 0%	
1-10	97% - 0%		1-5	98% - 0%		1-5	99% - 0%	
1-20	99% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-20	99% - 0%		1-15	98% - 0%		1-10	98% - 0%	
1-20	99% - 0%		1-20	98% - 0%		1-20	98% - 0%	
1-20	98% - 0%		1-20	98% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-15	98% - 0%		1-10	99% - 0%		1-8	99% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-10	98% - 0%	
1-20	45% - 0%		1-15	0% - 0%		1-10	58% - 0%	
1-20	100% - 0%		1-15	98% - 0%		1-10	100% - 0%	
1-15	99% - 0%		1-10	98% - 0%		1-8	99% - 0%	
1-20	99% - 0%		1-10	99% - 0%		1-8	98% - 0%	
1-5	99% - 69%		1-3	99% - 71%		1-3	99% - 67%	
1-20	99% - 0%		1-20	99% - 0%		1-15	98% - 0%	
1-20	99% - 0%		1-20	98% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-20	98% - 0%		1-20	99% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-10	98% - 0%		1-10	99% - 0%	
1-20	37% - 0%		1-20	25% - 0%		1-15	27% - 0%	
1-20	99% - 0%		1-20	98% - 0%		1-15	98% - 0%	
1-20	98% - 0%		1-15	98% - 0%		1-10	98% - 0%	
1-20	99% - 71%		1-15	100% - 73%		1-10	99% - 67%	
1-20	99% - 0%		1-20	99% - 0%		1-20	98% - 0%	



# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal +Dynamite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Lamp		
MAS LEDBulbDT10.5-100W E27 CRI95A60CLG 9290037988 MAS LEDBulb DT10.5-100W E27 CRI95A60FR G 9290037992		
Dimming Performance	Dimming Range	Glowing
2-5	100% - 10%	
1-5	100% - 5%	
1-5	99% - 0%	
2-10	100% - 0%	
2-10	100% - 10%	
1-10	99% - 0%	
1-20	99% - 0%	
1-10	99% - 0%	
1-10	99% - 0%	
1-20	99% - 0%	
1-20	99% - 0%	
1-15	98% - 0%	
1-8	100% - 10%	
1-5	100% - 2%	
1-10	98% - 7%	
1-10	98% - 7%	
1-8	100% - 0%	
1-15	100% - 7%	
1-15	100% - 7%	
1-20	99% - 0%	
1-8	100% - 10%	
1-5	100% - 2%	
1-2	98% - 66%	
1-8	99% - 7%	
1-10	100% - 4%	
1-5	100% - 5%	
1-10	97% - 0%	
1-10	97% - 0%	
1-5	100% - 4%	
1-10	100% - 4%	
1-5	100% - 5%	
1-2	97% - 17%	
1-8	99% - 1%	
1-10	100% - 31%	
1-8	100% - 10%	
1-5	100% - 2%	
1-2	98% - 66%	
2-8	100% - 4%	
1-10	100% - 10%	
1-3	99% - 4%	
1-8	99% - 10%	
1-10	100% - 0%	
1-15	98% - 0%	
1-15	98% - 0%	
1-15	99% - 0%	
1-5	95% - 3%	
1-10	99% - 0%	
1-10	70% - 0%	
1	99% - 3%	
1-5	100% - 2%	
1-8	100% - 10%	
1-2	98% - 66%	
1-15	98% - 0%	
1-20	100% - 0%	
1-15	98% - 0%	
1-20	100% - 0%	
1-8	99% - 15%	
1-10	36% - 0%	
1-10	96% - 0%	
1-10	99% - 13%	
1-15	100% - 16%	
1-20	99% - 2%	
1-20	99% - 2%	
1-10	100% - 0%	
1-10	100% - 0%	
1-10	100% - 0%	
1-10	95% - 0%	
1-8	99% - 87%	
1-20	100% - 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

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

LED Spot								
MAS LED spot VLE D 4.9-50W GU10 930 36D 9290013489			MAS LED spot VLE DT 4.9-50W GU10 927 36D 9290013503			MAS LED spot VLE D 6.2-80W GU10 927 36D 9290020595		

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Ettako	EVD61NPN - UC	400W 3 - wire Push Module
Ettako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Ettako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Ettako	DL - PD - 300W - RLC (33000009) Universal +DynaLite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3- 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynalite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-15	97% - 7%		1-15	97% - 7%		1-10	90% - 0%	
1-10	96% - 5%		1-10	96% - 5%		1-10	87% - 0%	
1-15	96% - 0%		1-15	96% - 0%			N.A.	N.A.
1-20	98% - 0%	2	1-20	98% - 0%	2	1-10	92% - 0%	
1-20	98% - 7%		1-20	98% - 7%		1-10	92% - 0%	
1-20	96% - 1%		1-20	96% - 1%		1-10	92% - 0%	
1-20	97% - 9%		1-20	97% - 9%		1-16	99%-0%	
1-20	95% - 0%		1-20	95% - 0%		1-10	93% - 0%	
1-20	93% - 0%		1-20	93% - 0%		1-10	87% - 0%	
1-20	96% - 0%		1-20	96% - 0%		1-10	91% - 1%	
1-20	95% - 0%		1-20	95% - 0%		1-10	89% - 0%	
	N.A.	N.A.	1-15	65% - 4%		1-20	92% - 0%	
1-15	92% - 5%		1-15	92% - 5%		1-11	87% - 0%	
1-10	95% - 0%		1-10	95% - 0%		1-10	87% - 1%	
1-20	95% - 9%		1-20	95% - 9%		1-10	90% - 0%	
1-20	95% - 9%		1-20	95% - 9%		1-10	90% - 0%	
1-15	98% - 0%		1-15	98% - 0%		1-10	90% - 0%	
1-8	97% - 0%		1-8	97% - 0%		1-10	91% - 0%	
1-20	96% - 0%		1-20	96% - 0%		1-10	92% - 0%	
1-15	91% - 0%		1-15	94% - 0%		1-20	99% - 0%	
1-15	92% - 5%		1-15	92% - 5%		1-11	87% - 0%	
1-10	95% - 0%		1-10	95% - 0%		1-10	87% - 1%	
1-3	95% - 9%		1-3	95% - 9%			N.A.	N.A.
1-15	96% - 18%		1-15	96% - 18%		1-10	95% - 10%	
1-20	97% - 2%		1-20	97% - 2%		1-10	91% - 0%	
1-15	96% - 8%		1-15	86% - 2%		1-20	99% - 0%	
	N.A.	N.A.		N.A.	N.A.	1-20	87% - 0%	
	N.A.	N.A.		N.A.	N.A.	8-16	85% - 0%	
1-10	98% - 2%		1-10	98% - 2%		1-10	87% - 1%	
1-20	96% - 10%		1-20	96% - 10%		1-10	91% - 0%	
1-20	95% - 6%		1-20	95% - 6%		1-10	91% - 0%	
1-20	96% - 1%		1-20	96% - 1%		1-10	93% - 0%	
1-20	97% - 2%		1-20	97% - 2%		1-10	91% - 0%	
1-10	96% - 5%		1-10	96% - 5%		1-10	87% - 0%	
1-5	95% - 0%		1-5	95% - 0%		1-10	85% - 3%	
1-15	98% - 0%		1-15	98% - 0%		1-10	8% - 0%	
1-20	95% - 24%		1-20	95% - 24%		1-10	82% - 11%	
1-15	92% - 5%		1-15	92% - 5%		1-11	87% - 0%	
1-10	95% - 0%		1-10	95% - 0%		1-10	87% - 1%	
1-3	95% - 9%		1-3	95% - 9%			N.A.	N.A.
1-15	96% - 13%		1-15	96% - 13%		1-10	86% - 0%	
1-20	94% - 6%		1-20	94% - 6%		1-10	87% - 1%	
1-9	98% - 6%		1-9	98% - 6%		1-3	80%-0%	
1-15	94% - 7%		1-15	94% - 7%		1-9	81% - 0%	
1-20	95% - 0%		1-20	95% - 0%		1-10	88% - 2%	
1-20	98% - 7%		1-20	98% - 7%		1-10	90% - 2%	
1-20	98% - 7%		1-20	98% - 7%		1-10	90% - 2%	
1-8	93% - 0%		1-8	95% - 0%		1-20	94% - 0%	
1-10	94% - 10%		1-10	94% - 10%			N.A.	N.A.
1-20	96% - 1%		1-20	96% - 1%		1-10	92% - 0%	
1-20	96% - 17%		1-20	96% - 17%		1-20	95% - 0%	
1-20	96% - 2%		1-20	96% - 2%		1-10	85% - 0%	
1-10	95% - 0%		1-10	95% - 0%		1-10	87% - 1%	
1-15	92% - 5%		1-15	92% - 5%		1-11	87% - 0%	
1-3	95% - 9%		1-3	95% - 9%			N.A.	N.A.
	N.A.	N.A.	1-15	65% - 4%		1-20	92% - 0%	
1-10	95% - 18%		1-10	95% - 18%		1-10	85% - 0%	
1-8	93% - 0%		1-8	91% - 0%		1-20	99% - 0%	
1-8	94% - 1%		1-8	91% - 2%		1-20	95% - 0%	
2-15	96% - 12%		2-15	96% - 12%		1-10	89% - 0%	
2-20	72% - 34%		1-20	15% - 6%		1-20	83% - 0%	
2-15	40% - 3%		1-15	6% - 1%		1-20	88% - 0%	
1-20	96% - 4%		1-20	96% - 4%		1-10	95% - 0%	
1-20	98% - 18%		1-20	98% - 18%		1-10	86% - 0%	
1-20	96% - 16%		1-20	96% - 16%		1-10	87% - 1%	
1-20	95% - 16%		1-20	95% - 16%		1-10	85% - 1%	
1-10	95% - 0%		1-10	95% - 0%		1-7	87% - 0%	
2-19	99% - 0%		2-19	99% - 0%		6-13	88% - 0%	
1-19	98% - 0%		1-19	98% - 0%		4-13	90% - 0%	
1-5	91% - 0%		1-5	81% - 0%		1-20	85% - 0%	
1-15	99% - 12%							
1-15	97% - 10%							



# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal +Dynamlite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamlite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJPI20	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynamlite	DDL801	(100W per channel)
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Spot								
MAS LED spot VLE D 3.7-35W GU10 927 36D 9290029794 MAS LED spot VLE D 3.7-35W GU10 927 60D 9290029798 MAS LED spot VLE D 3.7-35W GU10 930 60D 9290029799			MAS LED spot VLE DT 3.7-35W GU10 927 36D 9290029797			MAS LED spot VLE D 4.8-50W GU10 927 36D 9290029801		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-15	98% - 12%		1-15	98% - 12%		1-15	97% - 7%	
1-16	99% - 7%		1-16	99% - 7%		1-10	96% - 5%	
1-15	98% - 0%		1-15	98% - 0%		1-15	96% - 0%	
1.3-20	99% - 0%		1.3-20	99% - 0%		1-20	98% - 0%	2
1-20	98% - 13%		1-20	98% - 13%		1-20	98% - 7%	
1-20	98% - 3%		1-20	98% - 3%		1-20	96% - 1%	
1-20	98% - 17%		1-20	98% - 17%		1-20	97% - 9%	
1-20	98% - 0%		1-20	98% - 0%		1-20	95% - 0%	
2-20	98% - 1%		2-20	98% - 1%		1-20	93% - 0%	
1-20	98% - 0%		1-20	98% - 0%		1-20	96% - 0%	
2-20	99% - 0%		2-20	99% - 0%		1-20	95% - 0%	
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
1-20	97% - 9%		1-20	97% - 9%		1-15	92% - 5%	
2-15	98% - 0%		2-15	98% - 0%		1-10	95% - 0%	
1-20	98% - 15%		1-20	98% - 15%		1-20	95% - 9%	
1-20	98% - 15%		1-20	98% - 15%		1-20	95% - 9%	
1-20	98% - 0%		1-20	98% - 0%		1-15	98% - 0%	
1-20	77% - 0%		1-20	77% - 0%		1-8	97% - 0%	
1-20	98% - 0%		1-20	98% - 0%		1-20	96% - 0%	
1-20	97% - 0%		1-20	98% - 0%		1-20	98% - 0%	
1-20	97% - 9%		1-20	97% - 9%		1-15	92% - 5%	
2-15	98% - 0%		2-15	98% - 0%		1-10	95% - 0%	
1-5	98% - 15%		1-5	98% - 15%		1-3	95% - 9%	
1-20	98% - 28%		1-20	98% - 28%		1-15	96% - 18%	
1-20	99% - 5%		1-20	99% - 5%		1-20	97% - 2%	
1-20	97% - 2%			N.A.	N.A.	1-20	95% - 1%	
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
1-15	99% - 4%		1-15	99% - 4%		1-10	98% - 2%	
1-20	99% - 17%		1-20	99% - 17%		1-20	96% - 10%	
1-20	98% - 10%		1-20	98% - 10%		1-20	95% - 6%	
1-20	98% - 3%		1-20	98% - 3%		1-20	96% - 1%	
1-20	99% - 5%		1-20	99% - 5%		1-20	97% - 2%	
1-16	99% - 7%		1-16	99% - 7%		1-10	96% - 5%	
1-5	99% - 0%		1-5	99% - 0%		1-5	95% - 0%	
1-20	97% - 1%		1-20	97% - 1%		1-15	98% - 0%	
2-20	98% - 38%		2-20	98% - 38%		1-20	95% - 24%	
1-20	97% - 9%		1-20	97% - 9%		1-15	92% - 5%	
2-15	98% - 0%		2-15	98% - 0%		1-10	95% - 0%	
1-5	98% - 15%		1-5	98% - 15%		1-3	95% - 9%	
1-20	98% - 22%		1-20	98% - 22%		1-15	96% - 13%	
1-20	97% - 9%		1-20	97% - 9%		1-20	94% - 6%	
1-12	99% - 13%		1-12	99% - 13%		1-9	98% - 6%	
1-20	97% - 10%		1-20	97% - 10%		1-15	94% - 7%	
1-20	97% - 0%		1-20	97% - 0%		1-20	95% - 0%	
1-20	97% - 15%		1-20	97% - 15%		1-20	98% - 7%	
1-20	97% - 15%		1-20	97% - 15%		1-20	98% - 7%	
1-10	97% - 0%		1-10	99% - 0%		1-8	98% - 0%	
1-15	98% - 19%		1-15	98% - 19%		1-10	94% - 10%	
1-20	98% - 3%		1-20	98% - 3%		1-20	96% - 1%	
1-20	98% - 27%		1-20	98% - 27%		1-20	96% - 17%	
1-20	97% - 7%		1-20	97% - 7%		1-20	96% - 2%	
2-15	98% - 0%		2-15	98% - 0%		1-10	95% - 0%	
1-20	97% - 9%		1-20	97% - 9%		1-15	92% - 5%	
1-5	98% - 15%		1-5	98% - 15%		1-3	95% - 9%	
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
1-15	97% - 29%		1-15	97% - 29%		1-10	95% - 18%	
1-10	95% - 0%		1-10	94% - 0%		1-8	96% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-8	98% - 0%	
2-20	97% - 26%		2-20	97% - 26%		2-15	96% - 12%	
1-20	88% - 37%		1-20	99% - 48%		1-20	78% - 31%	
1-20	46% - 0%		1-20	60% - 3%		1-20	34% - 2%	
2-20	98% - 13%		2-20	98% - 13%		1-20	96% - 4%	
1-20	97% - 35%		1-20	97% - 35%		1-20	98% - 18%	
1-20	97% - 33%		1-20	97% - 33%		1-20	96% - 16%	
1-20	97% - 33%		1-20	97% - 33%		1-20	95% - 16%	
1-12	98% - 0%		1-12	98% - 0%		1-10	95% - 0%	
4-20	98% - 0%		4-20	98% - 0%		2-19	99% - 0%	
4-20	98% - 0%		4-20	98% - 0%		1-19	98% - 0%	
1-8	54% - 0%		1-8	98% - 0%		1-5	94% - 0%	
1-15	98% - 11%							
1-15	98% - 7%							

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dynamlite DDBC120 – DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RLC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5-100W, LED, Trailing
Hamilton	LEDIT – B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamlite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6 – 60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynamlite	DDLE801	(100W per channel)
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Spot								
MAS LED spot VLE D 3.7-35W GU10 930 36D 9290013483 MAS LED spot VLE D 3.7-35W GU10 940 36D 9290013484 MAS LED spot VLE D 3.7-35W GU10 940 60D 9290013487			CorePro LEDspot 4-50W GU10 840 36D DIM 9290020658 CorePro LEDspot 4-50W GU10 830 36D DIM 9290020683 CorePro LEDspot 4-50W GU10 827 36D DIM 9290024959 CoreProLEDspot 4-50W GU10 840 36D DIM UK 9290020658 CoreProLEDspot 4-50W GU10 830 36D DIM UK 9290020683 CoreProLEDspot 4-50W GU10 827 36D DIM UK 9290024959 CoreProLEDspot 4-50W GU10 865 36D DIM UK 9290035624			CorePro LEDspot 3-35W GU10 840 36D DIM 9290020656 CorePro LEDspot 3-35W GU10 830 36D DIM 9290020682 CorePro LEDspot 3-35W GU10 827 36D DIM 9290024958		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-15	98% - 12%		1-20	95% - 0%		1-15	99% - 8%	
1-16	99% - 7%		1-20	100% - 0%		1-15	98% - 87%	
1-15	98% - 0%		1-20	87% - 0%		1-20	100% - 1%	
1.3-20	99% - 0%		1-20	91% - 16%		1-3	98% - 5%	
1-20	98% - 13%		1-20	99% - 14%		1-20	99% - 0%	
1-20	98% - 3%		1-20	97% - 0%		1-20	98% - 8%	
1-20	98% - 17%		1-20	100% - 0%		1-20	99% - 0%	
1-20	98% - 0%		1-20	97% - 0%		1-20	98% - 2%	
2-20	98% - 1%		1-20	97% - 0%		1-20	100% - 2%	
1-20	98% - 0%		1-20	100% - 0%		1-20	100% - 0%	
2-20	99% - 0%		1-20	93% - 0%		1-20	99% - 0%	
1-20	91% - 18%		1-20	85% - 0%		1-20	98% - 0%	
1-20	97% - 9%		1-20	93% - 0%		1-20	98% - 8%	
2-15	98% - 0%		1-20	99% - 0%		1-20	100% - 2%	
1-20	98% - 15%		1-20	95% - 0%		1-20	97% - 8%	
1-20	98% - 15%		1-20	95% - 0%		1-20	97% - 8%	
1-20	98% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	77% - 0%		1-20	96% - 0%		1-20	100% - 0%	
1-20	98% - 0%		1-20	87% - 0%		1-20	100% - 0%	
1-20	97% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-20	97% - 9%		1-20	93% - 0%		1-20	98% - 8%	
2-15	98% - 0%		1-20	99% - 0%		1-20	99% - 2%	
1-5	98% - 15%		1-5	93% - 0%		1-5	99% - 8%	
1-20	98% - 28%		1-20	99% - 0%		1-20	99% - 8%	
1-20	99% - 5%		1-20	99% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-20	100% - 0%		1-15	98% - 87%	
	N.A.	N.A.	1-20	89% - 0%		1-20	97% - 0%	
	N.A.	N.A.	1-20	82% - 0%		1-20	100% - 0%	
1-15	99% - 4%		1-20	99% - 0%		1-20	99% - 0%	
1-20	99% - 17%		1-20	97% - 0%		1-20	96% - 0%	
1-20	98% - 10%		1-20	99% - 0%		1-20	98% - 0%	
1-20	98% - 3%		1-20	99% - 0%		1-20	73% - 5%	
1-20	99% - 5%		1-20	99% - 0%		1-20	99% - 0%	
1-16	99% - 7%		1-20	100% - 0%		1-15	98% - 87%	
1-5	99% - 0%		1-8	95% - 0%		1-5	99% - 0%	
1-20	97% - 1%		1-20	89% - 0%		1-20	99% - 0%	
2-20	98% - 38%			N.A.	N.A.		N.A.	N.A.
1-20	97% - 9%		1-20	93% - 0%		1-20	98% - 8%	
2-15	98% - 0%		1-20	99% - 0%		1-20	99% - 2%	
1-5	98% - 15%		1-5	93% - 0%		1-5	99% - 8%	
1-20	98% - 22%			N.A.	N.A.	1-20	75% - 17%	
1-20	97% - 9%		1-20	97% - 0%		1-20	93% - 8%	
1-12	99% - 13%		1-10	84% - 1%		1-10	94% - 8%	
1-20	97% - 10%		1-20	81% - 4%		1-20	93% - 8%	
1-20	97% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	97% - 15%		1-20	98% - 0%		1-20	99% - 0%	
1-20	97% - 15%		1-20	98% - 0%		1-20	99% - 0%	
1-10	96% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-15	98% - 19%		1-20	99% - 0%		1-15	99% - 8%	
1-20	98% - 3%		1-20	97% - 0%		1-20	98% - 8%	
1-20	98% - 27%		1-20	97% - 0%		5-20	94% - 15%	
1-20	97% - 7%		1-20	98% - 0%		1-20	98% - 0%	
2-15	98% - 0%		1-20	99% - 0%		1-20	99% - 2%	
1-20	97% - 9%		1-20	93% - 0%		1-20	98% - 8%	
1-5	98% - 15%		1-5	93% - 0%		1-5	99% - 8%	
1-20	91% - 18%		1-20	85% - 0%		1-20	98% - 0%	
1-15	97% - 29%		1-20	99% - 0%		1-20	99% - 0%	
1-10	99% - 0%		1-20	97% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-20	99% - 0%		1-20	100% - 0%	
2-20	97% - 26%			N.A.	N.A.	1-5	95% - 8%	
1-20	72% - 32%			N.A.	N.A.		N.A.	N.A.
1-20	39% - 1%		1-20	99% - 0%		1-20	99% - 8%	
2-20	98% - 13%		1-20	91% - 0%		1-20	95% - 8%	
1-20	97% - 35%		1-20	67% - 0%		1-20	99% - 8%	
1-20	97% - 33%		1-20	98% - 0%		1-20	99% - 0%	
1-20	97% - 33%		1-20	94% - 0%		1-20	100% - 0%	
1-12	98% - 0%			N.A.	N.A.	1-20	95% - 0%	
4-20	98% - 0%		1-20	98% - 0%			N.A.	N.A.
4-20	98% - 0%		1-20	99% - 0%		1-20	97% - 0%	
1-8	47% - 0%		1-20	63% - 0%		1-20	89% - 0%	
1-15	98% - 11%		1-20	98% - 0%		1-20	99% - 2%	
1-15	98% - 7%		1-20	98% - 0%		1-20	99% - 2%	

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dyalite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Spot								
MAS LED spot VLE DT 2.8-35W GU10 927 36D 9290042471			MAS LED spot VLE D 2.8-35W GU10 927 36D 9290042473 MAS LED spot VLE D 2.8-35W GU10 930 36D 9290042474 MAS LED spot VLE D 2.8-35W GU10 940 36D 9290042475 MAS LED spot VLE D 2.8-35W GU10 927 60D 9290042476			MAS LED spot VLE D 3.7-50W GU10 927 36D 9290042479 MAS LEDspotVLE D 3.7-50W GU10 930 36D UK 9290042480 MAS LEDspotVLE D 3.7-50W GU10 940 36D UK 9290042481 MAS LED spot VLE D 3.7-50W GU10 930 36D 9290042480 MAS LED spot VLE D 3.7-50W GU10 940 36D 9290042481 MAS LEDspot VLE D 3.7-50W GU10 92736D5CT 9290042479 MAS LEDspot VLE D 3.7-50W GU10 93036D5CT 9290042480		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	100% - 7%		1-20	98% - 0%		1-15	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-15	99% - 0%	
1-20	100% - 1%		1-20	95% - 0%		1-20	99% - 1%	
1-20	100% - 8%		1-20	97% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	98% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1-20	100% - 0%	
1-20	100% - 2%		1-20	99% - 0%		1-20	99% - 2%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 2%	
1-20	100% - 0%		1-20	95% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	95% - 0%		1-20	100% - 0%	
1-20	99% - 0%		1-20	90% - 0%		1-20	99% - 0%	
1-20	100% - 8%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 1%		1-20	98% - 0%		1-15	99% - 1%	
1-20	100% - 8%		1-20	96% - 0%		1-20	95% - 0%	
1-20	100% - 8%		1-20	96% - 0%		1-20	95% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	95% - 0%		1-20	91% - 0%	
1-20	100% - 0%		1-20	95% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 8%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 1%		1-20	98% - 0%		1-15	100% - 1%	
1-5	100% - 8%		1-5	97% - 0%		1-5	95% - 0%	
1-20	100% - 8%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 6%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 6%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 0%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 0%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 8%		1-20	100% - 0%		1-15	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 4%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 6%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 6%		1-20	100% - 0%		1-15	99% - 0%	
1-8	100% - 8%		1-8	97% - 0%		1-5	99% - 0%	
1-20	100% - 1%		1-20	91% - 0%		1-20	89% - 1%	
1-20	100% - 0%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 7%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 1%		1-20	98% - 0%		1-15	99% - 1%	
1-5	100% - 8%		1-5	97% - 0%		1-5	95% - 0%	
1-20	86% - 8%		1-20	86% - 9%		1-20	94% - 7%	
1-20	100% - 8%		1-20	86% - 1%		1-20	100% - 10%	
1-10	100% - 8%		1-20	98% - 0%		1-10	100% - 10%	
1-20	99% - 8%		5-20	88% - 1%		1-20	85% - 3%	
1-20	100% - 5%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 7%		1-20	98% - 0%		1-20	99% - 0%	
1-20	100% - 7%		1-20	98% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	99% - 0%	
1-10	100% - 8%		1-20	100% - 0%		1-15	100% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	96% - 0%	
1-20	100% - 1%		2-20	98% - 0%		1-15	99% - 1%	
1-20	100% - 8%		1-20	97% - 0%		1-20	99% - 0%	
1-5	100% - 8%		1-5	97% - 0%		1-5	95% - 0%	
1-20	100% - 0%		1-20	90% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	99% - 0%	
1-20	100% - 8%		1-20	99% - 3%		1-20	97% - 1%	
1-20	100% - 0%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 0%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 8%		1-20	100% - 0%		1-20	96% - 0%	
1-20	100% - 8%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	95% - 0%		1-20	99% - 0%	
1-20	100% - 2%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 3%		1-20	100% - 0%		1-20	99% - 0%	



# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dyalite DDBC120 – DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5-100W, LED, Trailing
Hamilton	LEDIT – B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6 – 60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Spot								
MAS LED spot VLE D 3.7-50W GU10 927 60D 9290042482 MAS LED spot VLE D 3.7-50W GU10 930 60D 9290042483 MAS LED spot VLE D 3.7-50W GU10 940 60D 9290042484			MAS LED spot VLE DT 5.5-80W GU10 927 36D 9290042557			MAS LED spot VLE D 5.5-80W GU10 940 36D 9290042560 MAS LED spot VLE D 5.5-80W GU10 965 36D 9290042561 MAS LED spot VLE D 5.5-80W GU10 930 36D 9290042559 MASLEDspot VLE D 5.5-80W GU10 930 36D UK 9290042559 MASLEDspot VLE D 5.5-80W GU10 940 36D UK 9290042560 MASLEDspot VLE D 5.5-80W GU10 927 36D UK 9290042558 MAS LED spot VLE D 650lm GU10 930 120D 9290042562 MAS LED spot VLE D 680lm GU10 940 120D 9290042563 MAS LED spot VLE D 680lm GU10 965 120D 9290042564 MAS LED spot VLE D 5.5-80W GU10 927 36D 9290042558		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	97% - 0%		1-13	100% - 6%		1-12	100% - 0%	
	N.A.	N.A.	1-11	100% - 5%		1-10	100% - 0%	
1-10	96% - 0%		1-14	100% - 3%		1-13	100% - 0%	
1-10	96% - 0%		2-20	100% - 3%		1-20	82% - 0%	
1-10	98% - 0%		1-20	100% - 6%		2-20	100% - 5%	
1-10	96% - 0%		1-18	100% - 0%		1-17	100% - 0%	
1-10	95% - 0%		1-18	100% - 0%		1-17	100% - 0%	
1-10	96% - 0%		1-18	100% - 2%		1-17	100% - 0%	
1-10	96% - 0%		1-18	100% - 3%		1-17	100% - 0%	
1-10	96% - 0%		1-20	100% - 2%		1-20	100% - 0%	
1-10	96% - 0%		1-20	100% - 1%		1-20	100% - 0%	
1-10	97% - 0%		1-20	100% - 6%		3-20	100% - 0%	
1-10	97% - 0%		1-15	100% - 6%		1-14	100% - 0%	
1-10	96% - 0%		1-11	100% - 4%		1-11	100% - 0%	
1-10	96% - 0%		1-20	100% - 5%		1-20	100% - 0%	
1-10	97% - 0%		1-20	100% - 5%		1-20	100% - 0%	
1-10	97% - 0%		1-15	100% - 0%		1-14	100% - 0%	
1-10	97% - 0%		1-20	100% - 2%		1-20	100% - 0%	
1-10	96% - 0%		1-20	100% - 2%		1-20	100% - 0%	
1-10	97% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-10	97% - 0%		1-15	100% - 6%		1-14	100% - 0%	
1-10	96% - 0%		1-11	100% - 4%		1-11	100% - 0%	
1-5	96% - 0%		1-4	100% - 5%		1-3	100% - 0%	
1-10	97% - 0%		1-15	100% - 9%		2-10	100% - 5%	
1-10	96% - 0%		1-18	100% - 4%		1-17	100% - 0%	
	N.A.	N.A.	1-11	100% - 3%		1-10	100% - 0%	
1-10	96% - 0%		1-18	100% - 2%		1-17	100% - 0%	
1-10	97% - 0%		1-18	100% - 2%		1-17	100% - 0%	
1-10	96% - 0%		1-11	100% - 4%		1-10	100% - 0%	
1-10	97% - 0%		1-18	100% - 1%		1-17	100% - 0%	
1-10	97% - 0%		1-18	100% - 1%		1-17	100% - 0%	
1-10	96% - 0%		1-18	100% - 3%		1-17	100% - 0%	
1-10	96% - 0%		1-18	100% - 4%		1-17	100% - 0%	
	N.A.	N.A.	1-11	100% - 3%		1-10	100% - 0%	
	N.A.	N.A.	1-4	100% - 7%		1-4	100% - 4%	
1-10	97% - 0%		1-15	100% - 1%		1-14	100% - 0%	
	N.A.	N.A.	2-18	100% - 9%		2-17	100% - 3%	
1-10	97% - 0%		1-15	100% - 6%		1-14	100% - 0%	
1-10	96% - 0%		1-11	100% - 4%		1-11	100% - 0%	
1-5	96% - 0%		1-4	100% - 5%		1-3	100% - 0%	
1-10	97% - 3%			N.A.	N.A.		N.A.	N.A.
1-10	97% - 0%		1-15	100% - 3%		1-17	100% - 0%	
	N.A.	N.A.	1-7	100% - 6%		1-6	100% - 0%	
1-10	96% - 0%		1-15	100% - 6%		1-14	100% - 0%	
1-10	96% - 0%		1-18	100% - 1%		1-17	100% - 0%	
1-10	97% - 0%		1-20	100% - 1%		1-20	100% - 0%	
1-10	97% - 0%		1-20	100% - 1%		1-20	100% - 0%	
1-10	96% - 0%		1-20	100% - 4%		1-20	100% - 0%	
1-10	97% - 0%		1-11	85% - 5%		1-10	100% - 0%	
1-10	96% - 0%		1-18	100% - 0%		1-17	100% - 0%	
1-10	96% - 0%		1-6	100% - 6%		1-5	100% - 0%	
1-10	92% - 0%		1-18	100% - 3%		1-17	100% - 0%	
1-10	96% - 0%		1-11	100% - 4%		1-11	100% - 0%	
1-10	97% - 0%		1-15	100% - 6%		1-14	100% - 0%	
1-10	97% - 0%		1-20	100% - 6%		3-20	100% - 0%	
1-10	97% - 0%		1-20	100% - 0%		1-15	100% - 0%	
1-10	96% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-10	96% - 0%			N.A.	N.A.		N.A.	N.A.
1-10	95% - 1%			N.A.	N.A.		N.A.	N.A.
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
	N.A.	N.A.	1-18	100% - 4%		1-17	100% - 0%	
1-10	96% - 0%		1-20	100% - 6%		1-20	100% - 0%	
1-10	97% - 0%		1-20	100% - 1%		1-20	100% - 0%	
1-10	95% - 0%		1-20	100% - 2%		1-20	100% - 0%	
1-10	97% - 0%		1-18	100% - 0%		1-17	100% - 0%	
1-10	96% - 0%		1-18	100% - 0%		3-17	100% - 0%	
1-10	97% - 0%		1-18	100% - 0%		1-17	100% - 0%	
1-10	95% - 0%		1-20	100% - 0%		1-20	100% - 0%	
			1-16	100% - 3%		1-16	100% - 0%	
			1-20	100% - 7%		1-20	100% - 7%	

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dynamlite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamlite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynamlite	DDLE801	(100W per channel)
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Spot								
MAS LED spot VLEDT3.7-50W GU10 927 36DUK 9290042472 MAS LED spot VLE DT 3.7-50W GU10 927 36D 9290042472			MAS LEDspot UE 2.1-50W GU10 DIM 827 EELA 9290037959 MAS LEDspot UE 2.1-50W GU10 DIM 830 EELA 9290037960 MAS LEDspot UE 2.1-50W GU10 DIM 840 EELA 9290037961			CorePro LEDspot 4.8-50W GU10 3CCT 36DDIM 9290042210		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-15	100% - 8%		1-20	100% - 0%		1-15	98% - 0%	
1-15	100% - 0%		1-20	99% - 0%		1-10	99% - 0%	
1-20	100% - 1%		1-20	99% - 0%		1-15	99% - 0%	
5-20	100% - 5%		1-2	100% - 0%			N.A.	N.A.
1-20	100% - 0%		1-20	100% - 0%		1-20	100% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	100% - 2%		1-20	100% - 0%		1-20	96% - 0%	
1-20	100% - 2%		1-20	99% - 0%		1-20	96% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	91% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-15	99% - 0%	
1-20	100% - 2%		1-20	99% - 0%		1-10	99% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-15	95% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-10	100% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	97% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-15	99% - 0%	
1-20	100% - 2%		1-20	99% - 0%		1-10	99% - 0%	
1-5	100% - 8%		1-10	99% - 0%		1-3	100% - 7%	
1-20	100% - 0%		1-20	99% - 1%		1-15	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%			N.A.	N.A.
1-15	100% - 0%		1-20	99% - 0%		1-10	99% - 0%	
1-20	100% - 0%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 0%			N.A.	N.A.		N.A.	N.A.
1-20	100% - 0%		1-20	100% - 0%		1-10	100% - 6%	
1-20	100% - 0%		1-20	100% - 5%		1-20	100% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	98% - 0%	
	N.A.	N.A.	1-20	100% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%			N.A.	N.A.
1-15	100% - 0%		1-20	99% - 0%		1-10	99% - 0%	
1-5	100% - 0%		1-10	99% - 0%		1-5	98% - 0%	
1-20	100% - 1%		1-20	99% - 0%		1-15	99% - 0%	
1-20	100% - 0%			N.A.	N.A.	1	95% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-15	99% - 0%	
1-20	100% - 2%		1-20	99% - 0%		1-10	99% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-10	99% - 0%	
1-20	100% - 9%		1-20	76% - 0%			N.A.	N.A.
1-20	100% - 8%		8-20	100% - 0%		1-20	98% - 0%	
1-10	100% - 8%		8-15	99% - 7%		1-8	98% - 0%	
1-20	100% - 8%		1,5-20	99% - 0%		1-15	99% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-15	100% - 8%		1-20	99% - 0%		1-10	100% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%			N.A.	N.A.
1-20	100% - 1%		1-20	98% - 3%		1-20	100% - 0%	
1-20	100% - 2%		1-20	99% - 0%		1-10	99% - 0%	
1-20	100% - 8%		1-20	99% - 0%		1-15	99% - 0%	
1-5	100% - 8%		1-10	99% - 0%		1-3	100% - 7%	
1-20	100% - 0%		1-20	97% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1-20	97% - 0%	
1-20	100% - 0%		1-20	99% - 1%		1-20	100% - 0%	
1-20	100% - 8%		1	98% - 0%		2-15	97% - 0%	
1-20	100% - 8%		1-20	60% - 5%			N.A.	N.A.
1-20	100% - 8%		1-20	99% - 0%			N.A.	N.A.
1-20	100% - 8%		2-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 8%		1-20	98% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	97% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-20	100% - 2%						N.A.	N.A.
1-20	100% - 2%					1-20	95% - 0%	

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dyalite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711IDE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dyalite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dyalite	DDLE801	(100W per channel)
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dyalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Capsule								
CorePro LEDcapsuleMV 2.6-25W G9 827 D 9290023899 CorePro LEDcapsuleMV 2.6-25W G9 827 D UK 9290023899			CorePro LEDcapsuleMV 4-40W G9 827 D 9290023900			CorePro LEDcapsuleMV 2.7-25W G9 827 D 9290037911 CorePro LEDcapsuleMV 2.7-25W G9 827 D UK 9290037911		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	95% - 0%		1-15	93% - 0%		1-20	100% - 0%	
1-20	95% - 0%		1-15	93% - 68%		1-20	86% - 0%	
1-20	94% - 0%		1-15	92% - 0%		1-20	89% - 0%	
2-20	94% - 0%		1-15	93% - 0%		1-20	99% - 0%	
1-20	96% - 0%		1-15	94% - 0%		1-20	93% - 0%	
1-20	93% - 0%		1-15	92% - 0%		1-20	92% - 0%	
1-20	97% - 0%					1-20	93% - 0%	
1-20	79% - 0%		1-15	81% - 0%		1-20	92% - 0%	
1-20	90% - 0%		1-15	90% - 0%		1-20	95% - 0%	
1-20	93% - 0%		1-15	92% - 0%		1-20	93% - 0%	
1-20	93% - 0%		1-15	92% - 0%		1-20	93% - 0%	
1-20	99% - 2%		1-20	99% - 1%		1-20	100% - 0%	
1-16	99% - 0%		1-20	99% - 0%		1-20	96% - 0%	
1-20	89% - 0%		1-15	89% - 0%		1-20	95% - 0%	
1-20	89% - 0%		1-15	89% - 0%		1-20	95% - 0%	
1-20	87% - 0%		1-15	87% - 0%		1-20	98% - 0%	
1-20	87% - 0%		1-15	87% - 0%		1-20	98% - 0%	
1-20	86% - 0%		1-15	87% - 0%		1-20	95% - 0%	
1-20	84% - 0%		1-15	85% - 0%		1-20	98% - 0%	
1-20	91% - 0%		1-15	90% - 0%		1-20	90% - 0%	
1-20	90% - 2%		1-20	98% - 1%		1-20	92% - 0%	
1-16	99% - 0%		1-20	99% - 0%		1-20	96% - 0%	
1-20	89% - 0%		1-15	89% - 0%		1-20	95% - 0%	
1-8	83% - 0%		1-5	84% - 0%		1-20	100% - 0%	
1-20	89% - 0%		1-15	89% - 0%		1-20	87% - 0%	
1-20	79% - 0%		1-15	91% - 0%		1-20	86% - 0%	
1-20	98% - 0%		1-20	99% - 0%		1-20	86% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	95% - 0%	
1-20	96% - 0%					1-20	89% - 0%	
1-20	94% - 0%		1-15	87% - 0%		1-20	100% - 0%	
1-20	94% - 0%		1-15	87% - 0%		1-20	100% - 0%	
1-20	96% - 0%		1-15	85% - 0%		1-20	88% - 0%	
1-20	85% - 0%		1-15	90% - 0%		1-20	92% - 0%	
1-20	79% - 0%		1-15	91% - 0%		1-20	86% - 0%	
1-20	95% - 0%		1-15	93% - 68%		1-20	90% - 0%	
1-9	79% - 0%		1-5	91% - 31%		1-8	90% - 0%	
1-20	85% - 0%		1-15	97% - 0%		1-20	94% - 0%	
1-20	90% - 0%		1-15	85% - 0%			N.A.	N.A.
1-16	99% - 0%		1-20	99% - 0%		1-20	96% - 0%	
1-20	89% - 0%		1-15	89% - 0%		1-20	95% - 0%	
1-8	83% - 0%		1-5	87% - 0%		1-8	100% - 0%	
1-20	96% - 0%		1-15	85% - 0%		1-20	98% - 0%	
1-20	85% - 0%		1-15	90% - 0%			N.A.	N.A.
1-14	96% - 0%		1-11	95% - 0%		1-10	89% - 0%	
2-20	92% - 0%		2-16	99% - 0%			N.A.	N.A.
1-20	82% - 0%		1-15	90% - 0%		1-20	100% - 0%	
1-20	94% - 10%		1-15	88% - 8%			N.A.	N.A.
1-20	94% - 10%		1-15	88% - 8%			N.A.	N.A.
1-20	92% - 2%		1-20	98% - 1%		1-20	88% - 0%	
1-20	88% - 0%		1-15	89% - 0%		1-20	81% - 0%	
1-20	93% - 0%		1-15	92% - 0%		1-20	92% - 0%	
1-20	100% - 0%		1-20	99% - 0%		5-20	77% - 1%	
1-20	85% - 0%			N.A.	N.A.	1-20	100% - 0%	
1-20	89% - 0%		1-15	89% - 0%		1-20	100% - 0%	
1-16	99% - 0%		1-20	99% - 0%		1-20	96% - 0%	
1-8	83% - 0%		1-5	86% - 0%		1-8	100% - 0%	
1-20	99% - 2%		1-20	99% - 1%		1-20	100% - 0%	
1-20	94% - 0%		1-15	88% - 0%		1-20	92% - 0%	
1-20	98% - 0%		1-20	99% - 0%		1-20	95% - 0%	
1-20	89% - 2%		1-20	98% - 1%		1-20	100% - 0%	
1-20	94% - 0%		1-15	88% - 0%		1-20	89% - 0%	
1-20	97% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	91% - 2%		1-20	99% - 1%		1-20	80% - 0%	
1-20	81% - 0%		1-15	90% - 0%		1-20	98% - 0%	
1-20	83% - 0%		1-15	89% - 0%		1-20	95% - 0%	
1-20	96% - 0%		1-15	93% - 0%		1-20	97% - 0%	
1-20	85% - 0%		1-15	93% - 0%		1-20	87% - 0%	
	N.A.	N.A.	1-12	95% - 0%		1-20	95% - 0%	
1, 4-11	98% - 0%		3-20	90% - 0%	4-5	1-20	76% - 0%	
10-11	99% - 0%		3-20	99% - 0%		1-20	88% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	95% - 0%	
1-20	100% - 0%							
1-20	99% - 0%							



# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 - 360W - Turn
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger   ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger   ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK   Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dynamlite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RC] 50 - 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 - 100W - Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 100VA
Niko	310 - 02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310 - 03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamlite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynamlite	DDLE801	(100W per channel)
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 - 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED

LED Capsule			LED Spot			LED Spot		
CorePro LEDcapsuleMV 4-40W G9 827 D 9290037912			CoreProLEDspot D 4.3-60W R50 E14 827 36D 9290018912			CoreProLEDspot D 4.5-60W R63 E27 827 36D 9290018914		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-18	98% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-15	98% - 0%			N.A.	N.A.		N.A.	N.A.
1-19	99% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	99% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	97% - 0%		1-15	98% - 0%		1-15	98% - 0%	
1-20	99% - 0%		1-15	98% - 0%		1-15	98% - 0%	
	N.A.	N.A.	1-15	97% - 0%		1-15	97% - 0%	
	N.A.	N.A.	1-15	97% - 0%		1-15	97% - 0%	
	N.A.	N.A.	1-15	96% - 0%		1-15	96% - 0%	
	N.A.	N.A.	1-15	97% - 0%		1-15	97% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-15	99% - 0%	
1-16	98% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	98% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	98% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	91% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	99% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	99% - 0%		1-15	95% - 0%		1-15	95% - 0%	
1-20	98% - 0%		1-20	83% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-15	99% - 0%	
1-16	98% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-5	99% - 0%		1-5	96% - 0%		1-5	96% - 0%	
1-20	93% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	99% - 0%		1-15	98% - 0%		1-15	98% - 0%	
1-15	98% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-15	99% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	99% - 0%		1-15	95% - 0%		1-15	95% - 0%	
1-20	90% - 0%		1-15	95% - 0%		1-15	95% - 0%	
1-20	94% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	99% - 0%		1-15	98% - 0%		1-15	98% - 0%	
1-15	98% - 0%			N.A.	N.A.		N.A.	N.A.
1-6	99% - 0%		1-5	95% - 0%		1-5	95% - 0%	
1-20	99% - 0%		1-15	97% - 0%		1-15	97% - 0%	
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
1-20	99% - 0%		1-15	99% - 0%		1-15	99% - 0%	
1-16	98% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-5	99% - 0%		1-5	96% - 0%		1-5	96% - 0%	
1-20	99% - 0%		1-15	89% - 0%		1-15	89% - 0%	
1-13	78% - 0%		2-15	97% - 0%		2-15	97% - 0%	
1-9	96% - 0%		1-10	96% - 0%		1-10	96% - 0%	
1-20	92% - 0%		1-15	99% - 0%		1-15	99% - 0%	
1-20	99% - 0%		1-15	96% - 0%		1-15	96% - 0%	
0%-86%	98% - 0%		1-15	97% - 0%		1-15	97% - 0%	
0%-86%	98% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	98% - 0%		1-20	92% - 0%		1-20	98% - 0%	
1-15	99% - 0%		1-10	96% - 0%		1-10	96% - 0%	
1-20	99% - 0%		1-15	98% - 0%		1-15	98% - 0%	
1-5 max	80% - 5%		1-15	99% - 0%		1-15	99% - 0%	
1-20	99% - 0%		1-15	97% - 0%		1-15	97% - 0%	
1-16	98% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	99% - 0%		1-15	99% - 0%		1-15	99% - 0%	
1-5	99% - 0%		1-8	96% - 0%		1-8	96% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	98% - 0%		1-10	96% - 0%		1-10	96% - 0%	
1-20	98% - 0%		1-18	99% - 0%		1-20	99% - 0%	
1-20	96% - 0%		1-20	88% - 0%		1-20	98% - 0%	
1-20	96% - 0%		2-15	96% - 0%		2-15	96% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-20	89% - 0%		1-20	88% - 0%		1-20	99% - 0%	
1-20	95% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	93% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	99% - 0%		1-15	96% - 0%		1-15	96% - 0%	
1-20	99% - 1%		1-11	98% - 0%		1-11	98% - 0%	
1-20	98% - 0%		3-15	97% - 0%		3-15	97% - 0%	
1-20	98% - 0%		1-15	99% - 0%		1-15	99% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	99% - 0%	

# 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.
X - Y	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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN - UC	400W 3 – wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal +Dynamlite DDBC120 - DALI	10-300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK - Electric	K1535	[R] 65 – 450W – Turn
MK - Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 – 100VA
Niko	310 - 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 - 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamlite DDBC120 - DALI	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6 – 60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R ] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynamlite	DDL801	(100W per channel)
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot
Hager	WHI04302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Spot								
MAS LEDspot VLE D 13-100W 927 PAR38 25D 9290034852			MAS LEDspot VLE D 9.5-75W 927 PAR30S 25D 9290034854 MAS LEDspot VLE D 9.5-75W 930 PAR30S 25D 9290034855 MAS LEDspot VLE D 9.5-75W 940 PAR30S 25D 9290034856			MAS LEDspot VLE D 6-50W 927 PAR20 25D 9290034857 MAS LEDspot VLE D 6-50W 930 PAR20 25D 9290034858 MAS LEDspot VLE D 6-50W 940 PAR20 25D 9290034859 MAS LEDspot VLE D 6-50W 927 PAR20 40D 9290034860 MAS LEDspot VLE D 6-50W 930 PAR20 40D 9290034861 MAS LEDspot VLE D 6-50W 940 PAR20 40D 9290034862		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-5	98% - 0%		1-8	94% - 0%		1-10	98% - 0%	
1-5	99% - 0%		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1-5	98% - 0%		1-8	94% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	94% - 0%		1-20	98% - 0%	
1-10	98% - 0%		1-10	93% - 0%		1-20	98% - 0%	
1-8	98% - 0%		1-10	96% - 0%		1-15	98% - 0%	
1-8	100% - 0%		1-11	99% - 0%		1-20	99% - 0%	
1-8	99% - 0%		1-10	97% - 0%		1-15	99% - 0%	
1-8	99% - 0%		1-10	97% - 0%		1-15	98% - 0%	
1-10	99% - 0%		1-20	95% - 0%		1-20	98% - 0%	
1-10	99% - 0%		1-20	95% - 0%		1-20	98% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	94% - 0%		1-20	98% - 0%	
1-10	99% - 0%		1-10	94% - 0%		1-20	98% - 0%	
1-5	98% - 0%		1-8	95% - 0%		1-10	98% - 0%	
1-10	97% - 0%		1-20	93% - 0%		2-20	98% - 14%	
1-10	97% - 0%		1-20	93% - 0%		1-20	98% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
1-5	99% - 7%		2-8	91% - 0%		1-10	98% - 6%	
1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
1-18	99% - 0%		1-20	98% - 0%		1-20	100% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
			1-20	98% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	99% - 0%	
1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
2-8	98% - 14%		1-10	94% - 0%		1-15	98% - 0%	
1-8	97% - 0%		1-10	94% - 0%		1-15	98% - 0%	
1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
1-5	99% - 0%		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1-2	83% - 24W		1-3	94% - 0%		1-3	99% - 0%	
1-5	98% - 0%		1-8	95% - 0%		1-10	98% - 0%	
1-8	97% - 0%		1	93% - 1%		1	98% - 1%	
1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
1-5	98% - 0%		1-8	93% - 1%		1-15	99% - 0%	
1-8	97% - 0%		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1-3	98% - 2%		1-20	98% - 0%		1-20	100% - 0%	
1-6	100% - 0%		1-8	99% - 0%		2-12	97% - 0%	
1-8	97% - 0%		1-10	96% - 5%		2-5	98% - 23%	
1-8	100% - 0%		1-20	95% - 0%		1-15	98% - 0%	
1-8	100% - 0%		1-20	95% - 0%		1-15	98% - 0%	
1-8	98% - 0%		1-13	99% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		2-15	98% - 11%	
1-8	98% - 0%		N.A.	N.A.	N.A.	1-15	98% - 0%	
1-8	100% - 0%		1-15	98% - 0%		1-20	98% - 0%	
1-8	97% - 2%		1-10	93% - 0%		1-15	99% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-6	100% - 0%		1-8	99% - 0%		1-13	100% - 0%	
1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-5	97% - 0%		1-6	95% - 0%		1-10	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-8	92% - 0%		1-10	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-8	94% - 0%		1-15	98% - 0%	
1-5	97% - 6%		1-20	95% - 2%		1-20	98% - 3%	
1-10	98% - 4%		1-20	93% - 0%		1-20	98% - 0%	
1-10	97% - 5%		1-20	93% - 0%		1-20	98% - 0%	
1-4	99% - 0%		1-5	99% - 0%		1-8	99% - 0%	
N.A.	N.A.	N.A.	5-10	100% - 0%		N.A.	N.A.	N.A.
3-7	100% - 0%		5-10	100% - 0%		5-15	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	

# 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

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 – 360W – Turn
Berker   INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger   ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger   ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger   ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger   ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger   ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger   ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO   EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO   Schneider	SBD315RC (315 GLE )	[RC] 315W
SE LK   Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK   Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal +Dynamlite DDBC120 – DALI	10–300W, LED, Trailing
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller   Schneider	40300 (SBD315)	[RLC] 300W
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RLC] 50 – 420W
Gira   INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira   INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5–100W, LED, Trailing
Hamilton	LEDIT – B100	5–100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung   INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung   INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
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	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 100VA
Niko	310 – 02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310 – 03901	[LED, R, L, C] 3 – 200W – Turn
Osram	HALOTRONIC HTI DALI 315 DIM + Dynamlite DDBC120 – DALI	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[ ] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0–200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0–200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0–120W, LED
Varilight	JQP401W	0–120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynamlite	DDLE801	(100W per channel)
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynamlite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W–150W, LED, Rot
Hager	WH104302	[LED, R, L, C] 3 – 90W LED
Jung   INSTA	1731DD	[LED, R, L, C] 3 – 400W – LED

LED Linear								
CoreProLED linearD 17.5-150W R75 118 830 9290020166 CoreProLED linearD 17.5-150W R75 118 840 9290020167			CorePro LED linear D 14-120W R75 118 830 9290013536 CorePro LED linear D 14-120W R75 118 840 9290013537			CorePro R75 118mm 14-100W 830 D 9290012437 CorePro R75 118mm 14-100W 840 D 9290012438		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1	99% - 15%		1-5	95% - 2%		1-5	95% - 2%	
1-3	98% - 10%		1-3	94% - 0%		1-3	94% - 0%	
	N.A.	N.A.	1-5	93% - 0%		1-5	93% - 0%	
1-7	97% - 0%		1-8	94% - 0%		1-8	94% - 0%	
1-7	96% - 17%		1-8	98% - 6%		1-8	98% - 6%	
1-2	96% - 25%		1-5	93% - 7%		1-5	93% - 7%	
1-6	98% - 0%		1-20	96% - 7%		1-8	100% - 0%	
1-6	97% - 10%		1-5	94% - 0%		1-5	94% - 0%	
1-6	97% - 3%		1-5	93% - 0%		1-5	93% - 0%	
1-20	95% - 1%		1-8	92% - 0%		1-8	92% - 0%	
1-20	95% - 1%		1-8	93% - 0%		1-8	93% - 0%	
1-20	99% - 9%		1-20	99% - 1%		1-20	98% - 1%	
1-5	99% - 16%		1-6	98% - 3%		1-6	98% - 3%	
1-4	95% - 3%		1-5	97% - 0%		1-5	97% - 0%	
1-7	98% - 16%		1-8	93% - 0%		1-8	93% - 0%	
1-7	98% - 16%		1-8	93% - 0%		1-8	93% - 0%	
1-5	96% - 1%		1-5	93% - 0%		1-5	93% - 0%	
1-11	98% - 0%		1-8	95% - 0%		1-8	95% - 0%	
1-11	98% - 5%		1-8	93% - 0%		1-8	93% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	97% - 0%	
1-5	99% - 16%		1-6	98% - 3%		1-6	98% - 3%	
1-4	95% - 3%		1-5	97% - 0%		1-5	97% - 0%	
1	98% - 15%		1-1	94% - 0%		1-1	94% - 0%	
1-5	97% - 24%		1-6	93% - 0%		1-6	93% - 0%	
1-6	96% - 7%		1-5	93% - 0%		1-5	93% - 0%	
1-9	98% - 11%		1-20	98% - 0%		1-20	99% - 1%	
1-20	98% - 0%		1-20	95% - 0%		1-20	97% - 0%	
1-5	98% - 1%		1-7	97% - 0%		1-8	100% - 0%	
1-3	95% - 3%		1-3	97% - 0%		1-3	97% - 0%	
1-6	96% - 1%		1-5	93% - 0%		1-5	93% - 0%	
1-6	98% - 5%		1-5	93% - 0%		1-5	93% - 0%	
1-6	98% - 10%		1-5	93% - 0%		1-5	93% - 0%	
1-6	96% - 7%		1-5	93% - 0%		1-5	93% - 0%	
1-3	98% - 10%		1-3	94% - 0%		1-3	94% - 0%	
1	97% - 29%		1-2	93% - 0%		1-2	93% - 0%	
1-5	97% - 4%		1-5	93% - 0%		1-5	93% - 0%	
1-6	98% - 44%		1-5	93% - 0%		1-5	93% - 0%	
1-5	99% - 16%		1-5	98% - 3%		1-5	98% - 3%	
1-4	95% - 3%		1-5	97% - 0%		1-5	97% - 0%	
1	98% - 15%		1	94% - 0%		1	94% - 0%	
2-5	98% - 18%		1-5	94% - 4%		1-5	94% - 4%	
1-6	98% - 17%		1-5	95% - 11%		1-5	95% - 11%	
1-2	98% - 12%		1-3	100% - 1%		1-3	100% - 1%	
1-4	99% - 18%		1-5	99% - 8%		1-5	99% - 8%	
1-6	98% - 1%		1-5	97% - 0%		1-5	97% - 0%	
1-11	98% - 0%		1-8	93% - 0%		1-8	93% - 0%	
1-11	98% - 0%		1-8	93% - 0%		1-8	93% - 0%	
1-20	95% - 0%		1-20	99% - 0%		1-20	97% - 0%	
1-3	98% - 12%		1-3	93% - 0%		1-3	93% - 0%	
1-2	96% - 25%		1-5	93% - 0%		1-5	93% - 0%	
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
1-4	95% - 3%		1-5	97% - 0%		1-5	97% - 0%	
1-5	99% - 16%		1-6	98% - 3%		1-6	98% - 3%	
1	98% - 15%		1	94% - 0%		1	94% - 0%	
1-20	99% - 9%		1-20	99% - 1%		1-20	98% - 1%	
1-3	98% - 0%		1-4	93% - 0%		1-4	93% - 0%	
1-13	96% - 0%		1-17	88% - 0%		1-19	97% - 0%	
1-20	97% - 0%		1-14	86% - 0%		1-17	96% - 0%	
1-5	98% - 18%		1-5	94% - 20%		1-5	94% - 20%	
1-20	98% - 0%		1-20	94% - 0%		1-20	97% - 0%	
1-20	96% - 0%		1-20	99% - 0%		1-20	97% - 0%	
1-6	98% - 20%		1-5	93% - 0%		1-5	93% - 0%	
1-11	98% - 29%		1-8	93% - 0%		1-8	93% - 0%	
1-11	99% - 1%		1-8	93% - 0%		1-8	93% - 0%	
1-11	98% - 0%		1-5	95% - 0%		1-5	95% - 0%	
1-3	98% - 0%		1-3	100% - 0%		1-3	100% - 0%	
4-5	99% - 0%		2	99% - 0%		2	99% - 0%	
2-5	99% - 0%		1-7	99% - 0%		1-7	99% - 0%	
1-15	96% - 0%		1-20	93% - 0%		1-20	99% - 0%	
			1-5	99% - 2%				
			1-20	100% - 1%				



## Notes:

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- #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 maximum level is above or equal to 80%.
  - Red cell: not compatible.
  - 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:
  - "Dimming Performance" color indications and criteria:
  - Green cell: No / or single point flicker, flicker range < 5% and below 80%.
  - Yellow cell: Flicker range < 5%, single point flicker > 80%, 5%-20% flicker range below 80%
  - Red cell: Flicker failed.
  - White cell: No data available.
- #11) The information contained here is believed to be accurate at the time it was published, but is provided "AS IS".
- #12) The DALI dimmer test data is with Dynalite DDBC120-DALI controller under limited conditions. Signify reserves the rights to the final explanation.



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Data subject to change.