



# PHILIPS

Compatibility List Professional Q4 2025

## Mains Voltage / Dimmer

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Professional LED Mains Voltage range

**2-28**



# 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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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 +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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC ] 180W
MK - Electric	K4500 WHILV	[RLC ] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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 DT3.4-40W E27 927A60CL G 9290030099			MAS LEDBulbDT5.9-60W E27 927A60CL G 9290030103			MAS LEDBulb DT7.2-75W E27 927A60CL G 9290030111		
MAS LEDBulbDT3.4-40W E27 927 A60 FR G 9290030100			MAS LEDBulb DT5.9-60W E27 927 A60 FR G 9290030104			MAS LEDBulb DT7.2-75W B22 927A60CL 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 LEDBulbD 3.4-40W B22 A60 927FR 9290030102			MAS VLE LEDBulbD5.9-60W B22 A60 927FR G 9290030106			MAS VLE LEDBulbD7.2-75W B22 A60 927 FR G 9290030114		
			MAS VLE LEDBulb DT5.9-60W E27 927ST64CLG 9290030107					
			MAS VLE EDBulbDT5.9-60W B22 927 ST64CL G 9290030108					
			MAS VLE LEDBulb DT5.9-60W E27 927G93CL G 9290030109					
			MAS VLE EDBulbDT5.9-60W 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%	
	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%	
	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%	
	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%	

# 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
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Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger   ABB	2250 U	[R] 60 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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)
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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
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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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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 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 LEDBulbDT10.5-100W B22 A60 927FRG UK 9290030118			LED classic 50W G120 E27 WW CM D RF 929002412		
								
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	<i>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.</i>
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	

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2-100 VA
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 ~ 100 VA-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 VLE LEDBulb D11.2-100W E27 927 A60 CL G 9290030583			MAS VLE LEDBulb D5.9-60W E27 927 A60 CL G 9290030575			MAS VLE LEDBulb D7.8-75W E27 927 A60 CL G 9290030579		
MAS VLE LEDBulb D11.2-100W E27 927 A60 FR G 9290030585			MAS VLE LEDBulb D5.9-60W E27 927 A60 FR G 9290030577			MAS VLE LEDBulb D7.8-75W E27 927 A60 FR G 9290030581		
			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					
								
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% - 1%		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% - 6%		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 bellow
	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 -100 VA
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 ~ 100 VA-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								
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%	

# 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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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 LEDCandleD3.4-40W E14 B35 927 CL 9290030595			MAS VLE LEDBulbD3.4-40W E27 927 A60 CL G 9290030705		
MAS VLE LEDBulbD11.2-100W E27 940A60FRG 9290035273			MAS VLE LEDCandleD3.4-40W E14 B35 927 FR G 9290030597			MAS VLE LEDBulbD3.4-40W E27 927 A60 FR G 9290030707		
			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					
								
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% - 1%		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	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC ] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC ] 180W
MK - Electric	K4500 WHILV	[RLC ] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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								
AS 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%	
1-10	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC ] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC ] 180W
MK - Electric	K4500 WHILV	[RLC ] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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								
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%	
2-10	98% - 0%		2-10	100% - 0%		2-10	98% - 0%	
2-10	97% - 0%		1-10	100% - 0%		2-10	97% - 0%	
1-7	99% - 0%		1-6	100% - 0%		1-7	99% - 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%	
1-4	99% - 0%		1-3	100% - 0%		1-4	99% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	99% - 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%	
1-10	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	<i>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.</i>
x-y	See note bellow	
	Unexpected performance behavior, not in line with good dimming perception	
N.A.	Dimmer lamp combination not applicable	
	Dimmer lamp combination not tested	

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~ 100 VA
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 ~ 100 VA-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)	(xW per channel)-leading
Philips Dynalite	DDMC802 (913703243509)	(xW 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	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	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

### 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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC ] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC ] 180W
MK - Electric	K4500 WHILV	[RLC ] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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 VLE LEDBulbD4-25W E27 A60 GOLD SP G 9290029828			LED classic 25W ST64 E27 pink D SRT4 9290024537			LED classic 60W B35 E14 CL WGD90 9290030139		
MAS VLE LEDBulbD4-25W E27 ST64 GOLD SP G 9290029829			LED classic 25W G93 E27 pink D 1PF/4 9290024538			LED classic 60W B35 B22 CL WGD90 9290030140		
MAS VLE LEDBulbD4-25W E27 T32 GOLD SP G 9290029831			LED CLA giant 25W E27 G200 pink DIM 9290024539			LED classic 60W P45 E14 WGD90 CL 9290030141		
MAS VLE LEDBulbD4-15WE27 G93GOLD SP G 9290029830			LED classic 25W ST64 E27 gradient D SRT 9290024540			LED classic 60W P45 B22 WGD90 CL 9290030142		
			LED classic 25W G120 E27 gradient D 1PF 9290024541			LED classic 60W P45 E27 WGD90 CL 9290030143		
			LED CLA giant 28W E27 G200 gradient D 9290024542					
								
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	98% - 0%		1-10	98% - 0%		1-5	72% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-10	0% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1	96% - 0%	
2-10	98% - 0%		2-10	98% - 0%		1-20	93% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	66% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-17	95% - 0%	
1-10	96% - 0%		1-10	96% - 0%			N.A.	N.A.
1-10	98% - 0%		1-10	98% - 0%		1-20	87% - 0%	
2-10	67% - 0%		2-10	67% - 0%			N.A.	N.A.
1-10	98% - 0%		1-10	98% - 0%		1-20	76% - 0%	
2-10	97% - 0%		2-10	97% - 0%		1	93% - 0%	
1-3	100% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	95% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-4	97% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1	97% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-20	0% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1	0% - 0%	
1-10	94% - 0%		1-10	94% - 0%		1-15	70% - 0%	
1-10	94% - 0%		1-10	94% - 0%		1-20	98% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	95% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-4	97% - 0%	
1-4	99% - 0%		1-4	99% - 0%		1-3	96% - 0%	
2-10	97% - 1%		2-10	97% - 1%			N.A.	N.A.
1-10	96% - 0%		1-10	96% - 0%		1-17	97% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-10	80% - 0%	
1-3	100% - 0%		1-3	99% - 0%		1-3	98% - 0%	
	N.A.	N.A.		N.A.	N.A.	1-3	98% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-3	70% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-5	70% - 2%	
1-10	99% - 0%		1-10	99% - 0%		1-17	69% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-17	96% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-17	97% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-10	80% - 0%	
1-5	99% - 0%		1-5	99% - 0%		1-4	99% - 2%	
1-10	98% - 0%		1-10	98% - 0%		1-5	97% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-2	98% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	95% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	97% - 0%	
1-4	99% - 0%		1-4	99% - 0%		1-3	96% - 0%	
2-10	98% - 0%		2-10	98% - 0%		1-15	96% - 0%	
2-10	97% - 0%		2-10	97% - 0%		1-17	97% - 0%	
1-7	99% - 0%		1-7	99% - 0%		1-6	96% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-14	99% - 0%	
1-10	97% - 0%		1-10	97% - 0%			N.A.	N.A.
1-10	98% - 0%		1-10	98% - 0%			N.A.	N.A.
1-10	98% - 0%		1-10	98% - 0%			N.A.	N.A.
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-10	99% - 10%	
1-10	98% - 0%		1-10	98% - 0%		1-17	95% - 0%	
1-10	97% - 2%		1-10	97% - 2%			N.A.	N.A.
1-10	99% - 0%		1-10	99% - 0%			N.A.	N.A.
1-10	98% - 0%		1-10	98% - 0%		1-3	97% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	95% - 0%	
1-4	99% - 0%		1-4	99% - 0%		1-3	96% - 0%	
1-3	99% - 0%		1-3	99% - 0%		1-3	99% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-3	95% - 0%	
1-3	100% - 0%		1-3	99% - 0%		1-3	100% - 0%	
1-3	100% - 0%		1-3	99% - 0%		1-3	97% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	97% - 0%	
1-3	65% - 0%		1-3	61% - 0%		1-3	76% - 0%	
1-3	73% - 0%		1-3	73% - 0%		1-3	68% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-17	99% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-20	72% - 3%	
1-10	97% - 5%		1-10	97% - 5%		1-20	72% - 0%	
1-10	97% - 0%		1-10	97% - 0%			N.A.	N.A.
1-3	98% - 0%		1-3	98% - 0%		1-8	96% - 0%	
	N.A.	N.A.		N.A.	N.A.	5-10	97% - 0%	
	N.A.	N.A.		N.A.	N.A.	3-10	97% - 0%	
1-3	100% - 0%		1-3	99% - 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 bellow
	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 - 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 -100 VA
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 ~ 100 VA-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 VLE LEDCandleD2.5-15WE14 B35GOLDSP G 9290029832 MAS VLE LEDLusterD 2.6-15W E14 P45 SP G 9290029833 MAS VLE LEDBulbD 2.6-15W E27 GOLDP45SP G 9290029834			MAS VLE LEDCandleDT2.5-25W E14 B35CL G 9290030119 MAS VLE LEDLusterDT2.5-25W E14 927P45CLG 9290030120 MAS VLE LEDLusterDT2.5-25W E27 927P45CLG 9290030121 MAS LEDCandleDT2.5-25W E14 BA35 CL G 9290030713 MAS LEDCandleDT2.5-25W B22 B35 CL G 9290030712			LMAS VLE LEDCandleDT3.4-40W E14 927B35CLG 9290030122 MAS VLE LEDCandleDT3.4-40W E27 927B35CLG 9290030123 MAS VLE LEDCandleDT3.4-40W B22 927B35CLG 9290030124 MAS VLE LEDCandleDT3.4-40W B15 927B35CLG 9290030125 MAS VLE LEDCandleDT3.4-40W E14927BA35CLG 9290030130 MAS VLE LEDLusterDT3.4-40W E14 927P45CLG 9290030131 MAS VLE LEDLusterDT3.5-40W E27 927P45CLG 9290030132 MAS VLE LEDLusterDT3.5-40W E27 927P45FRG 9290030136		
								
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	97% - 0%		1-20	98% - 0%		1-20	99% - 0%	
1-10	96% - 0%		1-20	93% - 0%		1-18	96% - 0%	
1-10	99% - 0%		1-20	96% - 0%		1-20	98% - 0%	
2-10	96% - 0%		3-20	95% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-20	95% - 0%		1-20	99% - 0%	
1-10	100% - 0%		1-20	86% - 0%		1-20	99% - 0%	
1-10	98% - 0%		1-20	93% - 0%		1-20	99% - 0%	
1-10	96% - 0%		1-20	92% - 0%		1-20	99% - 0%	
1-10	96% - 0%		1-20	94% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-20	94% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-20	94% - 0%		1-20	98% - 0%	
1-3	97% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	96% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-10	98% - 0%		1-20	100% - 0%		1-19	99% - 0%	
1-10	97% - 0%		1-20	100% - 0%		1-20	98% - 0%	
1-10	97% - 0%		1-20	100% - 0%		1-20	98% - 0%	
1-10	97% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-10	96% - 0%		1-10	95% - 0%	
1-10	97% - 0%		1-20	98% - 0%		1-20	94% - 0%	
1-3	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	96% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-10	98% - 0%		1-20	100% - 0%		1-19	99% - 0%	
1-8	99% - 0%		1-8	99% - 0%		1-6	100% - 0%	
1-10	96% - 0%		1-20	100% - 3%		1-20	98% - 4%	
1-10	95% - 0%		1-20	92% - 0%		1-20	96% - 0%	
1-10	96% - 0%		1-20	93% - 0%		1-18	98% - 0%	
1-3	95% - 0%		1-3	100% - 0%		1-3	100% - 0%	
	N.A.	N.A.	1-10	100% - 0%		1-10	100% - 0%	
1-10	99% - 0%		1-20	99% - 0%		1-18	97% - 0%	
	N.A.	N.A.	1-20	100% - 4%		1-20	98% - 2%	
1-10	96% - 0%		1-20	98% - 0%		1-20	97% - 0%	
1-10	90% - 0%		1-20	97% - 0%		1-20	97% - 0%	
1-10	95% - 0%		1-20	92% - 0%		1-20	96% - 0%	
1-10	96% - 0%		1-20	93% - 0%		1-18	98% - 0%	
1-9	100% - 0%		1-10	88% - 3%		1-7	95% - 3%	
1-10	97% - 0%		1-20	100% - 0%		1-20	97% - 0%	
1-10	98% - 0%		1	86% - 0%		1	98% - 24%	
1-10	96% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-10	98% - 0%		1-20	100% - 0%		1-19	99% - 0%	
1-8	99% - 0%		1-8	99% - 0%		1-6	100% - 0%	
2-10	97% - 0%		5-20	92% - 0%		2-20	95% - 0%	
1-10	97% - 0%		1-20	99% - 0%		2-20	100% - 0%	
1-10	99% - 0%		1-14	100% - 0%		1-11	100% - 0%	
1-10	99% - 0%		1-20	98% - 0%		1-20	100% - 0%	
1-10	98% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-10	99% - 0%		1-5	99% - 0%		1-20	98% - 0%	
1-10	99% - 0%		1-5	99% - 0%		1-20	98% - 0%	
1-3	100% - 0%		1-10	100% - 0%		1-10	100% - 0%	
1-10	97% - 0%			N.A.	N.A.	1-18	95% - 0%	
1-10	100% - 0%		1-20	86% - 0%		1-20	99% - 0%	
1-10	98% - 0%		1-20	100% - 4%		1-20	98% - 4%	
1-10	99% - 0%		1-20	100% - 0%		1-20	98% - 0%	
1-10	98% - 0%		1-20	100% - 0%		1-19	99% - 0%	
1-10	96% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-8	99% - 0%		1-8	99% - 0%		1-6	100% - 0%	
1-3	96% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-10	99% - 0%		1-20	63% - 0%		1-18	77% - 0%	
1-3	97% - 0%		1-10	98% - 0%		1-10	100% - 0%	
1-3	96% - 0%		1-10	99% - 0%		1-10	100% - 0%	
2-10	97% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-3	48% - 0%		1-10	49% - 0%		1-10	100% - 0%	
1-3	56% - 0%		1-10	54% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-20	92% - 0%		1-20	97% - 0%	
1-10	96% - 0%		1-20	98% - 3%		1-20	98% - 3%	
1-10	97% - 0%		1-20	98% - 0%		1-20	99% - 0%	
1-10	98% - 0%		1-20	98% - 0%		1-20	97% - 0%	
2-3	90% - 1%		1-10	90% - 0%		1-10	89% - 0%	
3	97% - 1%		1-10	97% - 0%	3-5	6-10	98% - 0%	
2-3	97% - 1%		5-10	97% - 0%		1-10	98% - 0%	
1-3	97% - 0%		1-10	100% - 0%		1-10	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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 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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC ] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC ] 180W
MK - Electric	K4500 WHILV	[RLC ] 400W
NIKO	310-0280X	[LED] 2 -100 VA
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 ~ 100 VA-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 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	97% - 0%		1-10	97% - 0%		1-10	80% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	83% - 0%	
1-12	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%		1-8	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

*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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~ 100 VA
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 ~ 100 VA-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		
MS 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%	
2-9	100% - 0%	
1-7	99% - 1%	
1-6	99% - 1%	
1-2	98% - 9%	
2-8	97% - 1%	
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%	
1-18	100% - 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
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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 -100 VA
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 ~ 100 VA-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 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	98% - 0%		1-20	99% - 0%		1-20	99% - 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	98% - 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	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	98% - 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	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	98% - 0%		1-20	98% - 0%		1-20	99% - 0%	
1-20	99% - 0%		1-20	98% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-20	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-20	100% - 0%		1-10	99% - 0%		1-10	99% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~ 100 VA
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 ~ 100 VA-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 DT10.5-100W 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%	
1-10	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%	
1-10	100% - 5%	
1-10	100% - 2%	
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 bellow
	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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 LED ExpertColor 3.9-35W GU10 927 25D 9290013464			MAS LED ExpertColor 5.5-50W GU10 927 25D 9290013470			MAS LEDspot VLE D 4.7-50W GU10 82736D5CT 9290029954		
MAS LED ExpertColor 3.9-35W GU10 930 25D 9290013465			MAS LED ExpertColor 5.5-50W GU10 930 25D 9290013471			MAS LEDspot VLE D 4.7-50W GU10 83036D5CT 9290029955		
MAS LED ExpertColor 3.9-35W GU10 950 25D 9290013466			MAS LED ExpertColor 5.5-50W GU10 940 25D 9290013472					
MAS LED ExpertColor 3.9-35W GU10 927 36D 9290013467			MAS LED ExpertColor 5.5-50W GU10 927 36D 9290013473					
MAS LED ExpertColor 3.9-35W GU10 930 36D 9290013468			MAS LED ExpertColor 5.5-50W GU10 930 36D 9290013474					
MAS LED ExpertColor 3.9-35W GU10 940 36D 9290013469			MAS LED ExpertColor 5.5-50W GU10 940 36D 9290013475					
			MASLED ExpertColor5.5-50W GU10 927 25DUK 9290013470					
			MASLED ExpertColor5.5-50W GU10 927 36DUK 9290013473					
			MASLEDExpertColor 5.5-50W GU10 930 36DUK 9290013474					
								
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-15	100% - 19%		1-10	99% - 2%		1-15	94% - 0%	
1-15	99% - 5%		1-10	99% - 0%		1-10	94% - 69%	
1-15	100% - 0%		1-10	99% - 0%		1-15	90% - 19%	
1-20	99% - 0%		1-20	98% - 0%		1-20	92% - 0%	
1-20	100% - 30%		1-20	99% - 7%		1-20	98% - 6%	
1-20	100% - 0%		1-15	98% - 0%		1-20	96% - 0%	
1-20	100% - 0%		1-15	100% - 0%		1-20	99% - 23%	
1-20	99% - 1%		1-15	98% - 0%		1-20	96% - 0%	
1-20	99% - 1%		1-15	98% - 0%		1-20	95% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	93% - 6%	
1-20	100% - 0%		1-20	99% - 0%		1-20	94% - 0%	
1-20	94% - 0%		1-20	97% - 0%		1-20	87% - 1%	
1-20	97% - 12%		1-15	98% - 0%		1-17	89% - 22%	
1-20	98% - 0%		1-10	92% - 0%		1-10	93% - 0%	
1-20	99% - 10%		1-20	99% - 0%		1-20	94% - 25%	
1-20	99% - 10%		1-20	99% - 0%		1-20	94% - 25%	
1-20	99% - 0%		1-15	99% - 0%		1-15	92% - 2%	
1-20	99% - 0%		1-20	98% - 0%		1-20	90% - 3%	
1-20	99% - 0%		1-20	98% - 0%		1-20	92% - 3%	
1-20	100% - 0%		1-20	100% - 0%		1-20	97% - 0%	
1-20	97% - 12%		1-15	98% - 0%		1-17	89% - 22%	
1-15	98% - 0%		1-10	92% - 0%		1-10	93% - 0%	
1-5	100% - 37%		1-3	98% - 14%		1-3	94% - 23%	
1-20	100% - 24%		1-15	99% - 0%		1-15	99% - 34%	
1-20	100% - 0%		1-15	99% - 0%		1-20	94% - 0%	
1-15	99% - 5%		1-10	100% - 0%		1-20	98% - 2%	
1-20	99% - 0%		1-15	100% - 0%		1-20	93% - 1%	
1-20	99% - 0%		1-15	100% - 0%		1-20	95% - 9%	
1-15	100% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-20	98% - 0%		1-15	100% - 0%		1-20	98% - 0%	
1-20	99% - 4%		1-15	100% - 0%		1-20	97% - 0%	
1-20	100% - 1%		1-15	99% - 0%		1-20	96% - 13%	
1-20	100% - 0%		1-15	99% - 0%		1-20	94% - 0%	
1-15	99% - 5%		1-10	99% - 0%		1-10	94% - 69%	
1-5	94% - 0%		1-3	98% - 0%		1-5	82% - 0%	
1-20	100% - 0%		1-15	98% - 0%		1-15	95% - 12%	
2-20	99% - 34%		2-15	93% - 6%		1-20	93% - 4%	
1-20	97% - 12%		1-15	98% - 0%		1-17	89% - 22%	
1-15	98% - 0%		1-10	92% - 0%		1-10	93% - 0%	
1-5	100% - 37%		1-3	98% - 14%		1-3	94% - 23%	
1-20	87% - 13%		1-15	96% - 0%		1-15	96% - 0%	
1-20	99% - 8%		1-15	97% - 0%		1-20	95% - 4%	
1-8	100% - 0%		1-5	100% - 0%		1-8	91% - 15%	
1-20	100% - 15%		1-15	98% - 0%		1-14	84% - 14%	
1-20	98% - 5%		1-15	100% - 0%		1-20	98% - 1%	
1-20	98% - 9%		1-20	99% - 0%		1-20	92% - 5%	
1-20	98% - 9%		1-20	99% - 0%		1-20	92% - 5%	
1-20	100% - 0%		1-20	100% - 0%		1-20	95% - 0%	
1-15	100% - 17%		1-10	98% - 1%		1-10	98% - 0%	
1-20	100% - 0%		1-15	98% - 0%		1-20	96% - 0%	
1-20	100% - 0%		1-15	100% - 0%		1-20	97% - 7%	
1-20	100% - 0%		1-15	100% - 0%		1-20	99% - 0%	
2-15	98% - 0%		1-10	92% - 0%		1-10	93% - 0%	
1-20	97% - 12%		1-15	98% - 0%		1-17	89% - 22%	
1-5	100% - 37%		1-3	98% - 14%		1-3	94% - 23%	
1-20	94% - 0%		1-20	97% - 0%		1-20	87% - 1%	
1-20	100% - 0%		1-20	100% - 0%		1-10	94% - 0%	
1-20	100% - 0%		1-20	99% - 0%		1-20	98% - 0%	
1-20	97% - 0%		1-20	100% - 0%		1-20	99% - 0%	
1-20	97% - 13%		1-15	99% - 0%		1-15	96% - 0%	
1-20	99% - 0%		1-20	100% - 0%		1-20	87% - 0%	
1-20	100% - 0%		1-20	100% - 0%		1-20	92% - 1%	
1-20	100% - 6%		1-15	98% - 0%		1-20	97% - 0%	
1-20	99% - 23%		1-20	99% - 3%		1-20	96% - 27%	
1-20	96% - 0%		1-20	99% - 0%		1-20	94% - 6%	
1-20	99% - 0%		1-20	100% - 0%		1-20	95% - 4%	
1-20	99% - 0%		1-15	100% - 0%		1-10	88% - 0%	
1-20	99% - 0%		1-20	100% - 0%			N.A.	N.A.
1-20	99% - 0%		1-20	100% - 0%		9-20	92% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1-20	90% - 0%	
1-20	98% - 0%		1-15	99% - 0%				
1-20	100% - 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 bellow
	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		
MAS LED spot VLE D 4.9-50W GU10 930 36D 9290013489	MMAS LED spot VLE DT 4.9-50W GU10 927 36D 9290013503	MAS LED spot VLE D 6.2-80W GU10 927 36D 9290020595
MAS LED spot VLE D 4.9-50W GU10 940 36D 9290013490	MAS LED spot VLEDT4.9-50W GU10 927 36DUK 9290013503	MAS LED spot VLE D 6.2-80W GU10 965 36D 9290022099
MAS LED spot VLE D 4.9-50W GU10 927 60D 9290013491		MAS LED spot VLE D 680lm GU10 965 120D 9290022102
MAS LED spot VLE D 4.9-50W GU10 930 60D 9290013492		MASLEDspot VLE D 6.2-80W GU10 927 36D UK 9290020595
MAS LED spot VLE D 4.9-50W GU10 940 60D 9290013493		MASLEDspot VLE D 6.2-80W GU10 940 36D UK 9290020660
MAS LEDspotVLE D 4.9-50W GU10 940 36D UK 9290013490		MASLEDspot VLE D 6.2-80W GU10 930 36D UK 9290020684
MAS LEDspotVLE D 4.9-50W GU10 930 36D UK 9290013489		MASLEDspot VLE D 6.2-80W GU10 965 36D UK 9290022099
		MAS LEDspot VLE D 650lm GU10 930 120D UK 9290022100
		

Brand	Type	Load
Berker   INSTA	286710	[RC] 20 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
Niko	310-02901	[LED, R, L, C] 3 - 200W - Tast
Niko	310-03901	[LED, R, L, C] 3 - 200W - Turn
Osram	HALOTRONIC HTI 315 DIM+ Dynalite DDBC120-DALI	3W-200W, LED,Trailing
PEHA	431HAN	[RL] 6~120W [LED] 6~60W
Philips	UID8670	[LED] 2 ~ 100 VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4-100W
RELCO	RM0545	[LED] 4-100W
Schneider	SBD315RC (SBD 315, SDD 315, 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
VADSB0	VD300	[LED] 0 - 300VA - Turn
VADSB0	LDN200	0-200W,LED
VADSB0	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC ] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	[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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC ] 180W
MK - Electric	K4500 WHILV	[RLC ] 400W
NIKO	310-0280X	[LED] 2 -100 VA
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 ~ 100 VA-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 LED spot VLE D 3.7-35W GU10 927 36D 9290029794			MAS LED spot VLE DT 3.7-35W GU10 927 36D 9290029797			MAS LED spot VLE D 4.8-50W GU10 927 36D 9290029801		
MAS LED spot VLE D 3.7-35W GU10 927 60D 9290029798								
MAS LED spot VLE D 3.7-35W GU10 930 60D 9290029799								
								
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 bellow
	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC ] 180W
MK - Electric	K4500 WHILV	[RLC ] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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 LED spot VLE D 3.7-35W GU10 930 36D 9290013483			CorePro LEDspot 4-50W GU10 840 36D DIM 9290020658			CorePro LEDspot 3-35W GU10 840 36D DIM 9290020656		
MAS LED spot VLE D 3.7-35W GU10 940 36D 9290013484			CorePro LEDspot 4-50W GU10 830 36D DIM 9290020683			CorePro LEDspot 3-35W GU10 830 36D DIM 9290020682		
MAS LED spot VLE D 3.7-35W GU10 940 60D 9290013487			CorePro LEDspot 4-50W GU10 827 36D DIM 9290024959			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	69% - 1%		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 bellow
	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								
			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		
											
Brand	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker   INSTA	286710	[RC] 20 ~ 360 W - Turn	1-20	100%-7%		1-20	98%-0%		1-15	100%-0%	
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn	1-20	100%-0%		1-20	100%-0%		1-15	99%-0%	
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast	1-20	100%-1%		1-20	95%-0%		1-20	99%-1%	
Busch Jaeger   ABB	2250 U	[R] 60 ~ 600 W - Turn	1-20	100%-8%		1-20	97%-0%		1-20	100%-0%	
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn	1-20	100%-0%		1-20	100%-0%		1-20	98%-0%	
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn	1-20	100%-8%		1-20	99%-0%		1-20	100%-0%	
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)	1-20	100%-0%		1-20	98%-0%		1-20	100%-0%	
Busch Jaeger   ABB	6523 U-102	[LED, R, L, C] 2 - 100W - Turn- Leading	1-20	100%-2%		1-20	99%-0%		1-20	99%-2%	
Busch Jaeger   ABB	6523 U-102	[LED, R, L, C] 2 - 100W - Turn- Trailing	1-20	100%-0%		1-20	99%-0%		1-20	99%-2%	
Busch Jaeger   ABB	6523 UR-103	[LED, R, L, C] 2 - 400W - Turn- Leading	1-20	100%-0%		1-20	95%-0%		1-20	100%-0%	
Busch Jaeger   ABB	6523 UR-103	[LED, R, L, C] 2 - 400W - Turn- Trailing	1-20	100%-0%		1-20	95%-0%		1-20	100%-0%	
ELKO   EKO	EKO07-146/-147/-148/-149/-150/EKO30195	0-200W,LED,Trailing	1-20	99%-0%		1-20	90%-0%		1-20	99%-0%	
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-20	100%-8%		1-20	97%-0%		1-20	99%-0%	
ELKO   Schneider	SBD315RC (315 GLE)	[RC] 315W	1-20	100%-1%		1-20	98%-0%		1-15	99%-1%	
SE LK   Schneider	LK FUGA LED-S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider	1-20	100%-8%		1-20	96%-0%		1-20	95%-0%	
SE LK   Schneider	LK OPUS 66 LED-S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider	1-20	100%-8%		1-20	96%-0%		1-20	95%-0%	
Eltako	EVD61NPN-UC	400W 3-wire Push Module	1-20	100%-0%		1-20	98%-0%		1-20	100%-0%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Leading	1-20	100%-0%		1-20	95%-0%		1-20	91%-0%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Trailing	1-20	100%-0%		1-20	95%-0%		1-20	99%-0%	
Eltako	DL-PD-300W-RLC (33000009) Universal +Dynalite DDBC120-DALI	10-300W, LED, Trailing	1-20	100%-0%		1-20	100%-0%		1-20	100%-0%	
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-20	100%-8%		1-20	97%-0%		1-20	99%-0%	
Feller   Schneider	40300 (SBD315)	[RLC] 300W	1-20	100%-1%		1-20	98%-0%		1-15	100%-1%	
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-5	100%-8%		1-5	97%-0%		1-5	95%-0%	
Gira	1176-00/01	[RLC] 50 ~ 420W	1-20	100%-8%		1-20	97%-0%		1-20	99%-0%	
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W- Tast	1-20	100%-6%		1-20	97%-0%		1-20	99%-0%	
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn	1-20	100%-1%			N.A.	N.A.		N.A.	N.A.
Hamilton	LEDIT-B100	5-100W,LED,Trailing	1-20	100%-0%			N.A.	N.A.		N.A.	N.A.
Hamilton	LEDIT-B100	5-100W,LED, Leading	1-20	100%-0%			N.A.	N.A.		N.A.	N.A.
Hager	EVN 011	[RC] 300VA	1-20	100%-8%		1-20	100%-0%		1-15	99%-0%	
Hager	EVN 012	[RC] 300W	1-20	100%-0%		1-20	99%-0%		1-20	99%-0%	
Hager	EVN 004	[RL] 500VA	1-20	100%-0%		1-20	100%-0%		1-20	100%-0%	
Jung	1271LEDDE	[LED] 3 ~ 100W - Push (3wire)	1-20	100%-4%		1-20	100%-0%		1-20	100%-0%	
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W- Tast	1-20	100%-6%		1-20	97%-0%		1-20	99%-0%	
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn	1-20	100%-6%		1-20	100%-0%		1-15	99%-0%	
Klik aan Klik uit	AWMD-250	[LED] 3~ 24W	1-8	100%-8%		1-8	97%-0%		1-5	99%-0%	
Legrand	67083	[RLC] 3 ~ 400W	1-20	100%-1%		1-20	91%-0%		1-20	89%-1%	
Legrand	L4402N	[R] 60~500W	1-20	100%-0%			N.A.	N.A.		N.A.	N.A.
Merten   Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-20	100%-7%		1-20	97%-0%		1-20	99%-0%	
Merten   Schneider	SBD315RC (MEG5136-0000)	[RC] 315W	1-20	100%-1%		1-20	98%-0%		1-15	99%-1%	
Merten   Schneider	MEG5300-0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-5	100%-8%		1-5	97%-0%		1-5	95%-0%	
MK - Electric	K1535	[R ] 65 ~ 450 W - Turn	1-20	86%-8%		1-20	86%-9%		1-20	94%-7%	
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn	1-20	100%-8%		1-20	86%-1%		1-20	100%-10%	
MK - Electric	K4501 WHILV	[RLC] 180W	1-10	100%-8%		1-20	98%-0%		1-10	100%-10%	
MK - Electric	K4500 WHILV	[RLC] 400W	1-20	99%-8%		5-20	88%-1%		1-20	85%-3%	
NIKO	310-0280X	[LED] 2 ~100 VA	1-20	100%-5%		1-20	100%-0%		1-20	100%-0%	
Niko	310-02901	[LED, R, L, C] 3 - 200W - Tast	1-20	100%-7%		1-20	98%-0%		1-20	99%-0%	
Niko	310-03901	[LED, R, L, C] 3 - 200W - Turn	1-20	100%-7%		1-20	98%-0%		1-20	99%-0%	
Osram	HALOTRONIC HTI DALI 315 DIM+ Dynalite DDBC120-DALI	3W-200W, LED,Trailing	1-20	100%-0%		1-20	100%-0%		1-20	99%-0%	
PEHA	431HAN	[RL] 6~120W [LED] 6~60W	1-10	100%-8%		1-20	100%-0%		1-15	100%-0%	
Philips	UID8670	[LED] 2 ~ 100 VA-LED - Push (3wire)	1-20	100%-8%		1-20	99%-0%		1-20	100%-0%	
RELCO	RP0977	[LED] 4-100W	1-20	100%-0%		1-20	98%-0%		1-20	100%-0%	
RELCO	RM0545	[LED] 4-100W	1-20	100%-0%		1-20	99%-0%		1-20	96%-0%	
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W	1-20	100%-1%		2-20	98%-0%		1-15	99%-1%	
Schneider	SBD200 (WDE 002299)	[ ] 4~400VA - Turn Universal (2wire)	1-20	100%-8%		1-20	97%-0%		1-20	99%-0%	
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-5	100%-8%		1-5	97%-0%		1-5	95%-0%	
Schneider	WDE006910/WDE002306	0-200W,LED,Trailing	1-20	100%-0%		1-20	90%-0%		1-20	99%-0%	
VADSBO	VD300	[LED] 0 - 300VA - Turn	1-20	100%-0%		1-20	99%-0%		1-20	99%-0%	
VADSBO	LDN200	0-200W,LED	1-20	100%-0%		1-20	97%-0%		1-20	99%-0%	
VADSBO	VD200	[RLC] LEDs from 1-200VA, Trailing	1-20	100%-0%		1-20	100%-0%		1-20	99%-0%	
Varilight	HQ3W	[R] 60-400W	1-20	100%-8%		1-20	99%-3%		1-20	97%-1%	
Varilight	MJP120	0-120W,LED	1-20	100%-0%			N.A.	N.A.		N.A.	N.A.
Varilight	JQP401W	0-120W,LED	1-20	100%-0%			N.A.	N.A.		N.A.	N.A.
Vimar	20148	[RL] 500W	1-20	100%-8%		1-20	100%-0%		1-20	96%-0%	
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast	1-20	100%-8%		1-20	100%-0%		1-20	100%-0%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading	1-20	100%-0%		1-20	99%-0%		1-20	100%-0%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing	1-20	100%-0%		1-20	99%-0%		1-20	100%-0%	
Philips Dynalite	DDLE801	(100W per channel)	1-20	100%-0%		1-20	100%-0%		1-20	100%-0%	
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-leading	1-20	100%-0%		1-20	100%-0%		1-20	100%-0%	
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-Trailing	1-20	100%-0%		1-20	100%-0%		1-20	100%-0%	
Zano	ZMO150	0W-150W, LED,Rot	1-20	100%-0%		1-20	95%-0%		1-20	99%-0%	
Hager	WH104302	[LED, R, L, C] 3-90W LED	1-20	100%-2%			N.A.	N.A.		N.A.	N.A.
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED	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 bellow
	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								
			MAS LED spot VLE D 3.7-50W GU10 927 60D 9290042482			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 3.7-50W GU10 930 60D 9290042483						MAS LED spot VLE D 5.5-80W GU10 965 36D 9290042561		
			MAS LED spot VLE D 3.7-50W GU10 940 60D 9290042484						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		
											
Brand	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker   INSTA	286710	[RC] 20 ~ 360 W - Turn	1-10	97%-0%		1-13	100%-6%		1-12	100%-0%	
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn		N.A.	N.A.	1-11	100%-5%		1-10	100%-0%	
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast	1-10	96%-0%		1-14	100%-3%		1-13	100%-0%	
Busch Jaeger   ABB	2250 U	[R] 60 ~ 600 W - Turn	1-10	96%-0%		2-20	100%-3%		1-20	82%-0%	
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn	1-10	98%-0%		1-20	100%-6%		2-20	100%-5%	
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn	1-10	96%-0%		1-18	100%-0%		1-17	100%-0%	
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)	1-10	95%-0%		1-18	100%-0%		1-17	100%-0%	
Busch Jaeger   ABB	6523 U-102	[LED, R, L, C] 2 - 100W - Turn- Leading	1-10	96%-0%		1-18	100%-2%		1-17	100%-0%	
Busch Jaeger   ABB	6523 U-102	[LED, R, L, C] 2 - 100W - Turn- Trailing	1-10	96%-0%		1-18	100%-3%		1-17	100%-0%	
Busch Jaeger   ABB	6523 UR-103	[LED, R, L, C] 2 - 400W - Turn- Leading	1-10	96%-0%		1-20	100%-2%		1-20	100%-0%	
Busch Jaeger   ABB	6523 UR-103	[LED, R, L, C] 2 - 400W - Turn- Trailing	1-10	96%-0%		1-20	100%-1%		1-20	100%-0%	
ELKO   EKO	EKO07-146/-147/-148/-149/-150/EKO30195	0-200W,LED,Trailing	1-10	97%-0%		1-20	100%-6%		3-20	100%-0%	
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-10	97%-0%		1-15	100%-6%		1-14	100%-0%	
ELKO   Schneider	SBD315RC (315 GLE)	[RC] 315W	1-10	96%-0%		1-11	100%-4%		1-11	100%-0%	
SE LK   Schneider	LK FUGA LED-S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider	1-10	96%-0%		1-20	100%-5%		1-20	100%-0%	
SE LK   Schneider	LK OPUS 66 LED-S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider	1-10	97%-0%		1-20	100%-5%		1-20	100%-0%	
Eltako	EVD61NPN-UC	400W 3-wire Push Module	1-10	97%-0%		1-15	100%-0%		1-14	100%-0%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Leading	1-10	97%-0%		1-20	100%-2%		1-20	100%-0%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Trailing	1-10	96%-0%		1-20	100%-2%		1-20	100%-0%	
Eltako	DL-PD-300W-RLC (33000009) Universal +Dynalite DDBC120-DALI	10-300W, LED, Trailing	1-10	97%-0%		1-20	100%-0%		1-20	100%-0%	
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-10	97%-0%		1-15	100%-6%		1-14	100%-0%	
Feller   Schneider	40300 (SBD315)	[RLC] 300W	1-10	96%-0%		1-11	100%-4%		1-11	100%-0%	
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-5	96%-0%		1-4	100%-5%		1-3	100%-0%	
Gira	1176-00/01	[RLC] 50 ~ 420W	1-10	97%-0%		1-15	100%-9%		2-10	100%-5%	
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W- Tast	1-10	96%-0%		1-18	100%-4%		1-17	100%-0%	
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn		N.A.	N.A.	1-11	100%-3%		1-10	100%-0%	
Hamilton	LEDIT-B100	5-100W,LED, Trailing	1-10	96%-0%		1-18	100%-2%		1-17	100%-0%	
Hamilton	LEDIT-B100	5-100W,LED, Leading	1-10	97%-0%		1-18	100%-2%		1-17	100%-0%	
Hager	EVN 011	[RC] 300VA	1-10	96%-0%		1-11	100%-4%		1-10	100%-0%	
Hager	EVN 012	[RC] 300W	1-10	97%-0%		1-18	100%-1%		1-17	100%-0%	
Hager	EVN 004	[RL] 500VA	1-10	97%-0%		1-18	100%-1%		1-17	100%-0%	
Jung	1271LEDDE	[LED] 3 ~ 100W - Push (3wire)	1-10	96%-0%		1-18	100%-3%		1-17	100%-0%	
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W- Tast	1-10	96%-0%		1-18	100%-4%		1-17	100%-0%	
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn		N.A.	N.A.	1-11	100%-3%		1-10	100%-0%	
Klik aan Klik uit	AWMD-250	[LED] 3~ 24W		N.A.	N.A.	1-4	100%-7%		1-4	100%-4%	
Legrand	67083	[RLC] 3 ~ 400W	1-10	97%-0%		1-15	100%-1%		1-14	100%-0%	
Legrand	L4402N	[R] 60~500W		N.A.	N.A.	2-18	100%-9%		2-17	100%-3%	
Merten   Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-10	97%-0%		1-15	100%-6%		1-14	100%-0%	
Merten   Schneider	SBD315RC (MEG5136-0000)	[RC] 315W	1-10	96%-0%		1-11	100%-4%		1-11	100%-0%	
Merten   Schneider	MEG5300-0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-5	96%-0%		1-4	100%-5%		1-3	100%-0%	
MK - Electric	K1535	[R ] 65 ~ 450 W - Turn	1-10	97%-3%			N.A.	N.A.		N.A.	N.A.
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn	1-10	97%-0%		1-15	100%-3%		1-17	100%-0%	
MK - Electric	K4501 WHILV	[RLC] 180W		N.A.	N.A.	1-7	100%-6%		1-6	100%-0%	
MK - Electric	K4500 WHILV	[RLC] 400W	1-10	96%-0%		1-15	100%-6%		1-14	100%-0%	
NIKO	310-0280X	[LED] 2 ~100 VA	1-10	96%-0%		1-18	100%-1%		1-17	100%-0%	
Niko	310-02901	[LED, R, L, C] 3 - 200W - Tast	1-10	97%-0%		1-20	100%-1%		1-20	100%-0%	
Niko	310-03901	[LED, R, L, C] 3 - 200W - Turn	1-10	97%-0%		1-20	100%-1%		1-20	100%-0%	
Osram	HALOTRONIC HTI DALI 315 DIM+ Dynalite DDBC120-DALI	3W-200W, LED,Trailing	1-10	96%-0%		1-20	100%-4%		1-20	100%-0%	
PEHA	431HAN	[RL] 6~120W [LED] 6~60W	1-10	97%-0%		1-11	85%-5%		1-10	100%-0%	
Philips	UID8670	[LED] 2 ~ 100 VA-LED - Push (3wire)	1-10	96%-0%		1-18	100%-0%		1-17	100%-0%	
RELCO	RP0977	[LED] 4-100W	1-10	96%-0%		1-6	100%-6%		1-5	100%-0%	
RELCO	RM0545	[LED] 4-100W	1-10	92%-0%		1-18	100%-3%		1-17	100%-0%	
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W	1-10	96%-0%		1-11	100%-4%		1-11	100%-0%	
Schneider	SBD200 (WDE 002299)	[ ] 4~400VA - Turn Universal (2wire)	1-10	97%-0%		1-15	100%-6%		1-14	100%-0%	
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-5	96%-0%		1-4	100%-5%		1-3	100%-0%	
Schneider	WDE006910/WDE002306	0-200W,LED,Trailing	1-10	97%-0%		1-20	100%-6%		3-20	100%-0%	
VADSBO	VD300	[LED] 0 - 300VA - Turn	1-10	97%-0%		1-20	100%-0%		1-15	100%-0%	
VADSBO	LDN200	0-200W,LED	1-10	96%-0%		1-20	100%-0%		1-20	100%-0%	
VADSBO	VD200	[RLC] LEDs from 1-200VA, Trailing	1-10	96%-0%			N.A.	N.A.		N.A.	N.A.
Varilight	HQ3W	[R] 60-400W	1-10	95%-1%			N.A.	N.A.		N.A.	N.A.
Varilight	MJP120	0-120W,LED		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Varilight	JQP401W	0-120W,LED		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Vimar	20148	[RL] 500W		N.A.	N.A.	1-18	100%-4%		1-17	100%-0%	
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast	1-10	96%-0%		1-20	100%-6%		1-20	100%-0%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading	1-10	97%-0%		1-20	100%-1%		1-20	100%-0%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing	1-10	95%-0%		1-20	100%-2%		1-20	100%-0%	
Philips Dynalite	DDLE801	(100W per channel)	1-10	97%-0%		1-18	100%-0%		1-17	100%-0%	
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-leading	1-10	96%-0%		1-18	100%-0%		3-17	100%-0%	
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-Trailing	1-10	97%-0%		1-18	100%-0%		1-17	100%-0%	
Zano	ZMO150	0W-150W, LED,Rot	1-10	95%-0%		1-20	100%-0%		1-20	100%-0%	
Hager	WH104302	[LED, R, L, C] 3-90W LED				1-16	100%-3%		1-16	100%-0%	
Jung   INSTA	1731DD	[LED, R, L, C] 3 - 400W - LED				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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 1400W
NIKO	310-0280X	[LED] 2~100 VA
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 ~ 100 VA-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 LED spot VLEDT3.7-50W GU10 927 36DUK 9290042472			MAS LEDspot UE 2.1-50W GU10 DIM 827 EELA 9290037959			CorePro LEDspot 4.8-50W GU10 3CCT 36DDIM 9290042210		
MAS LED spot VLE DT 3.7-50W GU10 927 36D 9290042472			MAS LEDspot UE 2.1-50W GU10 DIM 830 EELA 9290037960					
			MAS LEDspot UE 2.1-50W GU10 DIM 840 EELA 9290037961					
								
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.
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%	
1-5	100%-8%		1-10	99%-0%		1-3	100%-7%	
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	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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								
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	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%			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 bellow
	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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2-100 VA
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 ~ 100 VA-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								
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%	
1-20	99%-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%							
1-15	99%-0%		1-15	97% - 0%		1-15	97% - 0%	
1-20	99%-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%-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
	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								
			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		
											
Brand	Type	Load	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker   INSTA	286710	[RC ] 20 ~ 360 W - Turn	1-5	98% - 0%		1-8	94% - 0%		1-10	98% - 0%	
Berker   INSTA	2973	[LED, R, L, C] 3 - 60W - Turn	1-5	99% - 0%		N.A.	N.A.			N.A.	N.A.
Bticino   Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast	1-5	98% - 0%		1-8	94% - 0%		1-10	98% - 0%	
Busch Jaeger   ABB	2250 U	[R ] 60 ~ 600 W - Turn	1-10	98% - 0%		1-10	94% - 0%		1-20	98% - 0%	
Busch Jaeger   ABB	6513 U - 102	[RC ] 40 ~ 420 W - Turn	1-10	98% - 0%		1-10	93% - 0%		1-20	98% - 0%	
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn	1-8	98% - 0%		1-10	96% - 0%		1-15	98% - 0%	
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)	1-8	100% - 0%		1-11	99% - 0%		1-20	99% - 0%	
Busch Jaeger   ABB	6523 U-102	[LED, R, L,C] 2 - 100W - Turn- Leading	1-8	99% - 0%		1-10	97% - 0%		1-15	99% - 0%	
Busch Jaeger   ABB	6523 U-102	[LED, R, L,C] 2 - 100W - Turn- Trailing	1-8	99% - 0%		1-10	97% - 0%		1-15	98% - 0%	
Busch Jaeger   ABB	6523 UR-103	[LED, R, L,C] 2 - 400W - Turn- Leading	1-10	99% - 0%		1-20	95% - 0%		1-20	98% - 0%	
Busch Jaeger   ABB	6523 UR-103	[LED, R, L,C] 2 - 400W - Turn- Trailing	1-10	99% - 0%		1-20	95% - 0%		1-20	98% - 0%	
ELKO   EKO	EKO07-146/-147/-148/-149/-150/EKO30195	0-200W,LED,Trailing	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
ELKO   Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
ELKO   Schneider	SBD315RC (315 GLE)	[RC ] 315W	1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
SE LK   Schneider	LK FUGA LED-S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider	1-10	99% - 0%		1-10	94% - 0%		1-20	98% - 0%	
SE LK   Schneider	LK OPUS 66 LED-S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider	1-10	99% - 0%		1-10	94% - 0%		1-20	98% - 0%	
Eltako	EVD61NPN-UC	400W 3-wire Push Module	1-5	98% - 0%		1-8	95% - 0%		1-10	98% - 0%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Leading	1-10	97% - 0%		1-20	93% - 0%		2-20	98% - 14%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Trailing	1-10	97% - 0%		1-20	93% - 0%		1-20	98% - 0%	
Eltako	DL-PD-300W-RLC (33000009) Universal +Dynalite DDBC120-DALI	10-300W, LED, Trailing	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
Feller   Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
Feller   Schneider	40300 (SBD315)	[RLC ] 300W	1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
Feller   Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
Gira	1176-00/01	[RLC ] 50 ~ 420W	1-5	99% - 7%		2-8	91% - 0%		1-10	98% - 6%	
Gira   INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast	1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
Gira   INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn	1-18	99% - 0%		1-20	98% - 0%		1-20	100% - 0%	
Hamilton	LEDIT-B100	5-100W,LED, Trailing	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
Hamilton	LEDIT-B100	5-100W,LED, Leading				1-20	98% - 0%		1-20	100% - 0%	
Hager	EVN 011	[RC ] 300VA	1-5	98% - 0%		1-5	94% - 0%		1-10	99% - 0%	
Hager	EVN 012	[RC ] 300W	1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
Hager	EVN 004	[RL ] 500VA	2-8	98% - 14%		1-10	94% - 0%		1-15	98% - 0%	
Jung	1271LEDDE	[LED] 3 ~ 100W - Push (3wire)	1-8	97% - 0%		1-10	94% - 0%		1-15	98% - 0%	
Jung   INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast	1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
Jung   INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn	1-5	99% - 0%		N.A.	N.A.			N.A.	N.A.
Klik aan Klik uit	AWMD-250	[LED] 3~ 24W	1-2	83% - 3%		1-3	94% - 0%		1-3	99% - 0%	
Legrand	67083	[RLC ] 3 ~ 400W	1-5	98% - 0%		1-8	95% - 0%		1-10	98% - 0%	
Legrand	L4402N	[R ] 60~500W	1-8	97% - 0%		1	93% - 1%		1	98% - 1%	
Merten   Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
Merten   Schneider	SBD315RC (MEG5136-0000)	[RC ] 315W	1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
Merten   Schneider	MEG5300-0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
MK - Electric	K1535	[R ] 65 ~ 450 W - Turn	1-5	98% - 0%		1-8	93% - 1%		1-15	99% - 0%	
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn	1-8	97% - 0%		N.A.	N.A.			N.A.	N.A.
MK - Electric	K4501 WHILV	[RLC ] 180W	1-3	98% - 2%		1-20	98% - 0%		1-20	100% - 0%	
MK - Electric	K4500 WHILV	[RLC ] 400W	1-6	100% - 0%		1-8	99% - 0%		2-12	97% - 0%	
NIKO	310-0280X	[LED] 2 -100 VA	1-8	97% - 0%		1-10	96% - 5%		2-5	98% - 23%	
Niko	310-02901	[LED, R, L, C] 3 - 200W - Tast	1-8	100% - 0%		1-20	95% - 0%		1-15	98% - 0%	
Niko	310-03901	[LED, R, L, C] 3 - 200W - Turn	1-8	100% - 0%		1-20	95% - 0%		1-15	98% - 0%	
Osram	HALOTRONIC HTI DALI 315 DIM+ Dynalite DDBC120-DALI	3W-200W, LED,Trailing	1-8	98% - 0%		1-13	99% - 0%		1-20	100% - 0%	
PEHA	431HAN	[RL] 6~120W [LED] 6~60W	1-5	98% - 0%		1-5	94% - 0%		2-15	98% - 11%	
Philips	UID8670	[LED] 2 ~ 100 VA-LED - Push (3wire)	1-8	98% - 0%		N.A.	N.A.		1-15	98% - 0%	
RELCO	RP0977	[LED] 4-100W	1-8	100% - 0%		1-15	98% - 0%		1-20	98% - 0%	
RELCO	RM0545	[LED] 4-100W	1-8	97% - 2%		1-10	93% - 0%		1-15	99% - 0%	
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC ] 315W	1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
Schneider	SBD200 (WDE 002299)	[ ] 4~400VA - Turn Universal (2wire)	1-6	100% - 0%		1-8	99% - 0%		1-13	100% - 0%	
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
Schneider	WDE006910/WDE002306	0-200W,LED,Trailing	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
VADSBO	VD300	[LED] 0 - 300VA - Turn	1-5	97% - 0%		1-6	95% - 0%		1-10	99% - 0%	
VADSBO	LDN200	0-200W,LED	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
VADSBO	VD200	[RLC] LEDs from 1-200VA, Trailing	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
Varilight	HQ3W	[R ] 60-400W	1-5	98% - 0%		1-8	92% - 0%		1-10	99% - 0%	
Varilight	MJP120	0-120W,LED	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
Varilight	JQP401W	0-120W,LED	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
Vimar	20148	[RL ] 500W	1-5	98% - 0%		1-8	94% - 0%		1-15	98% - 0%	
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast	1-5	97% - 6%		1-20	95% - 2%		1-20	98% - 3%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading	1-10	98% - 4%		1-20	93% - 0%		1-20	98% - 0%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing	1-10	97% - 5%		1-20	93% - 0%		1-20	98% - 0%	
Philips Dynalite	DDLE801	(100W per channel)	1-4	99% - 0%		1-5	99% - 0%		1-8	99% - 0%	
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-leading		N.A.	N.A.	5-10	100% - 0%			N.A.	N.A.
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-Trailing	3-7	100% - 0%		5-10	100% - 0%		5-15	99% - 0%	
Zano	ZMO150	0W-150W, LED, Rot	1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
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 ~ 360 W - 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 ~ 600 W - Turn
Busch Jaeger   ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn
Busch Jaeger   ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn
Busch Jaeger   ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)
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	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 ~ 450 W - Turn
MK - Electric	K1501 WHILV	[R ] 60 ~ 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 ~100 VA
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 ~ 100 VA-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								
CoreProLED linearD 17.5-150W R7S 118 830 9290020166  CoreProLED linearD 17.5-150W R7S 118 840 9290020167			CorePro LED linear D 14-120W R7S 118 830 9290013536  CorePro LED linear D 14-120W R7S 118 840 9290013537			CorePro R7S 118mm 14-100W 830 D 9290012437  CorePro R7S 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

- 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.
  - a. 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.
  - b. 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 litimited conditions. Signify reserves the rights to the final explanation.

