

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 – 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 – 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 – 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 – 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 – 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 – 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 – 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 – 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 – 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal	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	127ILEDDE	[LED] 3 – 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK - Electric	K1535	[R] 65 – 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 – 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 – 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Bulb								
LED classic 40W A60 E27 CL WGD90 SRT4 9290030099			LED classic 60W A60 E27 CL WGD90 SRT4 9290030103			LED classic 75W A60 E27 FR WGD90 SRT4 9290030113		
LED classic 40W A60 E27 FR WGD90 SRT4 9290030100			LED classic 60W A60 E27 FR WGD90 SRT4 9290030104			LED classic 75W A60 B22 FR WGD90 SRT4 9290030114		
LED classic 40W A60 B22 CL WGD90 SRT4 9290030101			LED classic 60W A60 B22 CL WGD90 SRT4 9290030105					
LED classic 40W A60 B22 FR WGD90 SRT4 9290030102			LED classic 60W A60 B22 FR WGD90 SRT4 9290030106					
			LED classic 60W ST64 E27 CL WGD90 SRT4 9290030107					
			LED classic 60W ST64 B22 CL WGD90 SRT4 9290030108					
			LED classic 60W G93 E27 CL WGD90 1PF/4 9290030109					
			LED classic 60W G93 B22 CL WGD90 1PF/4 9290030110					
			LED classic 60W A60 B22 CL WGD90 SRT4 UK 9290030105					
			LED classic 60W A60 E27 CL WGD90 SRT4 UK 9290030103					
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%	
1-10	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%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W – Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eitako	EVD61NPN – UC	400W 3 – wire Push Module
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eitako	DL – PD – 300W – RLC (33000009) Universal	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	127ILEDDE	[LED] 3 – 100W – Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3– 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 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	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Bulb								
LED classic 100W A60 E27 CL WGD90 SRT4 9290030115 LED classic 100W A60 E27 FR WGD90 SRT4 9290030117			COOP LEDCLA 60W E27 WW A60 FR DIM 1PF/6 9290019937 LED classic 60W ST64 E27 WW CL D 1PF/4 9290023908			LED classic CM 50W A60 E27 WW CL D SRT4 9290024128 LED classic 50W G120 E27 WW CM D RF 9290024129		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-7	97% - 16%		1-10	100% - 0%		1-10	100% - 0%	
1-6	97% - 7%		1-10	97% - 0%		1-10	100% - 0%	
1-7	97% - 4%		1-10	100% - 0%		1-10	100% - 0%	
1-11	97% - 0%		2-10	99% - 0%		2-10	100% - 0%	
1-11	98% - 15%		1-10	99% - 0%		1-10	100% - 0%	
1-10	98% - 3%		1-10	99% - 0%		1-10	100% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-10	97% - 10%		1-10	100% - 0%		1-10	100% - 0%	
1-10	97% - 3%		2-10	98% - 0%		1-10	100% - 0%	
1-15	97% - 0%		1-10	99% - 0%		1-10	100% - 0%	
1-20	97% - 0%		2-10	96% - 0%		1-10	100% - 0%	
1-3	99% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-8	96% - 13%		1-10	99% - 0%		1-10	100% - 0%	
1-6	97% - 4%		1-10	99% - 0%		1-10	100% - 0%	
1-11	97% - 12%		1-10	100% - 0%		1-10	100% - 0%	
1-11	97% - 12%		1-10	100% - 0%		1-10	100% - 0%	
1-8	98% - 0%		1-10	99% - 0%		1-10	100% - 0%	
2-10	97% - 8%		1-10	100% - 0%		1-10	100% - 0%	
1-19	97% - 0%		1-10	96% - 0%		1-10	100% - 0%	
1-3	100% - 4%		1-3	89%-0%		1-3	100% - 0%	
1-8	96% - 13%		1-10	99% - 0%		1-10	100% - 0%	
1-6	97% - 4%		1-10	100% - 0%		1-10	100% - 0%	
1-2	97% - 12%		1-3	100% - 0%		1-3	100% - 0%	
1-8	97% - 18%			N.A.	N.A.	1-10	100% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	100% - 0%	
1-6	97% - 7%		1-10	97% - 0%		1-10	100% - 0%	
1-3	97% - 0%		1-3	100% - 0%		1-3	98% - 0%	
1-6	97% - 7%							
1-10	98% - 23%		1-10	100% - 0%		1-10	100% - 0%	
1-10	100% - 9%		1-10	97% - 0%		1-10	100% - 0%	
1-8	99% - 0%		1-10	97% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	100% - 0%	
1-6	97% - 7%		1-10	97% - 0%		1-10	100% - 0%	
1-2	96% - 21%		1-4	100% - 0%		1-4	100% - 0%	
1-8	98% - 4%		1-10	100% - 0%		1-10	100% - 0%	
2-10	99% - 37%			N.A.	N.A.	1-10	100% - 0%	
1-8	96% - 13%		1-10	99% - 0%		1-10	100% - 0%	
1-6	97% - 4%		1-10	99% - 0%		1-10	100% - 0%	
1-2	97% - 12%		1-3	100% - 0%		1-3	100% - 0%	
1-9	98% - 11%		1-10	99% - 0%		2-10	100% - 0%	
1-10	98% - 12%		1-10	99% - 0%		1-10	100% - 0%	
1-3	98% - 7%		1-6	98% - 0%		1-6	100% - 0%	
1-8	98% - 15%		1-10	99% - 0%		1-10	100% - 0%	
1-10	97% - 2%		1-10	99% - 0%		1-10	100% - 0%	
1-19	96% - 1%		1-10	99% - 0%		1-10	100% - 0%	
1-19	96% - 1%		1-10	99% - 0%		1-10	100% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-6	97% - 0%			N.A.	N.A.	1-10	100% - 0%	
1-10	98% - 3%		1-10	99% - 0%		1-10	100% - 0%	
	N.A.	N.A.	1-10	99% - 2%		1-10	100% - 2%	
1	96% - 8%		1-10	100% - 0%		1-10	100% - 0%	
1-6	97% - 4%		1-10	99% - 0%		1-10	100% - 0%	
1-8	96% - 13%		1-10	99% - 0%		1-10	100% - 0%	
1-2	97% - 12%		1-3	100% - 0%		1-3	100% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-6	83% - 1%		1-10	100% - 0%		1-10	100% - 0%	
1-3	99% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-3	99% - 0%		1-3	100% - 0%		1-3	97% - 0%	
1-8	99% - 14%		2-10	100% - 0%		1-10	100% - 0%	
1-3	56% - 0%		1-3	54%-0%		1-3	76% - 0%	
1-3	64% - 0%		1-3	58%-0%		1-3	68% - 0%	
1-10	97% - 18%		1-10	98% - 0%		1-10	100% - 0%	
1-19	99% - 22%		1-10	96% - 0%		1-10	100% - 0%	
1-19	98% - 2%		1-10	95% - 0%		1-10	100% - 0%	
1-19	97% - 2%		1-10	96% - 0%		1-10	100% - 0%	
1-4	99% - 0%		1-8	100% - 0%		1-8	96% - 0%	
2-3	99% - 0%		3-10	100% - 0%		3-10	97% - 0%	
1-9	99% - 0%		1-10	100% - 0%		2-10	98% - 0%	
1-3	93% - 0%		1-3	100% - 0%		1-3	99% - 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 – 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 – 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 – 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 – 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 – 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 – 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 – 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 – 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 – 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal	10-300W, LED, Trailing
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300W
Feller Schneider	40200. LED. EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 – 420W
Gira INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W - Tast
Gira INSTA	2450 00	[LED, R, L, C] 3 – 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK - Electric	K1535	[R] 65 – 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 – 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 – 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Bulb					
LEDCLA 40W ST64 E27 922 GOLD SP 1PF/4 9290030617 LEDCLA 40W G80 E27 922 GOLD D 2PF/4 9290030612 LEDCLA 40W ST64 E27 922 GOLD D 2PF/4 9290030615 LED classic 40W B35 B22 WW FR D 1PF/4 9290023910			LED 50W A60 E27 AMBER WGD SP 9290038069 LED 50W ST64 E27 AMBER WGD SP 9290038070 LED 50W G95 E27 AMBER WGD SP 9290038071		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	99% - 0%		1-10	99% - 0%	
1-10	97% - 0%		1-9	99% - 0%	
1-10	100% - 0%		1-11	100% - 0%	
2-10	100% - 0%		1-17	100% - 0%	
1-10	99% - 0%		1-17	100% - 0%	
1-10	100% - 0%		1-14	99% - 0%	
1-10	97% - 0%		1-14	92% - 0%	
1-10	99% - 0%		1-14	99% - 0%	
1-10	99% - 0%		1-14	99% - 0%	
1-10	100% - 0%		1-20	99% - 0%	
1-10	100% - 0%		1-20	100% - 0%	
1-3	99% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-11	100% - 0%	
1-10	99% - 0%		1-9	99% - 0%	
1-10	99% - 0%		1-17	99% - 0%	
1-10	99% - 0%		1-17	99% - 0%	
1-10	100% - 0%		1-11	99% - 0%	
1-10	96% - 0%		1-20	99% - 0%	
1-10	96% - 0%		1-20	99% - 0%	
1-3	99% - 0%		1-20	99% - 0%	
1-10	97% - 0%		1-11	100% - 0%	
1-10	99% - 0%		1-9	99% - 0%	
1-6	100% - 0%		1-3	100% - 0%	
1-10	98% - 0%		1-12	100% - 0%	
1-10	98% - 0%		1-14	99% - 0%	
1-10	97% - 0%		1-9	99% - 0%	
1-3	99% - 0%		1-14	99% - 0%	
1-10	98% - 0%		1-9	100% - 0%	
1-10	N.A.	N.A.	1-14	99% - 0%	
1-10	98% - 0%		1-14	100% - 0%	
1-10	97% - 0%		1-14	100% - 0%	
1-10	98% - 0%		1-14	99% - 0%	
1-10	97% - 0%		1-9	99% - 0%	
1-7	100% - 0%		1-3	99% - 0%	
1-10	99% - 0%		1-11	100% - 0%	
1-10	99% - 0%		1-14	99% - 0%	
1-10	99% - 0%		1-11	100% - 0%	
1-10	99% - 0%		1-13	99% - 0%	
1-10	99% - 0%		1-14	99% - 0%	
1-10	100% - 0%		1-5	99% - 0%	
1-10	99% - 0%		1-11	99% - 0%	
1-10	99% - 0%		1-14	99% - 0%	
1-10	99% - 0%		1-20	99% - 0%	
1-10	99% - 0%		1-20	99% - 0%	
1-3	98% - 0%		1-20	100% - 0%	
1-10	99% - 0%		1-9	98% - 0%	
1-10	100% - 0%		1-14	99% - 0%	
1-10	98% - 2%		1-14	99% - 0%	
1-10	100% - 0%		1-14	99% - 0%	
1-10	99% - 0%		1-9	99% - 0%	
1-10	99% - 0%		1-9	99% - 0%	
1-6	100% - 0%		1-3	100% - 0%	
2-10	99% - 0%		1-13	99% - 0%	
1-10	99% - 0%		1-14	99% - 0%	
1-10	100% - 0%		1-5	99% - 0%	
1-10	99% - 0%		1-11	99% - 0%	
1-10	99% - 0%		1-14	99% - 0%	
1-10	99% - 0%		1-20	99% - 0%	
1-10	99% - 0%		1-20	99% - 0%	
2-10	100% - 0%		1-11	99% - 0%	
1-3	73%-0%		1-17	62%-0%	
1-3	99% - 0%		1-17	93% - 0%	
1-10	98% - 0%		1-14	100% - 0%	
1-10	98% - 0%		1-20	100% - 0%	
1-10	98% - 0%		1-20	100% - 0%	
1-10	98% - 0%		1-20	100% - 0%	
1-10	98% - 0%		1-14	100% - 0%	
5-10	98% - 0%		1-20	100% - 0%	
1-10	98% - 0%		1-20	100% - 0%	
1-3	98% - 0%		1-20	99% - 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W – Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO EKO	EKO07 – 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN – UC	400W 3 – wire Push Module
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eltako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eltako	DL – PD – 300W – RLC (33000009) Universal	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	127LEDDE	[LED] 3 – 100W – Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 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	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot

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	99% - 0%		1-3	100% - 0%		1-3	98% - 0%	
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%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 – 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 – 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 – 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 – 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 – 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 – 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 – 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 – 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 – 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal	10-300W, LED, Trailing
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300W
Feller Schneider	40200, LED, EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 – 420W
Gira INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W - Tast
Gira INSTA	2450 00	[LED, R, L, C] 3 – 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK - Electric	K1535	[R] 65 – 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 – 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 – 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Bulb								
LED P45 25W 2200K E27 Amber Sp DIM 1PF 9290036271			LED G125 40W 2200K E27 Amber Sp DIM 1PF 9290036267			LED classic 25W ST64 E27 pink D SRT4 9290024537		
LED P45 25W 2200K E14 Amber Sp DIM 1PF 9290036272			LED G95 40W 2200K E27 Amber Sp DIM 1PF 9290036268			LED classic 25W G93 E27 pink D 1PF/4 9290024538		
LED B35 25W 2200K E14 Amber Sp DIM 1PF 9290036273			LED T32 40W 2200K E27 Amber Sp DIM 1PF 9290036269			LED CLA giant 25W E27 G200 pink DIM 9290024539		
			LED A60 40W 2200K E27 Amber Sp DIM 1PF 9290036270			LED classic 25W ST64 E27 gradient D SRT 9290024540		
						LED classic 25W G120 E27 gradient D 1PF 9290024541		
						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	100% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	86% - 0%		1-10	96% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-10	98% - 0%	
2-10	46% - 0%		2-10	29% - 0%		2-10	98% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	96% - 0%	
1-10	99% - 0%		1-10	98% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	98% - 0%		2-10	67% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	48% - 0%		1-10	64% - 0%		2-10	97% - 0%	
1-10	99%-0%		1-3	98%-0%		1-3	99% - 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%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	94% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	94% - 0%	
1-10	100%-0%		1-3	100%-0%		1-3	100% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	98% - 0%		1-10	98% - 0%	
2-7	49% - 0%		1-4	98% - 0%		1-4	99% - 0%	
1-10	100% - 4%		1-10	86% - 0%		2-10	97% - 1%	
1-10	98% - 0%		1-10	86% - 0%		1-10	96% - 0%	
1-10	95%-0%		1-10	86% - 0%		1-10	96% - 0%	
1-10	99%-0%		1-3	100%-0%		1-3	99% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	99% - 0%	
1-10	98% - 0%		1-10	92% - 0%		1-10	96% - 0%	
1-10	98% - 0%		1-10	86% - 0%		1-10	96% - 0%	
1-10	95% - 0%		1-10	86% - 0%		1-10	96% - 0%	
1-5	100% - 0%		1-5	98% - 0%		1-5	99% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-10	98% - 0%	
2-10	100% - 0%			N.A.	N.A.	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	98% - 0%	
2-7	49% - 0%		1-4	100% - 0%		1-4	99% - 0%	
2-10	99% - 0%		1-10	12% - 0%		2-10	98% - 0%	
2-10	100% - 0%		1-10	98% - 0%		2-10	97% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-7	99% - 0%	
1-10	99% - 0%		1-10	98% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	97% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-10	98% - 0%	
2-10	100% - 0%		1-10	98% - 0%		1-10	97% - 0%	
1-10	99% - 0%		1-10	96% - 0%		1-10	97% - 2%	
1-10	99% - 0%		1-10	98% - 0%		1-10	99% - 0%	
2-10	99% - 0%		1-10	98% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	99% - 0%		1-10	98% - 0%	
2-7	49% - 0%		1-4	100% - 0%		1-4	99% - 0%	
1-10	99% - 0%		1-3	100%-0%		1-3	99% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-10	97% - 0%	
1-10	99%-0%		1-3	98%-0%		1-3	99% - 0%	
2-10	73% - 0%		1-10	99% - 0%		1-10	98% - 0%	
1-10	59%-0%		1-3	63%-0%		1-3	61% - 0%	
1-10	98%-0%		1-3	76%-0%		1-3	73% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-10	98% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-10	97% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-10	97% - 5%	
1-10	100% - 0%		1-10	100% - 0%		1-10	97% - 0%	
						1-3	98% - 0%	
							N.A.	N.A.
							N.A.	N.A.
1-10	99%-0%		1-3	98%-0%		1-3	99% - 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 – 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal	10-300W, LED, Trailing
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300W
Feller Schneider	40200. LED. EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 – 420W
Gira INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W - Tast
Gira INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn
Hamilton	LEDIT - B100	5-100W, LED, Trailing
Hamilton	LEDIT - B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3- 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 – 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 – 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn - Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn - Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Bulb								
LED classic 15W B35 E14 GOLD SP D RFSRT4 9290029832 LED classic 15W P45 E14 GOLD SP D SRT4 9290029833 LED classic 15W P45 E27 GOLD SP D SRT4 9290029834			LEDClassic 40W Mushroom E27 1800K GOLD D 9290029840			LED CLA 60W A60 E27 2700K CL UE D SRT4 9290036915 LED CLA 60W A60 E27 2700K FR UE D SRT4 9290036916		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-10	97% - 0%		1-10	98% - 0%		1-3	97% - 15%	
1-10	96% - 0%		1-10	96% - 0%		1-3	92% - 0%	
1-10	99% - 0%		1-10	98% - 0%		1-3	95% - 0%	
2-10	96% - 0%		2-10	98% - 0%		1-3	89% - 0%	
1-10	97% - 0%		1-10	98% - 0%		1-3	98% - 30%	
1-10	100% - 0%		1-10	98% - 0%		1-3	91% - 0%	
1-10	98% - 0%		1-10	96% - 0%		1-3	100% - 0%	
1-10	96% - 0%		1-10	98% - 0%		1-3	99% - 0%	
1-10	96% - 0%		2-10	67% - 0%		1-3	99% - 0%	
1-10	97% - 0%		1-10	98% - 0%		1-3	96% - 0%	
1-10	97% - 0%		2-10	97% - 0%		1-3	96% - 0%	
1-3	97% - 0%		1-3	98% - 0%		1-3	95% - 0%	
1-10	96% - 0%		1-10	98% - 0%		1-3	96% - 4%	
1-10	98% - 0%		1-10	98% - 0%		1-3	98% - 0%	
1-10	97% - 0%		1-10	99% - 0%		1-3	94% - 3%	
1-10	97% - 0%		1-10	99% - 0%		1-3	96% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-3	96% - 0%	
1-10	97% - 0%		1-10	94% - 0%		1-3	96% - 0%	
1-10	97% - 0%		1-10	94% - 0%		1-3	96% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-10	96% - 0%		1-10	98% - 0%		1-3	96% - 4%	
1-10	98% - 0%		1-10	98% - 0%		1-3	98% - 0%	
1-8	99% - 0%		1-4	99% - 0%		1-3	94% - 67%	
1-10	96% - 0%		2-10	97% - 1%		1-3	96% - 12%	
1-10	95% - 0%		1-10	96% - 0%		1-3	93% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-3	92% - 0%	
1-3	97% - 0%		1-3	100% - 0%		1-3	94% - 0%	
1-10	99% - 0%		1-10	97% - 0%		1-3	93% - 0%	
1-10	N.A.	N.A.	1-10	97% - 0%		1-3	95% - 0%	
1-10	96% - 0%		1-10	99% - 0%		1-3	95% - 0%	
1-10	90% - 0%		1-10	96% - 0%		1-3	93% - 0%	
1-10	95% - 0%		1-10	96% - 0%		1-3	93% - 0%	
1-10	96% - 0%		1-10	96% - 0%		1-3	92% - 0%	
1-9	100% - 0%		1-5	99% - 0%		1-3	85% - 0%	
1-10	97% - 0%		1-10	98% - 0%		1-3	95% - 0%	
1-10	98% - 0%		1-10	98% - 0%			N.A.	N.A.
1-10	96% - 0%		1-10	98% - 0%		1-3	96% - 4%	
1-10	98% - 0%		1-10	98% - 0%		1-3	98% - 0%	
1-8	99% - 0%		1-4	99% - 0%		1-3	94% - 67%	
2-10	97% - 0%		2-10	98% - 0%		1-3	69% - 0%	
1-10	97% - 0%		2-10	97% - 0%		1-3	88% - 0%	
1-10	99% - 0%		1-7	99% - 0%		1-3	88% - 0%	
1-10	99% - 0%		1-10	97% - 0%		1-3	88% - 0%	
1-10	98% - 0%		1-10	97% - 0%		1-3	99% - 0%	
1-10	99% - 0%		1-10	98% - 0%		1-3	90% - 0%	
1-10	99% - 0%		1-10	98% - 0%		1-3	90% - 0%	
1-3	100% - 0%		1-3	100% - 0%		1-3	100% - 0%	
1-10	97% - 0%		1-10	97% - 0%		1-3	86% - 0%	
1-10	100% - 0%		1-10	98% - 0%		1-3	91% - 0%	
1-10	98% - 0%		1-10	97% - 2%			N.A.	N.A.
1-10	99% - 0%		1-10	99% - 0%		1-3	96% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	98% - 0%	
1-10	96% - 0%		1-10	98% - 0%		1-3	96% - 4%	
1-8	99% - 0%		1-4	99% - 0%		1-3	94% - 67%	
1-3	96% - 0%		1-3	100% - 0%		1-3	99% - 0%	
1-10	99% - 0%		1-10	97% - 0%		1-3	98% - 0%	
1-3	97% - 0%		1-3	100% - 0%		1-3	96% - 0%	
1-3	96% - 0%		1-3	100% - 0%		1-3	96% - 0%	
2-10	97% - 0%		1-10	98% - 0%		1-3	91% - 0%	
1-3	48% - 0%		1-3	63% - 0%		1-3	67% - 0%	
1-3	56% - 0%		1-3	76% - 0%		1-3	63% - 0%	
1-10	98% - 0%		1-10	98% - 0%		1-3	95% - 0%	
1-10	96% - 0%		1-10	97% - 0%		1-3	96% - 0%	
1-10	97% - 0%		1-10	97% - 5%		1-3	97% - 0%	
1-10	98% - 0%		1-10	97% - 0%		1-3	97% - 0%	
2-3	90% - 1%		1-3	98% - 0%		1-3	98% - 0%	
3	97% - 1%			N.A.	N.A.	1-3	97% - 0%	
2-3	97% - 1%			N.A.	N.A.	1-3	97% - 0%	
1-3	97% - 0%		1-3	98% - 0%		1-3	90% - 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 - 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal	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	127LEDDE	[LED] 3 - 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 - 24W
Legrand	67083	[RLC] 3 - 400W
Legrand	L4402N	[R] 60 - 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn - Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn - Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Candle								
LED classic 25W B35 E14 CL WGD90 SRT4 9290030119			LED classic 40W B35 E14 CL WGD90 SRT4 9290030122			LED classic 60W B35 E14 CL WGD90 9290030139		
LED classic 25W P45 E14 CL WGD90 SRT4 9290030120			LED classic 40W BA35 E14 CL WGD90 SRT4 9290030130			LED classic 60W B35 B22 CL WGD90 9290030140		
LED classic 25W P45 E27 CL WGD90 SRT4 9290030121			LED classic 40W P45 E14 WGD90 CL SRT4 9290030131			LED classic 60W P45 E14 WGD90 CL 9290030141		
LED classic 25W B35 E14 CL WGD90 SRT4 UK 9290030119			LED classic 40W P45 E27 CL WGD90 SRT4 9290030132			LED classic 60W P45 B22 WGD90 CL 9290030142		
			LED classic 40W P45 E27 WGD90 FR SRT4 9290030136			LED classic 60W P45 E27 WGD90 CL 9290030143		
			LED classic 40W P45 E14 WGD90 CL SRT4 UK 9290030131					
			LED classic 40W B35 E14 CL WGD90 SRT4 UK 9290030122					
			LED classic 40W B35 E14 FR WGD90 SRT4 9290030126					
			LED classic 40W P45 E14 FR WGD90 SRT4 9290030135					
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	98% - 0%		1-20	99% - 0%		1-5	72% - 0%	
1-20	93% - 0%		1-18	96% - 0%		1-10	0% - 0%	
1-20	96% - 0%		1-20	98% - 0%		1	96% - 0%	
3-20	95% - 0%		1-20	99% - 0%		1-20	93% - 0%	
1-20	95% - 0%		1-20	99% - 0%		1-10	66% - 0%	
1-20	86% - 0%		1-20	99% - 0%		1-17	95% - 0%	
1-20	93% - 0%		1-20	99% - 0%			N.A.	N.A.
1-20	92% - 0%		1-20	99% - 0%		1-20	87% - 0%	
1-20	94% - 0%		1-20	99% - 0%			N.A.	N.A.
1-20	94% - 0%		1-20	99% - 0%		1-20	76% - 0%	
1-20	94% - 0%		1-20	98% - 0%		1	93% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-3	99% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-3	95% - 0%	
1-20	100% - 0%		1-19	99% - 0%		1-4	97% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1	97% - 0%	
1-20	100% - 0%		1-20	98% - 0%		1-20	0% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1	0% - 0%	
1-10	96% - 0%		1-10	95% - 0%		1-15	70% - 0%	
1-20	98% - 0%		1-20	94% - 0%		1-20	98% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-3	100% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-3	95% - 0%	
1-20	100% - 0%		1-19	99% - 0%		1-4	97% - 0%	
1-8	99% - 0%		1-6	100% - 0%		1-3	96% - 0%	
1-20	100% - 3%		1-20	98% - 4%			N.A.	N.A.
1-20	92% - 0%		1-20	96% - 0%		1-17	97% - 0%	
1-20	93% - 0%		1-18	98% - 0%		1-10	80% - 0%	
1-10	100% - 0%		1-10	100% - 0%		1-3	98% - 0%	
1-20	99% - 0%		1-18	97% - 0%		1-3	70% - 0%	
1-20	100% - 4%		1-20	98% - 2%		1-5	70% - 2%	
1-20	98% - 0%		1-20	97% - 0%		1-17	69% - 0%	
1-20	97% - 0%		1-20	97% - 0%		1-17	96% - 0%	
1-20	92% - 0%		1-20	96% - 0%		1-17	97% - 0%	
1-20	93% - 0%		1-18	98% - 0%		1-10	80% - 0%	
1-10	88% - 3%		1-7	95% - 3%		1-4	99% - 2%	
1-20	100% - 0%		1-20	97% - 0%		1-5	97% - 0%	
1	86% - 500W		1	98% - 24%		1-2	98% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-3	95% - 0%	
1-20	100% - 0%		1-19	99% - 0%		1-3	97% - 0%	
1-8	99% - 0%		1-6	100% - 0%		1-3	96% - 0%	
5-20	92% - 0%		2-20	95% - 0%		1-15	96% - 0%	
1-20	99% - 0%		2-20	100% - 0%		1-17	97% - 0%	
1-14	100% - 0%		1-11	100% - 0%		1-6	96% - 0%	
1-20	98% - 0%		1-20	100% - 0%		1-14	99% - 0%	
1-20	99% - 0%		1-20	98% - 0%			N.A.	N.A.
1-5	99% - 0%		1-20	98% - 0%			N.A.	N.A.
1-5	99% - 0%		1-20	98% - 0%			N.A.	N.A.
1-10	100% - 0%		1-10	100% - 0%		1-3	100% - 0%	
	N.A.	N.A.	1-18	95% - 0%		1-10	99% - 10%	
1-20	86% - 0%		1-20	99% - 0%		1-17	95% - 0%	
1-20	100% - 4%		1-20	98% - 4%			N.A.	N.A.
1-20	100% - 0%		1-20	98% - 0%			N.A.	N.A.
1-20	100% - 0%		1-19	99% - 0%		1-3	97% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-3	95% - 0%	
1-8	99% - 0%		1-6	100% - 0%		1-3	96% - 0%	
1-10	96% - 0%		1-10	100% - 0%		1-3	99% - 0%	
1-20	63% - 0%		1-18	77% - 0%		1-3	95% - 0%	
1-10	98% - 0%		1-10	100% - 0%		1-3	100% - 0%	
1-10	99% - 0%		1-10	100% - 0%		1-3	97% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-3	97% - 0%	
1-10	49% - 0%		1-10	100% - 0%		1-3	76% - 0%	
1-10	54% - 0%		1-10	100% - 0%		1-3	68% - 0%	
1-20	92% - 0%		1-20	97% - 0%		1-17	99% - 0%	
1-20	98% - 3%		1-20	98% - 3%		1-20	72% - 3%	
1-20	98% - 0%		1-20	99% - 0%		1-20	72% - 0%	
1-20	98% - 0%		1-20	97% - 0%			N.A.	N.A.
1-10	90% - 0%		1-10	89% - 0%		1-8	96% - 0%	
1-10	97% - 0%	3-5	6-10	98% - 0%		5-10	97% - 0%	
5-10	97% - 0%		1-10	98% - 0%		3-10	97% - 0%	
1-10	100% - 0%		1-10	99% - 0%		1-3	99% - 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 – 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal	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	127ILEDDE	[LED] 3 – 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3– 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 – 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 – 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Candle					
LED classic 25W B35 B22 CL WGD90 9290030712 LED classic 25W BA35 E14 CL WGD90 9290030713			LED classic 40W B35 E14 FR WGD90 9290030126 LED classic 40W B35 E27 FR WGD90 9290030127 LED classic 40W B35 B22 FR WGD90 9290030128 LED classic 40W B35 B15 FR WGD90 9290030129 LED classic 40W P45 B22 CL WGD90 9290030133 LED classic 40W P45 B15 CL WGD90 9290030134 LED classic 40W P45 E14 FR WGD90 9290030135 LED classic 40W P45 B22 WGD90 FR 9290030137 LED classic 40W P45 B15 WGD90 FR 9290030138		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	98% - 0%		1-20	99% - 0%	
1-20	93% - 0%		1-18	96% - 0%	
1-20	96% - 0%		1-20	98% - 0%	
3-20	95% - 0%		1-20	99% - 0%	
1-20	95% - 0%		1-20	99% - 0%	
1-20	86% - 0%		1-20	99% - 0%	
1-20	93% - 0%		1-20	99% - 0%	
1-20	92% - 0%		1-20	99% - 0%	
1-20	92% - 0%		1-20	99% - 0%	
1-20	94% - 0%		1-20	99% - 0%	
1-20	94% - 0%		1-20	98% - 0%	
1-10	100% - 0%		1-10	100% - 0%	
1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-19	99% - 0%	
1-20	100% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-20	99% - 0%	
1-10	96% - 0%		1-10	95% - 0%	
1-10	96% - 0%		1-10	95% - 0%	
1-10	100% - 0%		1-10	100% - 0%	
1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-19	99% - 0%	
1-8	99% - 0%		1-6	100% - 0%	
1-20	100% - 3%		1-20	98% - 4%	
1-20	92% - 0%		1-20	96% - 0%	
1-20	93% - 0%		1-18	98% - 0%	
1-10	100% - 0%		1-10	100% - 0%	
1-20	99% - 0%		1-18	97% - 0%	
1-20	100% - 4%		1-20	98% - 2%	
1-20	98% - 0%		1-20	97% - 0%	
1-20	97% - 0%		1-20	97% - 0%	
1-20	92% - 0%		1-20	96% - 0%	
1-20	93% - 0%		1-18	98% - 0%	
1-10	88% - 3%		1-7	95% - 3%	
1-20	100% - 0%		1-20	97% - 0%	
1	86% - 0%		1	98% - 24%	
1-20	99% - 0%		1-20	99% - 0%	
1-20	100% - 0%		1-19	99% - 0%	
1-8	99% - 0%		1-6	100% - 0%	
5-20	92% - 0%		2-20	95% - 0%	
1-20	99% - 0%		2-20	100% - 0%	
1-14	100% - 0%		1-11	100% - 0%	
1-20	98% - 0%		1-20	100% - 0%	
1-20	99% - 0%		1-20	98% - 0%	
1-5	99% - 0%		1-20	98% - 0%	
1-5	99% - 0%		1-10	100% - 0%	
1-10	100% - 0%		1-18	95% - 0%	
1-20	86% - 0%		1-20	99% - 0%	
1-20	100% - 4%		1-20	98% - 4%	
1-20	100% - 0%		1-20	98% - 0%	
1-20	100% - 0%		1-19	99% - 0%	
1-20	99% - 0%		1-6	100% - 0%	
1-10	96% - 0%		1-10	100% - 0%	
1-20	63% - 0%		1-18	77% - 0%	
1-10	96% - 0%		1-10	100% - 0%	
1-10	98% - 0%		1-10	100% - 0%	
1-20	99% - 0%		1-20	99% - 0%	
1-10	49% - 0%		1-10	100% - 0%	
1-10	54% - 0%		1-10	100% - 0%	
1-20	92% - 0%		1-20	97% - 0%	
1-20	98% - 3%		1-20	98% - 3%	
1-20	98% - 0%		1-20	99% - 0%	
1-20	98% - 0%		1-20	99% - 0%	
1-10	90% - 0%		1-10	89% - 0%	
1-10	97% - 0%		1-10	99% - 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W – Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO EKO	EKO07 – 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eitako	EVD61NPN – UC	400W 3 – wire Push Module
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eitako	DL – PD – 300W – RLC (33000009) Universal	10-300W, LED, Trailing
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300W
Feller Schneider	40200, LED, EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 – 00/01	[RLC] 50 – 420W
Gira INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W – Tast
Gira INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hamilton	LEDIT – B100	5-100W, LED, Trailing
Hamilton	LEDIT – B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W – Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3– 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 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	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Spot								
LED CLA 50W GU10 C90 WW 36D WGD 2SRT6 9290020657			LED CLA 80W GU10 CRI90 WW 36D WGD SRT4 9290020659			LEDClassic 80W GU10 C90 WH 36D D 1PF/12 9290020684		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	92% – 2%		1-10	90% – 0%		1-10	90% – 0%	
1-15	98% – 23%		1-10	87% – 0%		1-10	87% – 0%	
1-20	95% – 4%			N.A.	N.A.		N.A.	N.A.
1-20	93% – 3%		1-10	92% – 0%		1-10	92% – 0%	
1-20	99% – 8%		1-10	92% – 0%		1-10	92% – 0%	
1-20	90% – 4%		1-10	92% – 0%		1-10	92% – 0%	
						1-16	99%-0%	
1-20	87% – 15%		1-10	93% – 0%		1-10	93% – 0%	
1-20	94% – 2%		1-10	87% – 0%		1-10	87% – 0%	
1-20	91% – 1%		1-10	91% – 1%		1-10	91% – 1%	
1-20	95% – 1%		1-10	89% – 0%		1-10	89% – 0%	
1-15	18% – 5%		1-20	90% – 4%		1-20	92% – 0%	
1-20	90% – 6%		1-11	87% – 0%		1-11	87% – 0%	
1-15	92% – 1%		1-10	87% – 1%		1-10	87% – 1%	
1-20	92% – 1%		1-10	90% – 0%		1-10	90% – 0%	
1-20	92% – 1%		1-10	90% – 0%		1-10	90% – 0%	
1-20	94% – 2%		1-10	90% – 0%		1-10	90% – 0%	
1-20	95% – 3%		1-10	91% – 0%		1-10	91% – 0%	
1-20	93% – 2%		1-10	92% – 0%		1-10	92% – 0%	
1-20	86% – 0%		1-20	81% – 0%		1-20	99% – 0%	
1-20	90% – 6%		1-11	87% – 0%		1-11	87% – 0%	
1-15	92% – 1%		1-10	87% – 1%		1-10	87% – 1%	
1-5	99% – 5%			N.A.	N.A.		N.A.	N.A.
1-20	97% – 6%		1-10	95% – 10%		1-10	95% – 10%	
1-20	97% – 3%		1-10	91% – 0%		1-10	91% – 0%	
1-20	86% – 2%		1-20	94% – 1%		1-20	99% – 0%	
1-20	96% – 1%		1-20	86% – 0%		1-20	87% – 0%	
	N.A.	N.A.				8-15	85%-0%	
1-15	99% – 5%		1-10	87% – 1%		1-10	87% – 1%	
1-20	93% – 2%		1-10	91% – 0%		1-10	91% – 0%	
1-20	95% – 2%		1-10	91% – 0%		1-10	91% – 0%	
1-20	92% – 2%		1-10	93% – 0%		1-10	93% – 0%	
1-20	97% – 3%		1-10	91% – 0%		1-10	91% – 0%	
1-15	98% – 23%		1-10	87% – 0%		1-10	87% – 0%	
1-5	93% – 2%		1-10	85% – 3%		1-10	85% – 3%	
1-20	95% – 3%		1-10	86% – 0%		1-10	8% – 0%	
8-20	23% – 3%		1-10	82% – 11%		1-10	82% – 11%	
1-20	90% – 6%		1-11	87% – 0%		1-11	87% – 0%	
1-15	92% – 1%		1-10	87% – 1%		1-10	87% – 1%	
1-5	99% – 5%			N.A.	N.A.		N.A.	N.A.
1-20	93% – 2%		1-10	86% – 0%		1-10	86% – 0%	
1-20	95% – 2%		1-10	87% – 1%		1-10	87% – 1%	
1-12	84% – 4%					1-3	80%-0%	
1-17	83% – 3%		1-9	81% – 0%		1-9	81% – 0%	
1-20	98% – 0%		1-10	88% – 2%		1-10	88% – 2%	
1-20	97% – 5%		1-10	90% – 2%		1-10	90% – 2%	
1-20	97% – 5%		1-10	90% – 2%		1-10	90% – 2%	
1-10	98% – 0%		1-20	82% – 0%		1-20	94% – 0%	
1-15	91% – 4%			N.A.	N.A.		N.A.	N.A.
1-20	90% – 4%		1-10	92% – 0%		1-10	92% – 0%	
1-20	98% – 0%		1-20	95% – 0%		1-20	95% – 0%	
1-20	86% – 24%		1-10	85% – 0%		1-10	85% – 0%	
1-15	92% – 1%		1-10	87% – 1%		1-10	87% – 1%	
1-20	90% – 6%		1-11	87% – 0%		1-11	87% – 0%	
1-5	99% – 5%			N.A.	N.A.		N.A.	N.A.
1-15	18% – 5%		1-20	90% – 4%		1-20	92% – 0%	
1-15	98% – 1%		1-10	85% – 0%		1-10	85% – 0%	
1-10	93% – 11%		1-20	94% – 4%		1-20	99% – 0%	
1-10	98% – 7%		1-20	98% – 0%		1-20	95% – 0%	
1-20	97% – 1%		1-10	89% – 0%		1-10	89% – 0%	
1-20	11% – 7%		1-20	83% – 4%		1-20	83% – 0%	
2-20	8% – 1%		1-20	87% – 0%		1-20	88% – 0%	
1-20	96% – 5%		1-10	95% – 0%		1-10	95% – 0%	
1-20	94% – 3%		1-10	86% – 0%		1-10	86% – 0%	
1-20	97% – 0%		1-10	87% – 1%		1-10	87% – 1%	
1-20	93% – 0%		1-10	85% – 1%		1-10	85% – 1%	
1-12	87% – 0%		1-7	87% – 0%		1-7	87% – 0%	
2-20	87% – 0%		6-13	88% – 0%		6-13	88% – 0%	
1-20	92% – 0%		4-13	90% – 0%		4-13	90% – 0%	
1-5	80% – 0%		1-20	84% – 0%		1-20	85% – 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W – Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO EKO	EKO07 – 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eitako	EVD61NPN – UC	400W 3 – wire Push Module
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eitako	DL – PD – 300W – RLC (33000009) Universal	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	127LEDDE	[LED] 3 – 100W – Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 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	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn – Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn – Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Spot								
LED CLA 35W GU10 C90 WW 36D WGD 2SRT6 9290020655 LED CLA 35W GU10 C90 WW 36D WGD 3SRT6 9290020655 LED CLA 35W GU10 C90 WW 36D WGD SRT4 9290020655			LED CLA 50W GU10 C90 WH 36D D 1PF/SRT4 9290020683 LED CLA 50W GU10 C90 CW 36D RF D PF SRT4 9290020658 LED CLA 50W GU10 C90 CW 36D D 1PF/6 9290020658			LEDClassic 50W GU10 WW 36D DIM UE SRT4 9290037959 LEDClassic 50W GU10 WH 36D DIM UE SRT4 9290037960 LEDClassic 50W GU10 CW 36D DIM UE SRT4 9290037961		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	93% - 3%		1-15	97%-0%		1-20	100%-0%	
1-20	97% - 21%		1-15	96%-0%		1-20	99%-0%	
1-20	94% - 4%		1-15	96%-0%		1-20	99%-0%	
1-20	94% - 4%		1,8-20	96%-0%		1-2	100%-0%	
1-20	97% - 4%		1-20	97%-0%		1-20	100%-0%	
1-20	96% - 0%		1-20	96%-0%		1-20	99%-0%	
1-20	90% - 4%		1-20	96%-0%		1-20	99%-0%	
1-20	92% - 0%		1-20	97%-0%		1-20	100%-0%	
1-20	96% - 0%		1-20	97%-0%		1-20	99%-0%	
1-20	92% - 0%		1-20	98%-0%		1-20	99%-0%	
1-20	92% - 0%		1-20	96%-0%		1-20	91%-0%	
1-20	57% - 5%			N.A.	N.A.	1-20	97%-0%	
2-20	88% - 7%		1-20	96%-0%		1-20	99%-0%	
1-20	92% - 2%		1-15	96%-0%		1-20	99%-0%	
1-20	93% - 0%		1-20	96%-0%		1-20	99%-0%	
1-20	93% - 0%		1-20	96%-0%		1-20	99%-0%	
1-20	94% - 3%		1-20	97%-0%		1-20	99%-0%	
1-20	92% - 2%		1-20	97%-0%		1-20	99%-0%	
1-20	92% - 2%		1-20	97%-0%		1-20	99%-0%	
1-20	69% - 2%		1-20	97%-0%		1-20	99%-0%	
2-20	88% - 7%		1-20	96%-0%		1-20	99%-0%	
1-20	92% - 2%		1-15	96%-0%		1-20	99%-0%	
1-8	98% - 3%		1-5	97%-0%		1-10	99%-0%	
1-20	97% - 0%		1-20	96%-0%		1-20	99%-1%	
1-20	98% - 1%		1-20	96%-0%		1-20	99%-0%	
1-20	62% - 3%		1-15	96%-0%		1-20	99%-0%	
1-20	53% - 2%			N.A.	N.A.		N.A.	N.A.
				N.A.	N.A.		N.A.	N.A.
1-20	97% - 2%		1-15	96%-0%		1-20	100%-0%	
1-20	97% - 1%		1-20	97%-0%		1-20	100%-5%	
1-20	98% - 0%		1-20	96%-0%		1-20	100%-0%	
1-20	96% - 0%		1-20	97%-0%		1-20	100%-0%	
1-20	98% - 1%		1-20	96%-0%		1-20	99%-0%	
1-20	97% - 21%		1-15	96%-0%		1-20	99%-0%	
1-8	96% - 1%		1-5	96%-0%		1-10	99%-0%	
1-20	92% - 2%		1-20	96%-0%		1-20	99%-0%	
	N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
2-20	88% - 7%		1-20	96%-0%		1-20	99%-0%	
1-20	96% - 1%		1-15	96%-0%		1-20	99%-0%	
1-8	98% - 3%		1-5	97%-0%		1-10	99%-0%	
1-20	96% - 0%		1-20	97%-0%		1-20	76%-0%	
1-20	96% - 0%		1-20	97%-0%		8-20	100%-0%	
	N.A.	N.A.	1-8	98%-2%		8-15	99%-7%	
1-20	81% - 5%		1-20	97%-0%		1,5-20	99%-0%	
1-20	97% - 0%		1-20	96%-0%		1-20	98%-0%	
1-20	97% - 2%		1-20	96%-0%		1-20	99%-0%	
1-20	97% - 2%		1-20	96%-0%		1-20	99%-0%	
1-20	66% - 0%		1-20	98%-0%		1-20	99%-0%	
1-20	96% - 0%		1-15	96%-0%		1-20	99%-0%	
1-20	96% - 0%		1-20	96%-0%		1-20	99%-0%	
1-20	95% - 0%		1-20	96%-0%		1-20	99%-0%	
	N.A.	N.A.	1-20	93%-0%		1-20	98%-3%	
1-20	92% - 2%		1-15	96%-0%		1-20	99%-0%	
2-20	88% - 7%		1-20	96%-0%		1-20	99%-0%	
1-8	98% - 3%		1-5	97%-0%		1-10	99%-0%	
1-20	57% - 5%			N.A.	N.A.	1-20	97%-0%	
1-20	98% - 0%		1-20	95%-0%		1-20	98%-0%	
1-20	60% - 20%		1-20	97%-0%		1-20	99%-0%	
1-20	66% - 0%		1-20	98%-0%		1-20	99%-1%	
1-20	97% - 0%		1-20	95%-0%		1	98%-0%	
1-20	20% - 8%		1-20	29%-0%		1-20	60%-5%	
	N.A.	N.A.	1-20	96%-0%		1-20	99%-0%	
1-20	97% - 1%		1-20	96%-0%		2-20	99%-0%	
1-20	97% - 3%		1-20	96%-0%		1-20	98%-0%	
1-20	98% - 0%		1-20	96%-0%		1-20	99%-0%	
1-20	96% - 0%		1-20	97%-0%		1-20	99%-0%	
1-18	87% - 0%		1-20	98%-0%		1-20	99%-0%	
	N.A.	N.A.	1-20	98%-0%		1-20	99%-0%	
5-20	92% - 0%		1-20	98%-0%		1-20	99%-0%	
1-20	43% - 0%		1-20	97%-0%		1-20	99%-0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 – 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eltako	EVD61NPN - UC	400W 3 - wire Push Module
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eltako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eltako	DL - PD - 300W - RLC (33000009) Universal	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	127LEDDE	[LED] 3 – 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3– 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 – 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 – 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6–60W
Philips	UID8670	[LED] 2 – 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Spot								
LED Classic 100W PAR38 WW 25D D 1PF/4 9290034852			LED Classic 75W PAR30S WW 25D D 1PF/4 9290034854			LED Classic50W PAR20 E27 WW 25D D 1SRT4 9290034857		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-5	98% - 0%		1-8	94% - 0%		1-10	98% - 0%	
1-5	99% - 0%			N.A.	N.A.		N.A.	N.A.
1-5	98% - 0%		1-8	94% - 0%		1-10	98% - 0%	
1-10	98% - 0%		1-10	94% - 0%		1-20	98% - 0%	
1-10	98% - 0%		1-10	93% - 0%		1-20	98% - 0%	
1-8	98% - 0%		1-10	96% - 0%		1-15	98% - 0%	
1-8	100% - 0%		1-11	99% - 0%		1-20	99% - 0%	
1-8	99% - 0%		1-10	97% - 0%		1-15	99% - 0%	
1-8	99% - 0%		1-10	97% - 0%		1-15	98% - 0%	
1-10	99% - 0%		1-20	95% - 0%		1-20	98% - 0%	
1-10	99% - 0%		1-20	95% - 0%		1-20	98% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-10	99% - 0%		1-10	94% - 0%		1-20	98% - 0%	
1-10	99% - 0%		1-10	94% - 0%		1-20	98% - 0%	
1-5	98% - 0%		1-8	95% - 0%		1-10	98% - 0%	
1-10	97% - 0%		1-20	93% - 0%		2-20	98% - 14%	
1-10	97% - 0%		1-20	93% - 0%		1-20	98% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
1-5	99% - 7%		2-8	91% - 0%		1-10	98% - 6%	
1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
1-18	99% - 0%		1-20	98% - 0%		1-20	100% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	99% - 0%	
1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
2-8	98% - 14%		1-10	94% - 0%		1-15	98% - 0%	
1-8	97% - 0%		1-10	94% - 0%		1-15	98% - 0%	
1-8	99% - 0%		1-10	95% - 0%		1-15	99% - 0%	
1-5	99% - 0%			N.A.	N.A.		N.A.	N.A.
1-2	83% - 3%		1-3	94% - 0%		1-3	99% - 0%	
1-5	98% - 0%		1-8	95% - 0%		1-10	98% - 0%	
1-8	97% - 0%		1	93% - 1%		1	98% - 1%	
1-6	100% - 0%		1-8	99% - 0%		1-15	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
1-5	98% - 0%		1-8	93% - 1%		1-15	99% - 0%	
1-8	97% - 0%			N.A.	N.A.		N.A.	N.A.
1-3	98% - 2%		1-20	98% - 0%				
1-6	100% - 0%		1-8	99% - 0%		2-12	97% - 0%	
1-8	97% - 0%		1-10	96% - 5%		2-5	98% - 23%	
1-8	100% - 0%		1-20	95% - 0%		1-15	98% - 0%	
1-8	100% - 0%		1-20	95% - 0%		1-15	98% - 0%	
1-8	98% - 0%		1-13	99% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-5	94% - 0%		2-15	98% - 11%	
1-8	98% - 0%			N.A.	N.A.	1-15	98% - 0%	
1-8	100% - 0%		1-15	98% - 0%		1-20	98% - 0%	
1-8	97% - 2%		1-10	93% - 0%		1-15	99% - 0%	
1-5	98% - 0%		1-5	94% - 0%		1-10	98% - 0%	
1-6	100% - 0%		1-8	99% - 0%		1-13	100% - 0%	
1-2	98% - 0%		1-2	94% - 0%		1-3	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-5	97% - 0%		1-6	95% - 0%		1-10	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-8	92% - 0%		1-10	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	
1-5	98% - 0%		1-8	94% - 0%		1-15	98% - 0%	
1-5	97% - 6%		1-20	95% - 2%		1-20	98% - 3%	
1-10	98% - 4%		1-20	93% - 0%		1-20	98% - 0%	
1-10	97% - 5%		1-20	93% - 0%		1-20	98% - 0%	
1-4	99% - 0%		1-5	99% - 0%		1-8	99% - 0%	
	N.A.	N.A.	5-10	100% - 0%			N.A.	N.A.
3-7	100% - 0%		5-10	100% - 0%		5-15	99% - 0%	
1-18	99% - 0%		1-20	99% - 0%		1-20	100% - 0%	

Consumer LED Mains Voltage range

Recommended dimmer compatibility list for Mains Voltage lamps



KEY

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X - Y	See note below.
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T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 - 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 - 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 - 600W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 - 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 - 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Leading
Busch Jaeger ABB	6523 U - 102	[LED, R, L, C] 2 - 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Leading
Busch Jaeger ABB	6523 UR - 103	[LED, R, L, C] 2 - 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 - 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED - S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider
SE LK Schneider	LK OPUS 66 LED - S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider
Eitako	EVD61NPN - UC	400W 3 - wire Push Module
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Leading
Eitako	EUD61NPL - 230V	[LED, R, C] 4 - 200W - Module - Trailing
Eitako	DL - PD - 300W - RLC (33000009) Universal	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	127LEDDE	[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	[RC] 3 - 400W
Legrand	L4402N	[R] 60 - 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 - 0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
MK - Electric	K1535	[R] 65 - 450W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500W - Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310 - 0280X	[LED] 2 - 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 - 120W [LED] 6-60W
Philips	UID8670	[LED] 2 - 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100W
RELCO	RM0545	[LED] 4 - 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 - 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 - 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Spot			LED Capsule					
LED CLA 60W R50 E14 WW 36D RF D SRT4 9290018912 LED CLA 60W R50 E14 WW 36D RF 1PF/10 9290018912 LED CLA 60W R63 E27 WW 36D RF D SRT4 9290018914			LED 25W G9 WW 230V Dim SRT6 9290023899 LED 25W G9 WW 230V Dim SRT6 UK 9290023899			LED 40W G9 WW 230V Dim SRT6 9290023900		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-15	97% - 0%		1-20	95% - 0%		1-15	93% - 0%	
	N.A.	N.A.	1-20	95% - 0%		1-15	93% - 68%	
1-15	97% - 0%		1-20	94% - 0%		1-15	92% - 0%	
1-15	97% - 0%		2-20	94% - 0%		1-15	93% - 0%	
1-15	98% - 0%		1-20	96% - 0%		1-15	94% - 0%	
1-15	98% - 0%		1-20	93% - 0%		1-15	92% - 0%	
			1-20	97% - 0%				
1-15	97% - 0%		1-20	79% - 0%		1-15	81% - 0%	
1-15	97% - 0%		1-20	90% - 0%		1-15	90% - 0%	
1-15	96% - 0%		1-20	93% - 0%		1-15	92% - 0%	
1-15	97% - 0%		1-20	93% - 0%		1-15	92% - 0%	
1-20	99% - 0%		1-20	99% - 2%		1-20	99% - 1%	
1-15	99% - 0%		1-16	99% - 0%		1-20	99% - 0%	
1-15	96% - 0%		1-20	89% - 0%		1-15	89% - 0%	
1-15	97% - 0%		1-20	87% - 0%		1-15	87% - 0%	
1-15	97% - 0%		1-20	87% - 0%		1-15	87% - 0%	
1-15	96% - 0%		1-20	86% - 0%		1-15	87% - 0%	
1-15	96% - 0%		1-20	84% - 0%		1-15	85% - 0%	
1-15	95% - 0%		1-20	91% - 0%		1-15	90% - 0%	
1-20	98% - 0%		1-20	90% - 2%		1-20	98% - 1%	
1-15	99% - 0%		1-16	99% - 0%		1-20	99% - 0%	
1-15	96% - 0%		1-20	89% - 0%		1-15	89% - 0%	
1-5	96% - 0%		1-8	83% - 0%		1-5	84% - 0%	
1-15	96% - 0%		1-20	89% - 0%		1-15	89% - 0%	
1-15	98% - 0%		1-20	79% - 0%		1-15	91% - 0%	
1-20	98% - 0%		1-20	98% - 0%		1-20	99% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	99% - 0%	
1-15	97% - 0%		1-20	94% - 0%		1-15	87% - 0%	
1-15	95% - 0%		1-20	94% - 0%		1-15	87% - 0%	
1-15	95% - 0%		1-20	96% - 0%		1-15	85% - 0%	
1-15	97% - 0%		1-20	85% - 0%		1-15	90% - 0%	
1-15	98% - 0%		1-20	79% - 0%		1-15	91% - 0%	
	N.A.	N.A.	1-20	95% - 0%		1-15	93% - 68%	
1-5	95% - 0%		1-9	79% - 0%		1-5	91% - 31%	
1-15	97% - 0%		1-20	85% - 0%		1-15	97% - 0%	
	N.A.	N.A.	1-20	90% - 0%		1-15	85% - 0%	
1-15	99% - 0%		1-16	99% - 0%		1-20	99% - 0%	
1-15	96% - 0%		1-20	89% - 0%		1-15	89% - 0%	
1-5	96% - 0%		1-8	83% - 0%		1-5	87% - 0%	
1-15	89% - 0%		1-20	96% - 0%		1-15	85% - 0%	
2-15	97% - 0%		1-20	85% - 0%		1-15	90% - 0%	
1-10	96% - 0%		1-14	96% - 0%		1-11	95% - 0%	
1-15	99% - 0%		2-20	92% - 0%		2-16	99% - 0%	
1-15	96% - 0%		1-20	82% - 0%		1-15	90% - 0%	
1-15	97% - 0%		1-20	94% - 10%		1-15	88% - 8%	
1-15	97% - 0%		1-20	94% - 10%		1-15	88% - 8%	
1-20	98% - 0%		1-20	92% - 2%		1-20	98% - 1%	
1-10	96% - 0%		1-20	88% - 0%		1-15	89% - 0%	
1-15	98% - 0%		1-20	93% - 0%		1-15	92% - 0%	
1-15	99% - 0%		1-20	100% - 0%		1-20	99% - 0%	
1-15	97% - 0%		1-20	85% - 0%			N.A.	N.A.
1-15	96% - 0%		1-20	89% - 0%		1-15	89% - 0%	
1-15	99% - 0%		1-16	99% - 0%		1-20	99% - 0%	
1-8	96% - 0%		1-8	83% - 0%		1-5	86% - 0%	
1-20	99% - 0%		1-20	99% - 2%		1-20	99% - 1%	
1-10	96% - 0%		1-20	94% - 0%		1-15	88% - 0%	
1-20	99% - 0%		1-20	98% - 0%		1-20	99% - 0%	
1-20	98% - 0%		1-20	89% - 2%		1-20	98% - 1%	
2-15	96% - 0%		1-20	94% - 0%		1-15	88% - 0%	
1-20	99% - 0%		1-20	97% - 0%		1-20	99% - 0%	
1-20	99% - 0%		1-20	91% - 2%		1-20	99% - 1%	
1-15	96% - 0%		1-20	81% - 0%		1-15	90% - 0%	
1-15	96% - 0%		1-20	83% - 0%		1-15	89% - 0%	
1-15	96% - 0%		1-20	96% - 0%		1-15	93% - 0%	
1-15	96% - 0%		1-20	85% - 0%		1-15	93% - 0%	
1-11	98% - 0%			N.A.	N.A.	1-12	95% - 0%	
3-15	97% - 0%		1, 4-11	98% - 0%		3-20	90% - 0%	4-5
1-15	99% - 0%		10-11	99% - 0%		3-20	99% - 0%	
1-20	99% - 0%		1-20	99% - 0%		1-20	99% - 0%	

Consumer 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
T.B.D.	Dimmer lamp combination not tested

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W - Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W - Turn
Busch Jaeger ABB	6513 U – 102	[RC] 40 – 420W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA - LED - Push (2wire)
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W - Turn - Leading
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W - Turn - Trailing
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W - Turn - Leading
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W - Turn - Trailing
ELKO EKO	EKO07 - 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W - Slider
SE LK Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W - Slider
Eitako	EVD61NPN – UC	400W 3 – wire Push Module
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W - Module - Leading
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W - Module - Trailing
Eitako	DL – PD – 300W – RLC (33000009) Universal	10-300W, LED, Trailing
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300W
Feller Schneider	40200. LED. EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Gira	1176 - 00/01	[RLC] 50 – 420W
Gira INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W - Tast
Gira INSTA	2450 00	[LED, R, L, C] 3 – 60W - Turn
Hamilton	LEDIT – B100	5-100W, LED, Trailing
Hamilton	LEDIT – B100	5-100W, LED, Leading
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	1271LEDDE	[LED] 3 – 100W - Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W - Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W - Turn
Klik aan Klik uit	AWMD - 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W - Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W - Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 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	3W - 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6 – 60W
Philips	UID8670	[LED] 2 – 100VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA - Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA - Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 - 200VA, Trailing
Varilight	HQ3W	[R] 60 - 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W - Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W - Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W - Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) - Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Capsule					
LED 25W G9 WW 230V Dim SRT6 9290037911 LED 25W G9 WW 230V Dim SRT6 UK 9290037911			LED 40W G9 WW 230V Dim SRT6 9290037912		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-20	100%-0%		1-18	98%-0%	
1-20	86%-0%		1-15	98%-0%	
1-20	89%-0%		1-19	99%-0%	
1-20	99%-0%		1-20	99%-0%	
1-20	93%-0%		1-20	97%-0%	
1-20	92%-0%		1-20	99%-0%	
1-20	93%-0%		1-20	99%-0%	
1-20	92%-0%			N.A.	N.A.
1-20	95%-0%			N.A.	N.A.
1-20	93%-0%			N.A.	N.A.
1-20	93%-0%			N.A.	N.A.
1-20	100%-0%		1-20	100%-0%	
1-20	96%-0%		1-20	99%-0%	
1-20	95%-0%		1-16	98%-0%	
1-20	98%-0%		1-20	98%-0%	
1-20	98%-0%		1-20	98%-0%	
1-20	95%-0%		1-20	91%-0%	
1-20	98%-0%		1-20	99%-0%	
1-20	90%-0%		1-20	99%-0%	
1-20	92%-0%		1-20	98%-0%	
1-20	96%-0%		1-20	99%-0%	
1-20	95%-0%		1-16	98%-0%	
1-20	100%-0%		1-5	99%-0%	
1-20	87%-0%		1-20	93%-0%	
1-20	86%-0%		1-20	99%-0%	
1-20	86%-0%		1-15	98%-0%	
1-20	95%-0%		1-20	99%-0%	
1-20	89%-0%		1-20	99%-0%	
1-20	100%-0%		1-15	99%-0%	
1-20	100%-0%		1-20	99%-0%	
1-20	88%-0%		1-20	90%-0%	
1-20	92%-0%		1-20	94%-0%	
1-20	86%-0%		1-20	99%-0%	
1-20	90%-0%		1-15	98%-0%	
1-8	90%-0%		1-6	99%-0%	
1-20	94%-0%		1-20	99%-0%	
	N.A.	N.A.		N.A.	N.A.
1-20	96%-0%		1-20	99%-0%	
1-20	95%-0%		1-16	98%-0%	
1-8	100%-0%		1-5	99%-0%	
1-20	98%-0%		1-20	99%-0%	
	N.A.	N.A.	1-13	78%-0%	
1-10	89%-0%		1-9	96%-0%	
	N.A.	N.A.	1-20	92%-0%	
1-20	100%-0%		1-20	99%-0%	
	N.A.	N.A.		0%-86%	98%-0%
1-20	88%-0%		1-20	88%-0%	
1-20	81%-0%		1-15	99%-0%	
1-20	92%-0%		1-20	99%-0%	
5-20	77%-1%		1-5 max	80%-5%	
1-20	100%-0%		1-20	99%-0%	
1-20	100%-0%		1-16	98%-0%	
1-20	96%-0%		1-20	99%-0%	
1-8	100%-0%		1-5	99%-0%	
1-20	100%-0%		1-20	100%-0%	
1-20	92%-0%		1-20	98%-0%	
1-20	95%-0%		1-20	98%-0%	
1-20	100%-0%		1-20	96%-0%	
1-20	89%-0%		1-20	96%-0%	
1-20	98%-0%		1-20	99%-0%	
1-20	80%-0%		1-20	89%-0%	
1-20	98%-0%		1-20	95%-0%	
1-20	95%-0%		1-20	93%-0%	
1-20	97%-0%		1-20	99%-0%	
1-20	87%-0%		1-20	99%-0%	
1-20	95%-0%		1-20	99%-1%	
1-20	76%-0%		1-20	98%-0%	
1-20	88%-0%		1-20	98%-0%	
1-20	95%-0%		1-20	99%-0%	

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

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

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360W – Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W – Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
Busch Jaeger ABB	2250 U	[R] 60 – 600W – Turn
Busch Jaeger ABB	6513 U – 102	[RC] 40 – 420W – Turn
Busch Jaeger ABB	6523 U	[LED] 2 – 100VA – LED – Turn
Busch Jaeger ABB	6526 U	[LED] 2 – 100VA – LED – Push (2wire)
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Leading
Busch Jaeger ABB	6523 U – 102	[LED, R, L, C] 2 – 100W – Turn – Trailing
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Leading
Busch Jaeger ABB	6523 UR – 103	[LED, R, L, C] 2 – 400W – Turn – Trailing
ELKO EKO	EKO07 – 146/- 147/- 148/- 149/- 150/ EKO30195	0 – 200W, LED, Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED – S 120VA (506Dx219)	[LED, RL] 4 – 120W – Slider
SE LK Schneider	LK OPUS 66 LED – S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eitako	EVD61NPN – UC	400W 3 – wire Push Module
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Leading
Eitako	EUD61NPL – 230V	[LED, R, C] 4 – 200W – Module – Trailing
Eitako	DL – PD – 300W – RLC (33000009) Universal	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	127LEDDE	[LED] 3 – 100W – Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W – Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD – 250	[LED] 3 – 24W
Legrand	67083	[RLC] 3 – 400W
Legrand	L4402N	[R] 60 – 500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4 – 400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300 – 0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK – Electric	K1535	[R] 65 – 450W – Turn
MK – Electric	K1501 WHILV	[R] 60 – 500W – Turn
MK – Electric	K4501 WHILV	[RLC] 180W
MK – Electric	K4500 WHILV	[RLC] 400W
NIKO	310 – 0280X	[LED] 2 – 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	3W – 200W, LED, Trailing
PEHA	431HAN	[RL] 6 – 120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4 – 100W
RELCO	RM0545	[LED] 4 – 100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4 – 400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
Schneider	WDE006910 / WDE002306	0-200W, LED, Trailing
VADSBO	VD300	[LED] 0 – 300VA – Turn
VADSBO	LDN200	0-200W, LED
VADSBO	VD200	[RLC] LEDs from 1 – 200VA, Trailing
Varilight	HQ3W	[R] 60 – 400W
Varilight	MJP120	0-120W, LED
Varilight	JQP401W	0-120W, LED
Vimar	20148	[RL] 500W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – leading
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) – Trailing
Zano	ZMO150	0W-150W, LED, Rot

LED Spot								
LED 150W R7S 118mm WH D SRT4 9290020166 LED 150W R7S 118mm CW D 1PF SRT4 9290020167			LED 120W R7S 118mm WH D SRT4 9290013536 LED 120W R7S 118mm WH D RF 1PF/12 9290013536 LED 120W R7S 118mm CW D 1PF SRT4 9290013537			LED 100W R7S 118mm WH D SRT4 9290012437 LED 100W R7S 118mm CW D 1PF SRT4 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%			N.A.	N.A.	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	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%	



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