June 2024

Professional LED Mains Voltage range

Recommended dimmer compatibility list for Mains Voltage lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	See note bellow.
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

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

LED Bulb

MAS LEDBulb DT5.9-60W E27 927 A60 FR G
9290030104

LQ 9031 0490B



Brand	Type	Load	Dimming Performance	Dimming Range	Glowing
Berker |INSTA	286710	[RC] 20 ~ 360 W - Turn	1-12	100% - 0%	
Berker |INSTA	2973	[LED, R, L, C] 3 - 60W - Turn	1-10	98% - 0%	
Bticino | Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 - 75W - Tast	1-13	100% - 0%	
Busch Jaeger |ABB	2250 U	[R] 60 ~ 600 W - Turn	1-5	97% - 0%	
Busch Jaeger |ABB	6513 U - 102	[RC] 40 ~ 420 W - Turn	1-20	100% - 0%	
Busch Jaeger |ABB	6523 U	[LED] 2 ~ 100 VA-LED - Turn	1-17	98% - 0%	
Busch Jaeger |ABB	6526 U	[LED] 2 ~ 100 VA-LED - Push (2wire)	1-17	99% - 0%	
Busch Jaeger |ABB	6523 U-102	[LED, R, L,C] 2 - 100W - Turn- Leading	1-17	97% - 0%	
Busch Jaeger |ABB	6523 U-102	[LED, R, L,C] 2 - 100W - Turn- Trailing	1-17	97% - 0%	
Busch Jaeger |ABB	6523 UR-103	[LED, R, L,C] 2 - 400W - Turn- Leading	1-20	99% - 0%	
Busch Jaeger |ABB	6523 UR-103	[LED, R, L,C] 2 - 400W - Turn- Trailing	1-20	99% - 0%	
ELKO| EKO	EKO07-146/-147/-148/-149/-150/EKO30195	0-200W,LED,Trailing	1-3	99% - 0%	
ELKO| Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-14	99% - 0%	
ELKO| Schneider	SBD315RC (315 GLE)	[RC] 315W	1-11	100% - 0%	
SE LK | Schneider	LK FUGA LED-S 120VA (506Dx219)	[LED, RL] 4 - 120W - Slider	1-20	99% - 0%	
SE LK | Schneider	LK OPUS 66 LED-S 120VA (506Nx219)	[LED, RL] 4 - 120W - Slider	1-20	99% - 0%	
Eltako	EVD61NPN-UC	400W 3-wire Push Module	1-14	99% - 0%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Leading	1-15	99% - 0%	
Eltako	EUD61NPL-230V	[LED, R, C] 4 - 200W - Module-Trailing	1-20	100% - 0%	
Eltako	DL-PD-300W-RLC (33000009) Universal +Dynalite DDBC120-DALI	10-300W, LED, Trailing	1-3	100% - 0%	
Feller| Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-14	99% - 0%	
Feller| Schneider	40300 (SBD315)	[RLC] 300W	1-11	100% - 0%	
Feller| Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	2-3	100% - 0%	
Gira	1176-00/01	[RLC] 50 ~ 420W	1-14	95% - 22%	
Gira | INSTA	5401 00	[LED, R, L, C] 3 - 100W/200W- Tast	1-17	98% - 0%	
Gira | INSTA	2450 00	[LED, R, L, C] 3 - 60W - Turn	1-10	98% - 0%	
Hamilton	LEDIT-B100	5-100W,LED, Trailing	1-3	98% - 0%	
Hamilton	LEDIT-B100	5-100W,LED, Leading	1-3	98% - 0%	
Hager	EVN 011	[RC] 300VA	1-10	99% - 0%	
Hager	EVN 012	[RC] 300W	1-17	99% - 6%	
Hager	EVN 004	[RL] 500VA	1-17	96% - 0%	
Jung	1271LEDDE	[LED] 3 ~ 100W - Push (3wire)	1-17	96% - 0%	
Jung | INSTA	1711DE	[LED, R, L, C] 3 - 100W/200W- Tast	1-17	98% - 0%	
Jung | INSTA	1730DD	[LED, R, L, C] 3 - 60W - Turn	1-10	98% - 0%	
Klik aan Klik uit	AWMD-250	[LED] 3~ 24W	1-4	99% - 0%	
Legrand	67083	[RLC] 3 ~ 400W	1-14	99% - 0%	
Legrand	L4402N	[R] 60~500W		N.A.	N.A.
Merten| Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 ~ 200W(RC) 4~400W(RL)	1-14	99% - 0%	
Merten| Schneider	SBD315RC (MEG5136-0000)	[RC] 315W	1-11	100% - 0%	
Merten | Schneider	MEG5300-0001 (CCT99100)	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	2-3	100% - 0%	
MK - Electric	K1535	[R] 65 ~ 450 W - Turn	1-15	100% - 0%	
MK - Electric	K1501 WHILV	[R] 60 ~ 500 W - Turn	1-17	100% - 0%	
MK - Electric	K4501 WHILV	[RLC] 180W	1-6	99% - 0%	
MK - Electric	K4500 WHILV	[RLC] 400W	1-14	99% - 0%	
NIKO	310-0280X	[LED] 2 ~100 VA	1-17	100% - 0%	
Niko	310-02901	[LED, R, L, C] 3 - 200W - Tast	1-20	100% - 0%	
Niko	310-03901	[LED, R, L, C] 3 - 200W - Turn	1-20	100% - 0%	
Osram	HALOTRONIC HTi DALI 315 DIM+ Dynalite DDBC120-DALI	3W-200W, LED,Trailing	1-3	100% - 0%	
PEHA	431HAN	[RL] 6~120W [LED] 6~60W	1-10	100% - 0%	
Philips	UID8670	[LED] 2 ~ 100 VA-LED - Push (3wire)	1-17	98% - 0%	
RELCO	RP0977	[LED] 4-100W	1-17	99% - 5%	
RELCO	RM0545	[LED] 4-100W	1-17	100% - 0%	
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W	1-11	100% - 0%	
Schneider	SBD200 (WDE 002299)	[ ] 4~400VA - Turn Universal (2wire)	1-14	99% - 0%	
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 - 20VA RL LED / 4 - 100VA RC LED	2-3	100% - 0%	
Schneider	WDE006910/WDE002306	0-200W,LED,Trailing	1-3	99% - 0%	
VADSBO	VD300	[LED] 0 - 300VA - Turn	1-10	99% - 0%	
VADSBO	LDN200	0-200W,LED	1-3	100% - 0%	
VADSBO	VD200	[RLC] LEDs from 1-200VA, Trailing	1-3	97% - 0%	
Varilight	HQ3W	[R] 60-400W	1-14	93% - 0%	
Varilight	MJP120	0-120W,LED	1-3	76% - 0%	
Varilight	JQP401W	0-120W,LED	1-3	68% - 0%	
Vimar	20148	[RL] 500W	1-17	97% - 0%	
Vimar	Universal dimmer 20135.1	[LED] 3 - 200W - Tast	1-20	97% - 3%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Leading	1-20	99% - 0%	
Vimar	Universal dimmer 20136.1	[LED] 3 - 200W - Turn- Trailing	1-20	100% - 0%	
Philips Dynalite	DDLE801	(100W per channel)	1-8	99% - 0%	
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-leading	1-8	98% - 0%	2
Philips Dynalite	DDMC802 (913703243509)	(x W per channel)-Trailing	1-10	99% - 0%	
Zano	ZMO150	0W-150W, LED,Rot	1-3	99% - 0%	