

Operation of LED-Retrofit Lamps

LED Star Candle RL-C60, Mini-Ball RL-D60 with various Dimmers



RL-C60 frosted
44020730



RL-D60 frosted
44120840

Legend:

- green dimmability very good (under 25% light)
- red dimmability critical (flicker and/or sound possible, and/or no less than 25% light)
- white not tested / out of working range of dimmer

Manufacturer	Dimmer-Type, Model	Load Range [W]	Dimmer type	No. of lamps									tested "OK"
				1	2	3	5	8	10	15	20	x	
ABB	2250 U	60 ~ 600 W	Turn										2-20
ABB	6513 U - 102	40 ~ 420 W	Turn										1-20
ABB	6523 U	2 ~ 100 VA-LED	Turn										1-17
ABB	6526 U	2 ~ 100 VA-LED	Push (2 wire)										1-17
ABB	6523 U-102	2 - 100W	Turn- Leading										1-17
ABB	6523 UR-103	2 - 400W	Turn- Leading										1-20
Berker	286710	20 ~ 360 W	Turn										1-12
Berker	2973	3 - 60W	Turn										1-10
Bticino	BTN4411N	3 - 75W	Tast										1-12
Busch Jaeger	2250 U	60 ~ 600 W	Turn										2-20
Busch Jaeger	6513 U - 102	40 ~ 420 W	Turn										1-20
Busch Jaeger	6523 U	2 ~ 100 VA-LED	Turn										1-17
Busch Jaeger	6526 U	2 ~ 100 VA-LED	Push (2 wire)										1-17
Busch Jaeger	6523 U-102	2 - 100W	Turn- Leading										1-17
Busch Jaeger	6523 UR-103	2 - 400W	Turn- Leading										1-20
Eltako	EVD61NPN-UC	400W	Push (3 wire)										1-14
Eltako	EUD61NPL-230V	4 - 200W	R, Leading										1-20
Feller	40200	4 ~ 200W(RC) 4~400W(RL)	RL, RC										1-14
Feller	40300	300W	RLC										1-11
Feller	40200.LED.EB	4 - 20VA RL / 4 - 100VA RC	RL, RC										1-3
GIRA	1176-00/01	50 ~ 420W	RLC										1-14
Gira	5401 00	3 - 100W/200W	Tast										1-17
Gira	2450 00	3 - 60W	Turn										1-10
Hager	EVN 011	300VA	RC										1-10
Hager	EVN 012	300W	RC										1-10
Hager	EVN 004	500VA	RL										1-17
Jung	1271LEDDE	3 ~ 100W	Push (3 wire)										1-17
Jung	1711DE	3 - 100W/200W	Tast										1-17
Jung	1730DD	3 - 60W	Turn										1-10
Klik aan Klik uit	AWMD-250	3~ 24W											1-4
Legrand	BTN4411N	3 - 75W	Tast										1-12
Legrand	67083	3 ~ 400W	RLC										1-14
Legrand	67084	8 -300 VA	RLC, Push (3 wire)										1-10
Legrand	67085 (078406)	8 -300 VA	RLC, Push (3 wire)										1-10
Legrand	L4402N	60~500W	R										1-14
Merten	MEG5134-0000	4 ~ 200W(RC) 4~400W(RL)	RC										1-11
Merten	MEG5136-0000	315W	RC										1-3
Merten	MEG5300-000	4 - 20VA RL / 4 - 100VA RC	RL, RC										1-17
MK - Electric	K1535	65 ~ 450 W	Turn										1-17
MK - Electric	K1501 WHILV	60 ~ 500 W	Turn										1-6
MK - Electric	K4501 WHILV	180W	RLC										1-14
MK - Electric	K4500 WHILV	400W	RLC										1-17
NIKO	310-0280X	2 ~100 VA											1-20
Niko	310-02901	3 - 200W	Tast										1-20
Niko	310-03901	3 - 200W	Turn										1-10
PEHA	431HAN	6~120W RL / 6~60W	RL										1-17
Philips	UID8670	2 ~ 100 VA-LED	Push (3 wire)										1-17
RELCO	RP0977	4-100W											1-17
RELCO	RM0545	4-100W											1-14
Schneider	SBD200LED	4 ~ 200W(RC) 4~400W(RL)	RL, RC										1-11
Schneider	SBD315RC (315 GLE)	315W	RC										1-14
Schneider	SBD200 (WDE 002299)	4~400VA	Turn - Universal										1-3
Schneider	SAE dimmer puck	4 - 20VA RL / 4 - 100VA RC	RL, RC										1-20
SE LK	LK FUGA LED-S 120VA	4 - 120W	Slider RL										1-20
SE LK	LK OPUS 66 LED-S 120VA	4 - 120W	Slider RL										1-10
VADSBO	VD300	0 - 300VA	Turn										2-14
Varilight	HQ3W	60-400W	R										

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Vimar	20148	500W	RL										1-17
Vimar	Universal dimmer 20135.1	3 - 200W	Tast										1-20
Vimar	Universal dimmer 20136.1	3 - 200W	Turn- Leading										1-20
		3 - 200W	Turn- Trailing										1-20

Typical values. Test performed with regarded lamps named. The test results reflect the measurement of the individual devices that were used in tests.
Radium does not take over any responsibility, warranty or liability that this results can also be achieved by using the devices under other conditions or when using successor models of the tested devices or different models of the same manufacturer. The test results were achieved by using the above mentioned LED-lamp types.

Radium does not take over any responsibility, warranty or liability that these results can also be achieved by using the devices under other conditions or when using other LED-lamp types.

Due to the big number of electronic components and many other influence factors noise can emerge in unfavourable condiditons, which may be well audible in the case of resonance.

Generally speaking, employment of trailing edge dimmers is recommended. They require the neutral wire for installation.

Changes, errors and omissions excepted.