

Operation of LED Retrofit Lamps

LED Star Classic RL-A100 HE with various Dimmers



Radium
Die Lichtmarke



RL-A100 frosted

44020821

Legend:

green
yellow
red
white

dimmbility very good (under 25% light)

noise possible

dimmbility critical (flicker/noise possible, and/or not unter 25% light)

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	x		
Berker INSTA	286710	20 ~ 360 W	RC - Turn	green	green	green	green	green	green	green	green	green	1-10
Berker INSTA	2973	3 - 60 W	R,L,C - Turn	green	green	green	green	green	green	green	green	green	1-10
Bticino Legrand	BTN4411N (BTNT4411N, BTI	3 - 75 W	Tast	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	2250 U	60 ~ 600 W	R - Turn	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	6513 U - 102	40 ~ 420 W	RC - Turn	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	6523 U	2 ~ 100 VA	LED - Turn	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	6526 U	2 ~ 100 VA	LED - Push (2wire)	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	6523 U-102	2 - 100 W	R,L,C - Turn - Leading	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	6523 U-102	2 - 100 W	R,L,C - Turn -Trailing	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	6523 UR-103	2 - 400 W	R,L,C - Turn - Leading	green	green	green	green	green	green	green	green	green	1-10
Busch Jaeger ABB	6523 UR-103	2 - 400 W	R,L,C - Turn -Trailing	green	green	green	green	green	green	green	green	green	1-10
ELKO	EKO30195	0 - 200 W	LED - Trailing	green	green	green	green	green	green	green	green	green	1-10
ELKO Schneider	SBD200LED (CCTEL10501)	4 ~ 200 W (RC) 4 ~ 400 W (RI	LED - RC, RL	green	green	green	green	green	green	green	green	green	1-10
ELKO Schneider	SBD315RC (315 GLE)	315 W	RC	green	green	green	green	green	green	green	green	green	1-10
Eltako	EVD61NPN-UC	400 W	3-wire Push Module	green	green	green	green	green	green	green	green	green	1-10
Eltako	EUD61NPL-230V	4 - 200 W	R,C -Module-Leading	green	green	green	green	green	green	green	green	green	1-10
Eltako	EUD61NPL-230V	4 - 200 W	R,C -Module-Trailing	green	green	green	green	green	green	green	green	green	1-10
Feller Schneider	40200 (SBD200LED CCTCH1(4 ~ 200 W (RC), 4 ~ 400 W (R	LED - RC, RL	green	green	green	green	green	green	green	green	green	1-10
Feller Schneider	40300 (SBD315)	300 W	RLC	green	green	green	green	green	green	green	green	green	1-10
Feller Schneider	40200.LED.EB (CCT99100)	4 - 20 VA RL LED / 4 - 100 VA	RL, RC	green	green	green	green	green	green	green	green	green	1-10
GIRA	1176-00/01	50 ~ 420 W	RLC	green	green	green	green	green	green	green	green	green	1-10
Gira INSTA	5401 00	3 - 100 W / 200 W	R,L,C / Tast	green	green	green	green	green	green	green	green	green	1-10
Gira INSTA	2450 00	3 -60 W	R,L,C - Turn	green	green	green	green	green	green	green	green	green	1-10
Hager	EVN 011	300 VA	RC	green	green	green	green	green	green	green	green	green	1-10
Hager	EVN 012	300 W	RC	green	green	green	green	green	green	green	green	green	1-10
Hager	EVN 004	500 VA	RL	green	green	green	green	green	green	green	green	green	1-10
Hamilton	LEDIT-B100	5 - 100 W	LED - Leading - Trailing	green	green	green	green	green	green	green	green	green	1-10
Jung	1271LEDDE	3 ~ 100 W	Push (3wire)	green	green	green	green	green	green	green	green	green	1-10
Jung INSTA	1711DE	3 - 100 W/200 W	R,L,C / Tast	green	green	green	green	green	green	green	green	green	1-10
Jung INSTA	1730DD	3 -60 W	R,L,C - Turn	green	green	green	green	green	green	green	green	green	1-10
Klik aan Klik uit	AWMD-250	3~ 24W		green	green	green	green	green	green	green	green	green	1-10
Legrand	67083	3 ~ 400 W	RLC	green	green	green	green	green	green	green	green	green	1-10
Legrand	67084	8 - 300 VA LED	RLC - Push LED (3wire)	green	green	green	green	green	green	green	green	green	1-10
Legrand	67085 (078406)	8 - 300 VA LED	RLC - Push LED (3wire)	green	green	green	green	green	green	green	green	green	1-10
Legrand	L4402N	60 ~ 500 W	R	red	red	red	red	red	red	red	red	red	1-10
Merten Schneider	MEG5300-0001 (CCT99100)	4 - 20 VA RL LED / 4 - 100 VA	RL, RC	green	green	green	green	green	green	green	green	green	1-10
Merten Schneider	SBD200LED (MEG5134-000C	4 ~ 200 W (RC), 4 ~ 400 W (R	LED / RC, RL	green	green	green	green	green	green	green	green	green	1-10
Merten Schneider	SBD315RC (MEG5136-0000)	315 W	RC	green	green	green	green	green	green	green	green	green	1-10
MK - Electric	K1535	65 ~ 450 W	R - Turn	green	green	green	green	green	green	green	green	green	1-10
MK - Electric	K1501 WHILV	60 ~ 500 W	R60~500W- Turn	green	green	green	green	green	green	green	green	green	1-10
MK - Electric	K4501 WHILV	180 W	RLC	green	green	green	green	green	green	green	green	green	1-10
MK - Electric	K4500 WHILV	400 W	RLC	green	green	green	green	green	green	green	green	green	1-10
NIKO	310-0280X	2 ~ 100 VA	LED / RC, RL	green	green	green	green	green	green	green	green	green	1-10
Niko	310-02901	3 - 200 W	R,L,C - Tast	green	green	green	green	green	green	green	green	green	1-10
Niko	310-03901	3 - 200 W	R,L,C - Turn	green	green	green	green	green	green	green	green	green	1-10
Osram	HALOTRONIC HTi DALI 315	3 - 200 W	LED - Trailing	green	green	green	green	green	green	green	green	green	1-10
PEHA	431HAN	6~120 W / 6 ~ 60 W	RL / LED	green	green	green	green	green	green	green	green	green	1-10
Philips	UID8670	2 ~ 100 VA	LED - Push (3wire)	green	green	green	green	green	green	green	green	green	1-10
Philips Dynalite	DDL801	100 W per channel		green	green	green	green	green	green	green	green	green	1-10
Philips Dynalite	DDMC802 (913703243509)	x W per channel		green	green	green	green	green	green	green	green	green	1-10
RELCO	RP0977	4 - 100 W	LED	red	red	red	red	red	red	red	red	red	1-10
RELCO	RM0545	4 - 100 W	LED	green	green	green	green	green	green	green	green	green	1-10
Schneider	SBD315RC (SBD 315, SDD 31	315 W	RC	green	green	green	green	green	green	green	green	green	1-10
Schneider	SBD200 (WDE 002299)	4 ~ 400 VA	Turn - Universal (2wire)	green	green	green	green	green	green	green	green	green	1-10

Operation of LED Retrofit Lamps

LED Star Classic RL-A100 HE with various Dimmers



RL-A100 frosted

44020821

Legend:	green	dimmmability very good (under 25% light)
	yellow	noise possible
	red	dimmmability critical (flicker/noise possible, and/or not unter 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		x
Schneider	SAE dimmer puck CCT99100 4 - 20 VA RL LED / 4 - 100 VA RL, RC			green	green	green	green	green	green	green	green	1-10
Schneider	WDE006910	0 - 200 W	LED - Trailing	green	green	green	green	green	green	green	green	1-10
SE LK Schneider	LK FUGA LED-S 120VA (506C 4 - 120 W		RL -Slider	green	green	green	green	green	green	green	green	1-10
SE LK Schneider	LK OPUS 66 LED-S 120VA (5C 4 - 120 W		RL -Slider	green	green	green	green	green	green	green	green	1-10
VADSBO	VD300	0 - 300 VA	Turn	green	green	green	green	green	green	green	green	1-10
VADSBO	LDN200	1 - 200 W	LED	green	green	green	green	green	green	green	green	1-10
VADSBO	VD200			green	green	green	green	green	green	green	green	1-10
Varilight	HQ3W	60 - 400 W	R	red	red	red	red	red	red	red	red	1-10
Varilight	MJP120	0 - 120 W	LED	green	green	green	green	green	green	green	green	1-10
Vimar	20148	500 W	RL	green	green	green	green	green	green	green	green	1-10
Vimar	Universal dimmer 20135.1	3 - 200 W	Tast	green	green	green	green	green	green	green	green	1-10
Vimar	Universal dimmer 20136.1	3 - 200 W	Turn - Leading	green	green	green	green	green	green	green	green	1-10
Vimar	Universal dimmer 20136.2	3 - 200 W	Turn - Trailing	green	green	green	green	green	green	green	green	1-10
Zano	ZMO150	0 - 150 W	LED - Rot	green	green	green	green	green	green	green	green	1-10

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.