

Dimmer Compatibility list



ALED A/S Hammeren 6, DK-6800 Varde www.aled.dk Lasted Update: 2021-8-12

Important Notice:

Because dimming equipment, applications, and conditions of use are many, varied, and beyond ALED's control, this information necessarily is based on limited samples sizes and testing.

This list only includes dimmers that have been tested. There may be other dimmers on the market that are compatible with these downlights or luminaires. If you have a question about a particular dimmer that is not on the list, please contact us to see if the model has been tested, or to arrange testing.

ALED's downlights are made to work with trailing edge (reverse phase) and leading edge (forward phase) phase cut dimmers. However, the use of leading edge dimmers is not recommended, as the downlights may emit a low level of audible noise when used with some leading edge dimmers. There might be a minimum wattage load on the dimmer. If this minimum load is not met, there might be compatibility issues.

Maximum number of downlights on a dimmer

The following need to be considered when determining the amount of downlights on a dimmer.

1. There is a repetitive, very brief current spike the LED downlight will see twice per cycle. This current spike has to be provided by the dimmer, and will affect the recommended downlight load on each dimmer.
 2. Ultimately the dimmer manufacturer is the only one with authority to rate their product, but ALED can give an Engineering estimate.
 3. We recommend to use a 5.0 de-rating factor for halogen/incandescent dimmers loaded with our 230V LED downlights.
- For example for a 500W dimmer it would mean $500/5 = 100W$ of LED, so an estimated maximum of 16 downlights 6W LED downlights.

Disclaimer

Compatibility tests are conducted by ALED only as guidance for the user. All tests are conducted under bench conditions; results may differ from test results depending on conditions at the application site. Results may vary due to variability in component choices and manufacturing processes

No.	Manufacturer	Models	EVO S	EVO E	EVO E Fixed	EVO D	EVO 3	EVO 12
			1-10pcs	1-10pcs	1-10pcs	1-10pcs	1-10pcs	1-10pcs
1	ALED	EasyDimmer 200	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
2	ALED	EasyDimmer 500	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
3	ABB	6523U	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
4	ABB	AE412	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
5	Aurora	AU-DSP 400X	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
6	British General	DM400AP	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
7	Busch Jaeger	6517 U-101	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
8	Busch Jaeger	6523 U-102	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
9	Busch Jaeger	2250U	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
10	Casambi	CBU-TED	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
11	Click	CMA145 MD9022	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
12	Clipsal	32E450UD	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
13	Clipsal	32E450LM	10-100%	10-100%	10-100%	10-100%	10-100%	10-100%
14	Clipsal	32E450TM	10-100%	10-100%	10-100%	10-100%	10-100%	10-100%
15	EHMANN	T55.20	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
16	ELKO	RS16/400	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
17	ELKO	CCTEL12013	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
18	ELKO	630GLE	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%

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			1-10pcs	1-10pcs	1-10pcs	1-10pcs	1-10pcs	1-10pcs
19	ELKO	EKO07090	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
20	Eltako	EUD61NPN - 230V	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
21	Eltako	EUD61NP - 230V	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
22	Hamilton	H-GDM250W VA	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
23	Hamilton	741 XLEDITB100	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
24	Hilux	To-Dim-LED 500	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
25	Jung	225 TDE	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
26	JUNG	243EX	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
27	Jung	244 HEX	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
28	Kopp	8002	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
29	LK	506N5114	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
30	LK	FUGA LED250 TOUCH	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
31	LK	820B1250	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
32	MK	K4501	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
33	MK	K1501LV	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
34	MK	K152WHILV	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
35	MEGAMAN	SS-LD-150	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
36	RAKO	RMT500	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
37	RAKO	RAK4T	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
38	Robus	RLA200DT-01	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
39	Shuttle	SDIM-T-LED-125W	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
40	Spazio	SPL TRIDIM 842	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
41	Spazio	SPL UNIDIM 201	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
42	Schneider	E8331RD250_WG_C1	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
43	Schneider	MTN577199	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
44	Schneider	MTN5135-0000	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
45	Schneider	WDE002311	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
46	Schneider	WDE002319	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
47	Schneider	E3031HD	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
48	SG	LEDDIM 200	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
49	SG	LEDDIM SMART PUSH	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
50	Star Trading	399-01	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
51	VADSBO	LD 220	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
52	VADSBO	VD220	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
53	VERMER	VE773400	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
54	Vimar	20148	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
55	WUYUNELEK	W13-C192	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%
56	Yokis	MTV500E	5-100%	5-100%	5-100%	5-100%	5-100%	5-100%