

LED Driver with different phase-cut dimmers

Caution!

The maximum number of LED Driver per dimmer is defined by the power of the Driver and the dimmer: The total power of all connected Drivers must not exceed 50 % of the power of the dimmer.

Example:

Power of dimmer: 600 W – 50 % power = 300 W

Power of Driver: 15 W

Maximum number of LED Drivers: 300 W : 15 W ≤ 20 devices

LCA 15W 180-350mA flexC pc SR ADV (87500627) – Values for dimmers at 180 mA min. load, 230 V / 50 Hz

Product name	Article no.	Dimmer type ^①	Driver per dimmer	Noise rating ^②	Flicker rating ^③	Min. dimming level	Other issues ^④
CLIPSAL	32E450LM	leading	2-3	4	1	8.8 %	
CLIPSAL	32E450UDM	universal	1-27	1	1	11.4 %	
CLIPSAL	32E450TM	trailing	1-27	1	1	9.3 %	
GIRA	30200	leading	1-3	3	1	8.1 %	
BerKer	283010	leading	–	2	5	N/A	Not useful
ELKO	315GLE	trailing	1-5	1	1	3.8 %	
ELKO	316GLED	trailing	1-20	1	1	25.5 %	
Busch Jaeger	6523U	leading	1-6	2	1	0.7 %	
Legrand	78405	leading	–	3	5	N/A	Not useful
Legrand	78401	trailinig	–	2	5	N/A	Not useful
Schneider	40300 RC	trailing	1-19	1	1	14.2 %	
Schneider	40600.RL	leading	2-4	3	1	9.8 %	
Finder	15.91.8	leading	1-2	2	1	5.6 %	
Hager	EVN011	universal	2-18	1	1	18.4 %	
Hager	EVN012	universal	2-18	1	2	19.0 %	
Niko	325	universal	1-20	3	1	0.1 %	
GIRA	117600/I01	trailing	1-26	1	1	0.1 %	
Busch	2247U	leading	–	3	5	0.7 %	Not useful

^① Dimmer types: leading, trailing, universal

^② Noise evaluation: 1 (very littlenoise) – 4 (strong noise). Noise evaluation was only carried out for full load. Values for minimum load are less critical. For reference refer to full load.

^③ Flickerevaluation: 1 (no flicker) – 5 (strong flicker)

^④ Other issues: description ofthe issue. ZSL-UP is an additional circuit that can improve the dimming behavior of specific lamps

LED Driver with different phase-cut dimmers

LCA 15W 180-350mA flexC pc SR ADV (87500627) – Values for dimmers at 180 mA full load, 230 V / 50 Hz

Product name	Article no.	Dimmer type ^①	Driver per dimmer	Noise rating ^②	Flicker rating ^③	Min. dimming level	Other issues ^④
CLIPSAL	32E450LM	leading	2-9	3	1	4.2 %	
CLIPSAL	32E450UDM	universal	1-20	1	1	4.2 %	
CLIPSAL	32E450TM	trailing	1-20	1	1	3.0 %	
GIRA	30200	leading	1-3	3	1	4.0 %	
BerKer	283010	leading	2-4	2	1	5.3 %	
ELKO	315GLE	trailing	1-3	1	1	1.7 %	
ELKO	316GLED	trailing	1-14	1	1	20.9 %	
Busch Jaeger	6523U	leading	1-5	2	1	0.1 %	
Legrand	78405	leading	–	3	5	N/A	Not useful
Legrand	78401	trailing	1-18	2	2	0.1 %	
Schneider	40300 RC	trailing	1-14	1	1	7.8 %	
Schneider	40600.RL	leading	2-9	3	1	5.3 %	
Finder	15.91.8	leading	1-2	2	1	1.8 %	
Hager	EVN011	universal	1-14	1	1	1.0 %	
Hager	EVN012	universal	1-14	1	1	12.6 %	
Niko	325	universal	1-15	3	1	0.1 %	
GIRA	117600/I01	trailing	1-19	1	1	0.1 %	
Busch	2247U	leading	2-4	3	1	2.4 %	

^① Dimmer types: leading, trailing, universal

^② Noise evaluation: 1 (very little noise) – 4 (strong noise). Noise evaluation was only carried out for full load. Values for minimum load are less critical. For reference refer to full load.

^③ Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

^④ Other issues: description of the issue. ZSL-UP is an additional circuit that can improve the dimming behavior of specific lamps

LED Driver with different phase-cut dimmers

LCA 15W 180-350mA flexC pc SR ADV (87500627) – Values for dimmers at 250 mA min. load, 230 V / 50 Hz

Product name	Article no.	Dimmer type ^①	Driver per dimmer	Noise rating ^②	Flicker rating ^③	Min. dimming level	Other issues ^④
CLIPSAL	32E450LM	leading	2-4	3	1	6.9 %	
CLIPSAL	32E450UDM	universal	1-20	1	1	8.6 %	
CLIPSAL	32E450TM	trailing	1-20	1	1	7.0 %	
GIRA	30200	leading	1-3	2	1	6.8 %	
BerKer	283010	leading	–	2	5	N/A	Not useful
ELKO	315GLE	trailing	1-5	1	1	2.3 %	
ELKO	316GLED	trailing	1-14	1	1	19.8 %	
Busch Jaeger	6523U	leading	1-5	2	1	0.6 %	
Legrand	78405	leading	–	3	5	N/A	Not useful
Legrand	78401	trailing	2-18	3	1	0.1 %	
Schneider	40300 RC	trailing	1-14	1	1	11.0 %	
Schneider	40600.RL	leading	5-9	3	1	8.4 %	
Finder	15.91.8	leading	1-2	2	1	5.0 %	
Hager	EVN011	universal	1-14	1	1	3.7 %	
Hager	EVN012	universal	1-14	1	1	3.8 %	
Niko	325	universal	1-15	3	1	0.1 %	
GIRA	117600/I01	trailing	1-19	1	1	11.9 %	
Busch	2247U	leading	1-4	3	1	9.2 %	

^① Dimmer types: leading, trailing, universal

^② Noise evaluation: 1 (very little noise) – 4 (strong noise). Noise evaluation was only carried out for full load. Values for minimum load are less critical. For reference refer to full load.

^③ Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

^④ Other issues: description of the issue. ZSL-UP is an additional circuit that can improve the dimming behavior of specific lamps

LED Driver with different phase-cut dimmers

LCA 15W 180-350mA flexC pc SR ADV (87500627) – Values for dimmers at 250 mA full load, 230 V / 50 Hz

Product name	Article no.	Dimmer type ^①	Driver per dimmer	Noise rating ^②	Flicker rating ^③	Min. dimming level	Other issues ^④
CLIPSAL	32E450LM	leading	2-16	2	1	2.8 %	
CLIPSAL	32E450UDM	universal	1-16	1	1	3.1 %	
CLIPSAL	32E450TM	trailing	1-16	1	1	2.1 %	
GIRA	30200	leading	2-4	3	1	2.4 %	
BerKer	283010	leading	2	2	1	3.3 %	
ELKO	315GLE	trailing	1-2	1	1	1.1 %	
ELKO	316GLED	trailing	1-11	1	1	16.6 %	
Busch Jaeger	6523U	leading	1-4	2	1	0.1 %	
Legrand	78405	leading	–	3	5	N/A	Not useful
Legrand	78401	trailing	2-14	3	1	0.1 %	
Schneider	40300 RC	trailing	1-11	1	–	5.1 %	
Schneider	40600.RL	leading	2-9	3	1	3.5 %	
Finder	15.91.8	leading	1-2	2	1	1.3 %	
Hager	EVN011	universal	1-11	1	1	0.7 %	
Hager	EVN012	universal	1-11	1	1	0.8 %	
Niko	325	universal	1-12	3	1	0.1 %	
GIRA	117600/I01	trailing	1-15	1	1	6.4 %	
Busch	2247U	leading	1-4	3	1	9.2 %	

^① Dimmer types: leading, trailing, universal

^② Noise evaluation: 1 (very little noise) – 4 (strong noise). Noise evaluation was only carried out for full load. Values for minimum load are less critical. For reference refer to full load.

^③ Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

^④ Other issues: description of the issue. ZSL-UP is an additional circuit that can improve the dimming behavior of specific lamps

LED Driver with different phase-cut dimmers

LCA 15W 180-350mA flexC pc SR ADV (87500627) – Values for dimmers at 350 mA min. load, 230 V / 50 Hz

Product name	Article no.	Dimmer type ^①	Driver per dimmer	Noise rating ^②	Flicker rating ^③	Min. dimming level	Other issues ^④
CLIPSAL	32E450LM	leading	5-9	2	1	5.4 %	
CLIPSAL	32E450UDM	universal	1-17	1	1	6.3 %	
CLIPSAL	32E450TM	trailing	1-17	1	1	5.3 %	
GIRA	30200	leading	–	3	5	6.1 %	Not useful
BerKer	283010	leading	1-3	2	1	6.2 %	
ELKO	315GLE	trailing	1-4	1	1	1.6 %	
ELKO	316GLED	trailing	1-12	1	1	15.1 %	
Busch Jaeger	6523U	leading	1-4	1	1	0.6 %	
Legrand	78405	leading	–	3	5	N/A	Not useful
Legrand	78401	trailing	1-15	3	5	0.0 %	
Schneider	40300 RC	trailing	1-12	1	1	8.0 %	
Schneider	40600.RL	leading	2-5	3	1	7.5 %	
Finder	15.91.8	leading	1-2	2	1	6.1 %	
Hager	EVN011	universal	1-12	1	1	3.1 %	
Hager	EVN012	universal	1-12	1	1	3.0 %	
Niko	325	universal	1-13	2	1	0.0 %	
GIRA	117600/I01	trailing	2-16	1	1	9.1 %	
Busch	2247U	leading	1-4	3	1	6.5 %	

^① Dimmer types: leading, trailing, universal

^② Noise evaluation: 1 (very little noise) – 4 (strong noise). Noise evaluation was only carried out for full load. Values for minimum load are less critical. For reference refer to full load.

^③ Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

^④ Other issues: description of the issue. ZSL-UP is an additional circuit that can improve the dimming behavior of specific lamps

LED Driver with different phase-cut dimmers

LCA 15W 180-350mA flexC pc SR ADV (87500627) – Values for dimmers at 350 mA full load, 230 V / 50 Hz

Product name	Article no.	Dimmer type ^①	Driver per dimmer	Noise rating ^②	Flicker rating ^③	Min. dimming level	Other issues ^④
CLIPSAL	32E450LM	leading	1-11	2	1	2.7 %	
CLIPSAL	32E450UDM	universal	1-11	1	1	2.5 %	
CLIPSAL	32E450TM	trailing	1-11	1	1	1.9 %	
GIRA	30200	leading	1-4	3	1	2.2 %	
BerKer	283010	leading	1-10	2	1	6.2 %	
ELKO	315GLE	trailing	1-4	1	1	0.6 %	
ELKO	316GLED	trailing	1-8	1	1	13.3 %	
Busch Jaeger	6523U	leading	1-3	2	–	0.0 %	
Legrand	78405	leading	–	3	5	N/A	Not useful
Legrand	78401	trailing	2-10	3	1	0.0 %	
Schneider	40300 RC	trailing	1-8	1	1	3.9 %	
Schneider	40600.RL	leading	1-9	3	1	4.1 %	
Finder	15.91.8	leading	1-2	2	1	1.7 %	
Hager	EVN011	universal	1-8	1	1	0.7 %	
Hager	EVN012	universal	1-8	1	1	0.7 %	
Niko	325	universal	1-8	2	1	0.0 %	
GIRA	117600/I01	trailing	1-11	1	1	4.5 %	
Busch	2247U	leading	1-13	3	1	18.7 %	

^① Dimmer types: leading, trailing, universal

^② Noise evaluation: 1 (very little noise) – 4 (strong noise). Noise evaluation was only carried out for full load. Values for minimum load are less critical. For reference refer to full load.

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