

# 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 44W 700-1050mA flexC pc SR ADV (87500605) – Values for dimmers at 700 mA min. load, 230 V / 50 Hz

Product name	Article no.	Dimmer type <sup>①</sup>	Driver per dimmer	Noise rating <sup>②</sup>	Flicker rating <sup>③</sup>	Min. dimming level	Other issues <sup>④</sup>
CLIPSAL	32E450LM	leading	1-4	3	1	7.6 %	
CLIPSAL	32E450UDM	universal	1-10	1	1	6.5 %	
CLIPSAL	32E450TM	trailing	1-10	1	1	5.4 %	
GIRA	30200	leading	1-4	3	1	9.2 %	
BerKer	283010	leading	–	3	4	4.9 %	Not useful
ELKO	315GLE	trailing	1-5	1	1	1.7 %	
ELKO	316GLED	trailing	1-7	1	1	11.9 %	
Busch Jaeger	6523U	leading	1-2	2	1	0.9 %	
Legrand	78405	leading	–	2	5	0.0 %	Not useful
Legrand	78401	trailing	1-9	1	1	0.0 %	
Schneider	40300 RC	trailing	1-6	1	1	7.6 %	
Schneider	40600.RL	leading	1-13	2	1	10.2 %	
Finder	15.91.8	leading	1-1	3	1	5.8 %	
Hager	EVN011	universal	1-7	1	1	4.1 %	
Hager	EVN012	universal	1-7	1	1	4.2 %	
Niko	325	universal	1-7	2	1	0.0 %	
GIRA	117600/I01	trailing	1-9	1	1	8.8 %	
Busch	2247U	leading	–	3	3	13.2 %	Not useful

<sup>①</sup> Dimmer types: leading, trailing, universal

<sup>②</sup> 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.

<sup>③</sup> Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

<sup>④</sup> 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 44W 700-1050mA flexC pc SR ADV (87500605) – Values for dimmers at 700 mA full load, 230 V / 50 Hz

Product name	Article no.	Dimmer type <sup>①</sup>	Driver per dimmer	Noise rating <sup>②</sup>	Flicker rating <sup>③</sup>	Min. dimming level	Other issues <sup>④</sup>
CLIPSAL	32E450LM	leading	1-5	3	1	4.1 %	
CLIPSAL	32E450UDM	universal	1-7	1	1	2.0 %	
CLIPSAL	32E450TM	trailing	1-7	1	1	1.4 %	
GIRA	30200	leading	1-9	3	1	4.9 %	
BerKer	283010	leading	1-6	3	2	6.3 %	
ELKO	315GLE	trailing	1-5	1	1	0.1 %	
ELKO	316GLED	trailing	1-5	1	1	8.8 %	
Busch Jaeger	6523U	leading	1-1	2	1	0.3 %	
Legrand	78405	leading	2-5	2	1	0.0 %	
Legrand	78401	trailing	1-6	1	1	0.0 %	
Schneider	40300 RC	trailing	1-5	1	1	2.5 %	
Schneider	40600.RL	leading	1-9	3	2	6.0 %	
Finder	15.91.8	leading	1-1	2	1	2.2 %	
Hager	EVN011	universal	1-5	1	1	0.7 %	
Hager	EVN012	universal	1-5	1	1	2.0 %	
Niko	325	universal	1-5	2	1	0.0 %	
GIRA	117600/I01	trailing	1-6	1	1	3.4 %	
Busch	2247U	leading	1-8	3	1	8.3 %	

<sup>①</sup> Dimmer types: leading, trailing, universal

<sup>②</sup> 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.

<sup>③</sup> Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

<sup>④</sup> 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 44W 700-1050mA flexC pc SR ADV (87500605) – Values for dimmers at 1,050 mA min. load, 230 V / 50 Hz

Product name	Article no.	Dimmer type <sup>①</sup>	Driver per dimmer	Noise rating <sup>②</sup>	Flicker rating <sup>③</sup>	Min. dimming level	Other issues <sup>④</sup>
CLIPSAL	32E450LM	leading	1-7	3	1	6.7 %	
CLIPSAL	32E450UDM	universal	1-7	2	1	4.5 %	
CLIPSAL	32E450TM	trailing	1-7	1	1	3.7 %	
GIRA	30200	leading	1-9	3	1	8.6 %	
BerKer	283010	leading	1-6	3	1	10.5 %	
ELKO	315GLE	trailing	1-5	2	1	0.8 %	
ELKO	316GLED	trailing	1-5	2	1	4.2 %	
Busch Jaeger	6523U	leading	1-1	3	2	1.2 %	
Legrand	78405	leading	2-5	3	1	0.0 %	
Legrand	78401	trailing	1-6	2	1	0.0 %	
Schneider	40300 RC	trailing	1-5	2	1	4.8 %	
Schneider	40600.RL	leading	1-5	3	1	9.9 %	
Finder	15.91.8	leading	1-1	3	1	4.9 %	
Hager	EVN011	universal	1-5	3	1	2.1 %	
Hager	EVN012	universal	1-5	3	1	2.1 %	
Niko	325	universal	1-5	2	1	0.0 %	
GIRA	117600/I01	trailing	1-7	1	1	7.7 %	
Busch	2247U	leading	1-8	3	1	13.0 %	

<sup>①</sup> Dimmer types: leading, trailing, universal

<sup>②</sup> 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.

<sup>③</sup> Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

<sup>④</sup> 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 44W 700-1050mA flexC pc SR ADV (87500605) – Values for dimmers at 1,050 mA full load, 230 V / 50 Hz

Product name	Article no.	Dimmer type <sup>①</sup>	Driver per dimmer	Noise rating <sup>②</sup>	Flicker rating <sup>③</sup>	Min. dimming level	Other issues <sup>④</sup>
CLIPSAL	32E450LM	leading	1-5	3	1	4.9 %	
CLIPSAL	32E450UDM	universal	1-5	2	1	2.4 %	
CLIPSAL	32E450TM	trailing	1-5	1	1	1.9 %	
GIRA	30200	leading	1-6	3	1	6.1 %	
BerKer	283010	leading	1-4	3	1	8.1 %	
ELKO	315GLE	trailing	1-3	2	1	0.3 %	
ELKO	316GLED	trailing	1-3	2	1	2.2 %	
Busch Jaeger	6523U	leading	1-1	3	1	0.5 %	
Legrand	78405	leading	1-6	3	2	0.0 %	
Legrand	78401	trailing	1-4	2	1	0.0 %	
Schneider	40300 RC	trailing	1-3	2	1	2.3 %	
Schneider	40600.RL	leading	1-6	3	1	7.5 %	
Finder	15.91.8	leading	1-1	3	1	3.7 %	
Hager	EVN011	universal	1-3	3	1	1.0 %	
Hager	EVN012	universal	1-3	3	1	1.1 %	
Niko	325	universal	1-3	2	1	0.0 %	
GIRA	117600/I01	trailing	1-4	1	1	3.4 %	
Busch	2247U	leading	1-5	3	1	8.9 %	

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<sup>③</sup> Flicker evaluation: 1 (no flicker) – 5 (strong flicker)

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