

## LED Drivers with different phase-cut dimmers

### **⚠ CAUTION!**

The maximum number of LED Drivers per dimmer is defined by the power of the LED Driver and the dimmer:

- \_ The total power of all connected LED Drivers must not exceed 50 % of the power of the dimmer.

#### **Example:**

- \_ Power of dimmer: 600 W → 50 % power: 300 W
- \_ Power of LED Driver: 15 W
- \_ Maximum number of LED Drivers:  $300 \text{ W} : 15 \text{ W} \leq 20$  devices

## LED Drivers with different phase-cut dimmers

### LCBI 10W 180mA PHASE-CUT / 1-10V SR (87500273) – Values for dimmers at full load

Product name	Article number	Dimmer type <sup>1</sup>	LED Drivers per dimmer	Noise rating	Flicker rating <sup>3</sup>	Other issues <sup>4</sup>
TCL K9051 630W	K9051	leading	1-21	3	1	
Schneider 500W	EV51RD400	leading	1-16	3	1	
Panasonic 400	WFH549	leading	1-13	3	1	
CLIPSAL 32E 450TM	32E450TM	trailing	1-15	2	1	
Elko 40 315 VA (315LE)	1471444	trailing	1-10	2	1	
E-LITE 500W	U116	trailing	1-16	2	1	
ShiTongSongBen 100		leading	1-3	3	1	
CLIPSAL 32E 450 UDM	32E450UDM	universal	1-15	3	1	
Siemens 40-500W		leading	1-16	3	1	
KaoYi 40-250W	KA-DSP250PZ	leading	1-8	4	4	Min. load flicker
Lutron 40-1200W	GRX-3102-AU	leading	1-40	3	1	
ATIA 20-300W	3GIB703	trailing	1-10	2	1	
CLIPSAL CBus 2 L5508D1A	10871212	leading	8 x 10 channel	3	2	Min. load flicker, can set the dimmer by software to solve this problem

## LED Drivers with different phase-cut dimmers

CLIPSAL CBus 2 L5504D1A		universal	4 x 10 channel	3	1	
D & C XHB 15w-150w		leading	1-5	3	2	Dimming depth > 38 %
Legrand HPM 400L 10-400W	cat400L	leading	1-13	3	1	
Legrand 25-500	ADW-LS5	leading	1-16	4	4	Min. load flicker
CHNT 500W	NEW6-L30510	leading	1-16	3	1	
Clipsal 40-600	E3031HD	leading	1-20	3	1	
Simon 45E101 500W	45E101	trailing	1-16	3	1	
Tridonic DALI PCD 300One4all	86458303	universal	1-20	2	1	
E-LITE 500W	SED-200A	trailing	1-16	2	1	
Schneider 400W	C460	leading	1-13	3	1	

### Explanation:

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) → 4 (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 Drivers with different phase-cut dimmers

### LCBI 10W 180mA PHASE-CUT / 1-10V SR (87500273) – Values for dimmers at minimum load

Product name	Article no.	Dimmer type <sup>1</sup>	LED Drivers per dimmer	Noise rating	Flicker rating <sup>3</sup>	Other issues <sup>4</sup>
TCL K9051 630W	K9051	leading	1-42	3	1	
Schneider 500W	EV51RD400	leading	1-32	3	1	
Panasonic 400	WFH549	leading	1-26	3	3	Flicker at 190mA
CLIPSAL 32E 450TM	32E450TM	trailing	1-30	2	1	
Elko 40 315 VA (315LE)	1471444	trailing	1-20	2	1	
E-LITE 500W	U116	trailing	1-32	2	1	
ShiTongSongBen 100		leading	1-6	3	1	
CLIPSAL 32E 450 UDM	32E450UDM	universal	1-30	3	1	
Siemens 40-500W		leading	1-32	3	1	
KaoYi 40-250W	KA-DSP250PZ	leading	1-16	3	1	
Lutron 40-1200W	GRX-3102-AU	leading	1-80	4	4	Min. load flicker
ATIA 20-300W	3GIB703	trailing	1-20	2	1	

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CLIPSAL CBus 2 L5508D1A	10871212	leading	8 x 10 channel	3	2	Min. load flicker, can set the dimmer by software to solve this problem
CLIPSAL CBus 2 L5504D1A		universal	4 x 10 channel	3	1	
D & C XHB 15w-150w		leading	1-10	3	1	Dimming Range 50 ~ 100 %
Legrand HPM 400L 10-400W	cat400L	leading	1-26	3	1	
Legrand 25-500	ADW-LS5	leading	1-32	4	4	Min. load flicker
CHNT 500W	NEW6-L30510	leading	1-32	3	3	Flicker at 70mA
Clipsal 40-600	E3031HD	leading	1-40	3	1	
Simon 45E101 500W	45E101	trailing	1-32	3	1	
Tridonic DALI PCD 300One4all	86458303	universal		3	1	
Schneider 400W	C460	leading	1-26	3	1	
Schneider	K31RD400	leading		4	2	

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## LED Drivers with different phase-cut dimmers

### LCBI 10W 350mA PHASE-CUT / 1-10V SR (87500274) – Values for dimmers at full load

Product name	Article no.	Dimmer type <sup>1</sup>	LED Drivers per dimmer	Noise rating	Flicker rating <sup>3</sup>	Other issues <sup>4</sup>
TCL K9051 630W	K9051	leading	1-21	3	1	
Schneider 500W	EV51RD400	leading	1-16	3	4	Min. load flicker
Panasonic 400	WFH549	leading	1-13	3	1	
CLIPSAL 32E 450TM	32E450TM	trailing	1-15	2	1	
Elko 40 315 VA (315LE)	1471444	trailing	1-10	2	1	
E-LITE 500W	U116	trailing	1-16	2	1	
ShiTongSongBen 100		leading	1-3	3	1	
CLIPSAL 32E 450 UDM	32E450UDM	universal	1-15	2	1	
Siemens 40-500W		leading	1-16	3	4	Min. load flicker
KaoYi 40-250W	KA-DSP250PZ	leading	1-8	3	1	
Lutron 40-1200W	GRX-3102-AU	leading	1-40	3	1	
ATIA 20-300W	3GIB703	trailing	1-10	2	1	
CLIPSAL CBus 2 L5508D1A	10871212	leading	8 x 10 channel	3	2	Min. load flicker, can set the dimmer by software to solve this problem
CLIPSAL CBus 2 L5504D1A		universal	4 x 10 channel	3	1	
D & C XHB 15w-150w		leading	1-5	3	2	Min. load flicker

## LED Drivers with different phase-cut dimmers

Legrand HPM 400L 10-400W	cat400L	leading	1-13	3	1	
Legrand 25-500	ADW-LS5	leading	1-16	3	4	Min. load flicker
CHNT 500W	NEW6-L30510	leading	1-16	3	4	Min. load flicker
Clipsal 40-600	E3031HD	leading	1-20	3	4	Min. load flicker
Simon 45E101 500W	45E101	trailing	1-16	3	1	
Tridonic DALI PCD 300One4all	86458303	universal	1-15	2	1	

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## LCBI 10W 350mA PHASE-CUT / 1-10V SR (87500274) – Values for dimmers at minimum load

Product name	Article no.	Dimmer type <sup>1</sup>	LED Drivers per dimmer	Noise rating	Flicker rating <sup>3</sup>	Other issues <sup>4</sup>
TCL K9051 630W	K9051	leading	1-42	3	1	
Schneider 500W	EV51RD400	leading	1-32	3	4	Min. load flicker
Panasonic 400	WFH549	leading	1-26	3	1	
CLIPSAL 32E 450TM	32E450TM	trailing	1-30	2	1	
Elko 40 315 VA (315LE)	1471444	trailing	1-20	2	1	
E-LITE 500W	U116	trailing	1-32	2	1	
ShiTongSongBen 100		leading	1-6	3	1	
CLIPSAL 32E 450 UDM	32E450UDM	universal	1-30	2	1	
Siemens 40-500W		leading	1-32	3	4	Min. load flicker
KaoYi 40-250W	KA-DSP250PZ	leading	1-16	3	1	
Lutron 40-1200W	GRX-3102-AU	leading	1-80	3	1	
ATIA 20-300W	3GIB703	trailing	1-20	2	1	
CLIPSAL CBus 2 L5508D1A	10871212	leading	8 x 10 channel	3	2	Min. load flicker, can set the dimmer by software to solve this problem
CLIPSAL CBus 2 L5504D1A		universal	4 x 10 channel	3	2	Min. load flicker, can set the dimmer by software to solve this problem



## LED Drivers with different phase-cut dimmers

D & C XHB 15w-150w		leading	1-10	3	1	
Legrand HPM 400L 10-400W	cat400L	leading	1-26	3	1	
Legrand 25-500	ADW-LS5	leading	1-32	3	4	Min. load flicker
CHNT 500W	NEW6-L30510	leading	1-32	3	4	Min. load flicker
Clipsal 40-600	E3031HD	leading	1-40	3	4	Min. load flicker
Simon 45E101 500W	45E101	trailing	1-32	3	1	
Tridonic DALI PCD 300One4all	86458303	universal	1-15	2	1	

### Explanation:

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## LED Drivers with different phase-cut dimmers

### LCBI 10W 500mA PHASE-CUT / 1-10V SR (87500275) – Values for dimmers at full load

Product name	Article no.	Dimmer type <sup>1</sup>	LED Drivers per dimmer	Noise rating	Flicker rating <sup>3</sup>	Other issues <sup>4</sup>
TCL K9051 630W	K9051	leading	1-21	3	1	
Schneider 500W	EV51RD400	leading	1-16	3	1	
Panasonic 400	WFH549	leading	1-13	3	1	
CLIPSAL 32E 450TM	32E450TM	trailing	1-15	2	1	
Elko 40 315 VA (315LE)	1471444	trailing	1-10	2	1	
E-LITE 500W	U116	trailing	1-16	2	1	
ShiTongSongBen 100		leading	1-3	3	1	
CLIPSAL 32E 450 UDM	32E450UDM	universal	1-15	2	1	
Siemens 40-500W		leading	1-16	3	1	
KaoYi 40-250W	KA-DSP250PZ	leading	1-8	3	1	
Lutron 40-1200W	GRX-3102-AU	leading	1-40	3	1	
ATIA 20-300W	3GIB703	trailing	1-10	2	1	
CLIPSAL CBus 2 L5508D1A	10871212	leading	8 x 10 channel	3	2	Min. load flicker, can set the dimmer by software to solve this problem

## LED Drivers with different phase-cut dimmers

CLIPSAL CBus 2 L5504D1A		universal	4 x 10 channel	3	1	
D & C XHB 15w-150w		leading	1-5	3	2	Dimming Depth 50 ~ 100 %
Legrand HPM 400L 10-400W	cat400L	leading	1-13	3	1	
Legrand 25-500	ADW-LS5	leading	1-16	3	1	
CHNT 500W	NEW6-L30510	leading	1-16	3	1	
Clipsal 40-600	E3031HD	leading	1-20	3	1	
Simon 45E101 500W	45E101	trailing	1-16	3	1	
Tridonic DALI PCD 300One4all	86458303	universal	1-20	2	1	

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TCL K9051 630W	K9051	leading	1-42	3	1	
Schneider 500W	EV51RD400	leading	1-32	3	2	
Panasonic 400	WFH549	leading	1-26	3	2	
CLIPSAL 32E 450TM	32E450TM	trailing	1-30	3	4	Min. load flicker
Elko 40 315 VA (315LE)	1471444	trailing	1-20	2	1	
E-LITE 500W	U116	trailing	1-32	2	1	
ShiTongSongBen 100		leading	1-6	3	1	
CLIPSAL 32E 450 UDM	32E450UDM	universal	1-30	2	2	Dimming Depth 50 ~ 100 %
Siemens 40-500W		leading	1-32	3	1	
KaoYi 40-250W	KA-DSP250PZ	leading	1-16	3	1	
Lutron 40-1200W	GRX-3102-AU	leading	1-80	3	1	
ATIA 20-300W	3GIB703	trailing	1-20	2	1	
CLIPSAL CBus 2 L5508D1A	10871212	leading	8 x 10 channel	3	2	Min. load flicker, can set the dimmer by software to solve this problem

## LED Drivers with different phase-cut dimmers

CLIPSAL CBus 2 L5504D1A		universal	4 x 10 channel	3	2	Min. load flicker
D & C XHB 15w-150w		leading	1-10	3	1	Dimming Depth 50 ~ 100 %
Legrand HPM 400L 10-400W	cat400L	leading	1-26	3	1	
Legrand 25-500	ADW-LS5	leading	1-32	3	1	
CHNT 500W	NEW6-L30510	leading	1-32	3	1	
Clipsal 40-600	E3031HD	leading	1-40	3	1	
Simon 45E101 500W	45E101	trailing	1-32	3	1	
Tridonic DALI PCD 300One4all	86458303	universal	1-20	2	1	

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