

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: $300 \text{ W} : 15 \text{ W} = < 20$ devices

LED Drivers with different phase-cut dimmers

LCA 18W 450mA phase-cut 22mm SR ADV (87500407) – Values for dimmers at full load

Product name	Article number	Dimmer type ¹	LED drivers per dimmer	Flicker rating ²	Other issues ³
Busch-Jaeger UP, LED, 2-100 W	6523 U-102	universal	1-9	1	
Busch-Jaeger UP, R, 60-600 W	2250 U	leading	1-13	1	
Busch-Jaeger UP, RL, 20-500 W	2247U	leading	1-11	1	
Berker 283010	283010	leading	1-8	1	
Clipsal 32E 450 TM	32E450TM	trailing	1-10	1	
Clipsal 32E 450 UDM	32E450UDM	universal	1-10	1	
Clipsal 32E 450 LM	32E450LM	leading	1-10	1	
EHMANN LiCHTREGLER T46S	LiCHTREGLER T46S	trailing	1-7	1	
ELKO 316 GLED	316GLED	trailing	1-7	1	
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-7	1	
ELKO 315 GLE	315GLE	trailing	1-7	1	
E-LITE 500W	U116	trailing	1-11	1	
Feller 40300 RC	40300 RC	trailing	1-6	1	
Feller 40600 RL	40600 RL	leading	1-13	1	
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-4	1	
Finder 15.91.8	15.91.8	leading	1-1	1	
GIRA 0302 00/I01	0302 00/I01	leading	1-13	1	
GIRA 2262 00/I01	2262 00/I01	leading	1-2	1	

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GIRA 1182 00/I01	1182 00/I01	leading	1-8	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-8	1	
GIRA 117600/I01	117600/I01	trailing	1-9	1	
Hager EVN011	EVN011	universal	1-6	1	
Hager EVN 012	EVN 012	universal	1-6	1	
JUNG 225 TDE	225 TDE	trailing	1-11	1	
JUNG 225NVDE	225NVDE	leading	1-2	1	
JUNG 266 GDE	266 GDE	leading	1-11	1	
JUNG 254 UDIE 1	254 UDIE 1	universal	1-13	1	Poor dim depth
Legrand 078401	78401	universal	1-8	1	
Legrand 2M 2-L 600W	78405	universal	1-8	2	
Legrand HPM CAT400T	HPM CAT400T	trailing	1-8	2	
Legrand CAT403L	CAT403L	leading	1-8	1	
Niko 325	310-01900	universal	1-7	1	
SAL SDA450	SDA450	trailing	1-10	1	
SAL SDD350	SDD350	trailing	1-7	1	
Siemens 5TCB 257	5TCB 257	leading	1-11	1	

Explanation:

1. Dimmer types: leading, trailing, universal
2. Flicker evaluation: 1 (no flicker) -> 4 (strong flicker)
3. 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

LCA 18W 450mA phase-cut 22mm SR ADV (87500407) – Values for dimmers at minimum load

Product name	Article number	Dimmer type ¹	LED drivers per dimmer	Flicker rating ²	Other issues ³
Busch-Jaeger UP, LED, 2-100 W	6523 U-102	universal	1-12	1	
Busch-Jaeger UP, R, 60-600 W	2250 U	leading	1-17	2	
Busch-Jaeger UP, RL, 20-500 W	2247U	leading	1-14	1	
Berker 283010	283010	leading	1-11	1	
Clipsal 32E 450 TM	32E450TM	trailing	1-13	1	
Clipsal 32E 450 UDM	32E450UDM	universal	1-13	1	
Clipsal 32E 450 LM	32E450LM	leading	1-13	1	
EHMANN LICHTREGLER T46S	LICHTREGLER T46S	trailing	1-9	1	Poor dim depth
ELKO 316 GLED	316GLED	trailing	1-9	1	
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-9	1	
ELKO 315 GLE	315GLE	trailing	1-9	1	
E-LITE 500W	U116	trailing	1-14	1	
Feller 40300 RC	40300 RC	trailing	1-8	1	Poor dim depth
Feller 40600 RL	40600 RL	leading	1-17	2	Poor dim depth
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-5	1	
Finder 15.91.8	15.91.8	leading	1-1	1	
GIRA 0302 00/101	0302 00/101	leading	1-17	1	

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GIRA 2262 00/I01	2262 00/I01	leading	1-2	1	
GIRA 1182 00/I01	1182 00/I01	leading	1-10	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-11	1	
GIRA 117600/I01	117600/I01	trailing	1-12	2	Poor dim depth
Hager EVN011	EVN011	universal	1-8	1	
Hager EVN 012	EVN 012	universal	1-8	1	
JUNG 225 TDE	225 TDE	trailing	1-15	1	
JUNG 225NVDE	225NVDE	leading	1-2	1	
JUNG 266 GDE	266 GDE	leading	1-15	1	
JUNG 254 UDIE 1	254 UDIE 1	universal	1-17	1	Poor dim depth
Legrand 078401	78401	universal	1-11	1	
Legrand 2M 2-L 600W	78405	universal	1-11	2	Poor dim depth
Legrand HPM CAT400T	HPM CAT400T	trailing	1-11	1	
Legrand CAT403L	CAT403L	leading	1-11	2	
Niko 325	310-01900	universal	1-9	1	
SAL SDA450	SDA450	trailing	1-13	1	
SAL SDD350	SDD350	trailing	1-10	1	
Siemens 5TCB 257	5TCB 257	leading	1-14	1	

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1. Dimmer types: leading, trailing, universal
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ZSL-UP is an additional circuit that can improve the dimming behavior of specific lamps.