

## 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 21W 300mA flexC PH-C SR ADV (87500603) – Values for dimmers at full load

Product name	Article number	Dimmer type <sup>1</sup>	LED drivers per dimmer	Flicker rating <sup>2</sup>	Other issues <sup>3</sup>
Busch-Jaeger UP, R, 60-600 W	2250 U	leading	1-20	1	
EHMANN LiCHTREGLER T46S	LiCHTREGLER T46S	trailing	1-10	1	Not usable
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-10	1	
E-LITE 500W	U116	trailing	1-16	1	
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-6	1	
GIRA 2262 00/I01	2262 00/I01	leading	1-3	1	
GIRA 1182 00/I01	1182 00/I01	leading	1-12	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-13	1	
JUNG 225 TDE	225 TDE	trailing	1-17	1	
JUNG 225NVDE	225NVDE	leading	1-3	1	
JUNG 266 GDE	266 GDE	leading	1-17	1	
JUNG 254 UDIE 1	254 UDIE 1	universal	1-20	1	
Legrand HPM CAT400T	HPM CAT400T	trailing	1-13	1	
Legrand CAT403L	CAT403L	leading	1-13	4	Not usable
SAL SDA450	SDA450	trailing	1-15	1	
SAL SDD350	SDD350	trailing	1-11	1	
Siemens 5TCB 257	5TCB 257	leading	1-16	1	

## LED Drivers with different phase-cut dimmers

### 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 21W 300mA flexC PH-C SR ADV (87500603) – Values for dimmers at minimum load

Product name	Article number	Dimmer type <sup>1</sup>	LED drivers per dimmer	Flicker rating <sup>2</sup>	Other issues <sup>3</sup>
Busch-Jaeger UP, R, 60-600 W	2250 U	leading	1-30	1	
EHMANN LiCHTREGLER T46S	LiCHTREGLER T46S	trailing	1-15	1	Not usable
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-15	1	
E-LITE 500W	U116	trailing	1-25	1	
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-10	1	
GIRA 2262 00/I01	2262 00/I01	leading	1-5	1	Not usable
GIRA 1182 00/I01	1182 00/I01	leading	1-18	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-20	1	
JUNG 225 TDE	225 TDE	trailing	1-26	1	
JUNG 225NVDE	225NVDE	leading	1-5	4	Not usable
JUNG 266 GDE	266 GDE	leading	1-26	1	
JUNG 254 UDIE 1	254 UDIE 1	universal	1-30	1	
Legrand HPM CAT400T	HPM CAT400T	trailing	1-20	1	
Legrand CAT403L	CAT403L	leading	1-20	1	Not usable
SAL SDA450	SDA450	trailing	1-22	1	
SAL SDD350	SDD350	trailing	1-17	1	
Siemens 5TCB 257	5TCB 257	leading	1-25	4	Not usable

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## LED Drivers with different phase-cut dimmers

### LCA 21W 450mA flexC PH-C SR ADV (87500603) – Values for dimmers at full load

Product name	Article number	Dimmer type <sup>1</sup>	LED drivers per dimmer	Flicker rating <sup>2</sup>	Other issues <sup>3</sup>
Busch-Jaeger UP, R, 60-600 W	2250 U	leading	1-13	1	
EHMANN LICHTREGLER T46S	LICHTREGLER T46S	trailing	1-7	1	Not usable
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-7	1	
E-LITE 500W	U116	trailing	1-11	1	
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-4	1	
GIRA 2262 00/I01	2262 00/I01	leading	1-2	1	
GIRA 1182 00/I01	1182 00/I01	leading	1-8	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-8	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	
Legrand HPM CAT400T	HPM CAT400T	trailing	1-8	1	
Legrand CAT403L	CAT403L	leading	1-8	4	Not usable
SAL SDA450	SDA450	trailing	1-10	1	
SAL SDD350	SDD350	trailing	1-7	1	
Siemens 5TCB 257	5TCB 257	leading	1-11	1	

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EHMANN LiCHTREGLER T46S	LiCHTREGLER T46S	trailing	1-10	1	Not usable
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-10	1	
E-LITE 500W	U116	trailing	1-16	1	
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-6	1	
GIRA 2262 00/I01	2262 00/I01	leading	1-3	1	Not usable
GIRA 1182 00/I01	1182 00/I01	leading	1-12	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-13	1	
JUNG 225 TDE	225 TDE	trailing	1-17	1	
JUNG 225NVDE	225NVDE	leading	1-3	3	Not usable
JUNG 266 GDE	266 GDE	leading	1-17	1	
JUNG 254 UDIE 1	254 UDIE 1	universal	1-20	1	
Legrand HPM CAT400T	HPM CAT400T	trailing	1-13	1	
Legrand CAT403L	CAT403L	leading	1-13	4	Not usable
SAL SDA450	SDA450	trailing	1-15	1	
SAL SDD350	SDD350	trailing	1-11	1	
Siemens 5TCB 257	5TCB 257	leading	1-16	4	Not usable



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## LED Drivers with different phase-cut dimmers

### LCA 21W 500mA flexC PH-C SR ADV (87500603) – Values for dimmers at full load

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Busch-Jaeger UP, R, 60-600 W	2250 U	leading	1-12	1	
EHMANN LICHTREGLER T46S	LICHTREGLER T46S	trailing	1-6	1	Not usable
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-6	1	
E-LITE 500W	U116	trailing	1-10	1	
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-4	1	
GIRA 2262 00/I01	2262 00/I01	leading	1-2	1	
GIRA 1182 00/I01	1182 00/I01	leading	1-7	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-8	1	
JUNG 225 TDE	225 TDE	trailing	1-10	1	
JUNG 225NVDE	225NVDE	leading	1-2	1	
JUNG 266 GDE	266 GDE	leading	1-10	1	
JUNG 254 UDIE 1	254 UDIE 1	universal	1-12	1	
Legrand HPM CAT400T	HPM CAT400T	trailing	1-8	1	
Legrand CAT403L	CAT403L	leading	1-8	4	Not usable
SAL SDA450	SDA450	trailing	1-9	1	
SAL SDD350	SDD350	trailing	1-7	1	
Siemens 5TCB 257	5TCB 257	leading	1-10	1	

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Busch-Jaeger UP, R, 60-600 W	2250 U	leading	1-18	1	
EHMANN LiCHTREGLER T46S	LiCHTREGLER T46S	trailing	1-9	1	Not usable
ELKO 315 GLE-2Pole	315GLE-2Pole	trailing	1-9	1	
E-LITE 500W	U116	trailing	1-15	1	
Feller 40200.LED.F.61	40200.LED.F.61	universal	1-6	1	
GIRA 2262 00/I01	2262 00/I01	leading	1-3	1	
GIRA 1182 00/I01	1182 00/I01	leading	1-10	1	
GIRA 1184 00/I01	1184 00/I01	leading	1-12	1	
JUNG 225 TDE	225 TDE	trailing	1-15	1	
JUNG 225NVDE	225NVDE	leading	1-3	3	Not usable
JUNG 266 GDE	266 GDE	leading	1-15	1	
JUNG 254 UDIE 1	254 UDIE 1	universal	1-18	1	
Legrand HPM CAT400T	HPM CAT400T	trailing	1-12	1	
Legrand CAT403L	CAT403L	leading	1-12	4	Not usable
SAL SDA450	SDA450	trailing	1-13	1	
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