

LED SUPERSTAR Dimmer Compatibility

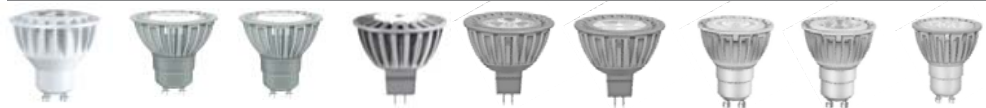
Limited Dimming Range
(less than 80%)

Full Dimming Range
(more than 80%)

For max. number of lamps on a dimmer please use the rule of thumb:

$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

LED SUPERSTAR PAR16 35 25° adv	LED SUPERSTAR PAR16 35 25° adv	LED SUPERSTAR PAR16 50 25° adv	LED SUPERSTAR MR16 35 24° adv*	LED SUPERSTAR MR16 20 36° adv*	LED SUPERSTAR MR16 35 36° adv*	LED SUPERSTAR PAR 16 20 36° adv	LED SUPERSTAR PAR 16 35 36° adv	LED SUPERSTAR PAR 16 50 36° adv
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Brand	Model	Load Range [W]	Type	4008321975 409	4052899901 865 4052899901 872	4008321991 249 4008321991 263	4008321682 703	4008321882 264 4008321882 295	4008321882 349 4008321882 370	4008321882 622	4008321882 653 4008321882 684	4008321882 714 4008321882 745
ABB	STD 50-3	60-500	L	14 – 80	11 – 88							
Be	T46											
Berker	2874	20-525	T				10 – 100					
Berker	2875	60-600	L	6 – 100	9 – 98	8 – 99						
Berker	281902	6-400	L	15 – 100								
Busch-Jaeger	2200	60-400	L		15 – 99	14 – 99						
Busch-Jaeger	2247U	500	L	4 – 100	10 – 98	11 – 100				1 – 99	2 – 100	4 – 100
Busch-Jaeger	2250	60-600	L		3 – 99	2 – 99				4 – 100	5 – 99	6 – 100
Busch-Jaeger	6513U-102	40-420	T	4 – 76	6 – 100	5 – 99		46 – 99		6 – 100	6 – 99	8 – 99
Busch-Jaeger	6519U	40-550	T	3 – 100	6 – 99	5 – 99	27 – 100			6 – 100	5 – 99	6 – 100
Conrad	T46	20-315	T	4 – 75	11 – 98	11 – 100	10 – 100					
ELSO	ATD315 (174120)	20-500	L							15 – 100	12 – 94	12 – 100
ELSO	ATD315 (174200)	40-315	T	2 – 93	0 – 100	0 – 100	30 – 100		59 – 100			
ELSO	T30	60-400	L	16 – 100	9 – 99	10 – 100						
EverFlourish	EF0700DA	20-300	L	18 – 100	11 – 99	10 – 100						
EverFlourish	EFM700DB	50-300	L	16 – 100	13 – 99	11 – 100						
EverFlourish	EFM700DC	50-300	L	2 – 93								
EverFlourish	EF0700DC	20-300	T	4 – 92	7 – 100	9 – 100	15 – 95					
Gira	0300 00/01	60-400	L	8 – 100						0 – 100	0 – 99	5 – 99
Gira	0307/00/02	20-525	T	4 – 76	3 – 99	3 – 100		26 – 99		4 – 99	4 – 99	5 – 100
HE	He T10	60-300	L		0 – 99	0 – 100						
Jung	225 NV DE	20-500	L		10 – 98	9 – 99				2 – 100		5 – 100
Kopp	80,33	40-400	L		14 – 98	13 – 100				18 – 99	14 – 99	14 – 100
Kopp	80,78	20-275	T		7 – 98	6 – 100	10 – 95					5 – 100
Legrand	775903	420VA	T	3 – 75	2 – 99	2 – 95		17 – 100	14 – 100			
Lichtregler	he T10	60-300	L			13 – 99						
Lichtregler	he T39.01	20-500VAL			3 – 98	2 – 99						
Merten	5771-99	20-315	T	8 – 93	9 - 100	8 – 100	15 - 100	53 – 100		9 - 93	8 – 91	9 – 93

(*) Lamp may flicker in lower dimming range
Due to its limited functionality with leading edge dimmers, this kind of dimmer is not recommended



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		409		4008321975	4052899901	4008321991	4008321682	4008321882	4008321882	4008321882
		865			4052899901	4008321991		4008321882	4008321882	4008321882
		249			872	263		295	370	684
		703								714
		264								714
		349								653
		622								684
		653								714
		714								745
Peha	434 o.A.	60-400	L	5 – 100	4 – 98	3 – 100				
Peha	D 80.433V	60-300	L	6 – 100	15 – 99	18 – 99				
Pera/be	T39.01			16 – 100						
Pera/HE	he T39.01	20-500VAL			13 – 99	12 – 99				
Siemens	5TC8 284	20-600	T	3 – 70	3 – 84	2 – 83	13 - 99		20 – 100	2 – 100 4 – 90
Siemens	5TC8 286	50-400	L		10 – 98	16 - 99			32 – 100	20 – 100 16 – 100
TCL-Legrand	V8051	40-630	L		1 – 99	0 – 100				
Tronic	51160	315W/VA T			12 – 99	11 – 99				



Please Note:

- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors. OSRAM does not take over any responsibility, warranty or liability that this results can also achieved by using the devices under other conditions or when using other LED lamp types
- The absence of a dimmer from this chart does not necessarily imply incompatibility.
- Please reference the dimmer manufacturer's instructions for installation.
- LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance).
- Subject to change without notice
- Errors and omission excepted
- Always make sure to use the most recent release

Application Notes:

- For best dimming results trailing edge dimmer type is recommended.
- Trailing edge type dimmer required the neutral wire for installation.

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