

SUPERSTAR® CLASSIC

Dimmer Compatibility



BASIC INFORMATION:

1. HOW MANY LAMPS CAN I INSTALL ON ONE DIMMER?

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

(Please note: actual number may vary from calculated result)

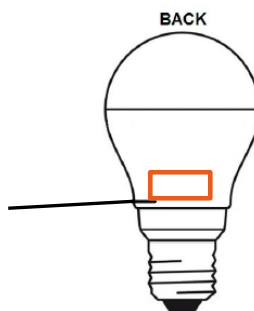
$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

2. WHAT IS THE PRODUCT CODE AND WHERE DO I FIND IT?

The product code describes the lamp type. It contains 7 letters and digits and is starting with A...

Example for the product code on the stamp of the lamp:

220-240V · AA68602 · 4000K
6W · 50/60Hz · 27mA
Made in Germany XXX-XXXX



3. HOW CAN I READ THE FOLLOWING CHARTS?

Legend:
Information about the dimmability of the lamps. Green means very good dimmability habits, red means partial critical dimmability habits.

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Dimmability traffic light system:		Type	SUPERSTAR CLASSIC A40	SUPERSTAR CLASSIC A60	SUPERSTAR CLASSIC A75	SUPERSTAR CLASSIC B25	SUPERSTAR CLASSIC B40	SUPERSTAR CLASSIC P25	SUPERSTAR CLASSIC P40
Green	very good dimmability habits (Dimming range ≥ 75%)	Product Picture							
Yellow	good dimmability habits (Dimming range ≥ 60%)	EAN	4052899148642	4052899149571	4052899153738	4008321579261	4052899000899	4008321980380	4052899000905
Red	partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range < 60%)	Product Code	AA68602	AA68553	AA75228	AA69411	AA68531	AA69413	AA68535
White	not tested	EAN	4052899148697	4052899226937		4008321594011	405289904415	4008321992376	405289900912
		Product Code	AA68603	AA68553		AA69412	AA68550	AA69414	AA68537
		EAN	4052899149243	405289911222				405289911406	405289904422
		Product Code	AA68604	AA68552				AA69415	AA68535
		EAN	4052899214828	405289913813				405289911420	405289904439
		Product Code	AA68603	AA68554				AA69416	AA68534
		EAN	4052899214842	405289913837					
		Product Code	AA68604	AA68554					
		EAN	405289913790	405289933255					
		Product Code	AA68547	AA76275					
		EAN		4052899214866					
		Product Code		AA68552					
		EAN		4052899214941					
		Product Code		AA68553					

Dimmer		Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer: 1	Number of Lamps on dimmer: 4	Number of Lamps on dimmer: 1	Number of Lamps on dimmer: 4	Number of Lamps on dimmer: 1	Number of Lamps on dimmer: 4	Number of Lamps on dimmer: 1	Number of Lamps on dimmer: 4	Number of Lamps on dimmer: 1	Number of Lamps on dimmer: 4
		ABB	STD 50-3	230V/50Hz	60-500	L										
		Berker	2874	230V/50Hz	20-525	T										
		Berker	281902	230V/50Hz	60-400	L										
		Busch-Jaeger	2247U	230V/50Hz	20-500	L										
		Busch-Jaeger	6523 U	230V/50Hz	2-100	L										
		Busch-Jaeger	6513 U-102	230V/50Hz	40-420	T										
		Busch-Jaeger	6517 U-101	230V/50Hz	60-400	L										
		Ehmann	4660c0026	230V/50Hz	20-315	T										
		ELKO	315GLE	230V/50Hz	23-315	T										
		ELKO	420GLE/I	230V/50Hz	20-420	T										

Information about the OSRAM lamp type

Number of lamps tested on dimmer

Test results of dimmability according to the traffic light system

Example:

Dimmer Berker 2874 shows very good dimmability habits for one SUPERSTAR CLASSIC A60 ADV lamp.

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Dimmability traffic light system:

Green	very good dimmability habits (Dimming range $\geq 75\%$)
Yellow	good dimmability habits (Dimming range $\geq 60\%$)
Red	partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range $< 60\%$)
White	not tested

Type	SUPERSTAR CLASSIC A40	SUPERSTAR CLASSIC A60	SUPERSTAR CLASSIC A75	SUPERSTAR CLASSIC B25	SUPERSTAR CLASSIC B40	SUPERSTAR CLASSIC P25	SUPERSTAR CLASSIC P40
Product Picture							
EAN	4052899148642	4052899149571	4052899153738	4008321979261	4052899900899	4008321980380	4052899900905
Product Code	AA68602	AA66583	AA75228	AA69411	AA68531	AA69413	AA68536
EAN	4052899148697	4052899226937		4008321994011	4052899904415	4008321992376	4052899900912
Product Code	AA68603	AA66583		AA69412	AA68550	AA69414	AA68537
EAN	4052899149243	4052899911222				4052899911406	4052899904422
Product Code	AA68604	AA66582				AA69415	AA68535
EAN	4052899214828	4052899913813				4052899911420	4052899904439
Product Code	AA68603	AA66584				AA69416	AA68534
EAN	4052899214842	4052899913837					
Product Code	AA68604	AA57540					
EAN	4052899913790	4052899933255					
Product Code	AA55547	AA76275					
EAN		4052899214866					
Product Code		AA66582					
EAN		4052899214941					
Product Code		AA66584					

Dimmer

Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer:		Number of Lamps on dimmer:		Number of Lamps on dimmer:		Number of Lamps on dimmer:		Number of Lamps on dimmer:		Number of Lamps on dimmer:		Number of Lamps on dimmer:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	5 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps
ABB	STD 50-3	230V/50Hz	60-500	L														
Berker	2874	230V/50Hz	20-525	T														
Berker	281902	230V/50Hz	60-400	L														
Busch-Jaeger	2247U	230V/50Hz	20-500	L														
Busch-Jaeger	6523 U	230V/50Hz	2-100	LED-L														
Busch-Jaeger	6513 U-102	230V/50Hz	40-420	T														
Busch-Jaeger	6517 U-101	230V/50Hz	60-400	L														
Ehmann	4660c0026	230V/50Hz	20-315	T														
ELKO	315GLE	230V/50Hz	23-315	T														
ELKO	420GLE/I	230V/50Hz	20-420	T														
ELKO	600GLI	230V/50Hz	40-600	L														
ELKO	630GLE	230V/50Hz	20-630	T														
ELSO	174200 (ATD300R)	230V/50Hz	40-315	T														
EVERFLOURISH	EF0700DC	230V/50Hz	20-300	T														
EVERFLOURISH	EFM700DB	230V/50Hz	50-300	L														
Gira	0300 00	230V/50Hz	60-400	L														
Gira	030700	230V/50Hz	20-525	T														
Gira	117600	230V/50Hz	50-420	U														
Jung	225 NVDE	230V/50Hz	20-500	L														
Kopp	80.33	230V/50Hz	20-275	T														
Legrand	775903	230V/50Hz	420	T														
LUMEX Loadsmart	LT1D450LS Series	230V/50Hz	450															
Merten	5771-99	230V/50Hz	20-315	T														
Merten	5725-99	230V/50Hz	20-500	L														
OSRAM	HTi DALI 315 DIM	230V/50Hz	20-315	DALI-T														
PEHA	D 80.433 V	230V/50Hz	60-600	L														
PEHA	433 HAB	230V/50Hz	20-315	T														
Schneider	40300 RC	230V/50Hz	20-300	T														
Schneider	40600 RL	230V/50Hz	40-600	L														
Schneider	ATD315	230V/50Hz	10-315	T														
Schneider	400GLI	230V/50Hz																
Schneider	STD400T RC/RL	230V/50Hz	20-400	U														
Siemens	5TC8 284	230V/50Hz	20-525	T														
Siemens	5TC8 256	230V/50Hz	50-400	L														

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Please Note:

- The compatibility 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 successor models of the tested devices, or different models of the same manufacturer, 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 requires the neutral wire for installation.