

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)

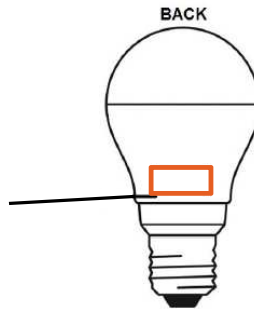
$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

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.

SUPERSTAR® CLASSIC Dimmer Compatibility

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	4008321379261	405289900899	4008321980380	405289900900
Product Code	AA68602	AA68503	AA75223	AA68411	AA68501	AA68410	AA68506
Product Code	4052899148697	4052899226807		4008321594011	405289904415	4008321992376	4052899009112
Product Code	AA68603	AA68503		AA68412	AA68500	AA68414	AA68507
Product Code	4052899149243	405289911222				405289911405	405289904422
Product Code	AA68604	AA68502				AA68415	AA68505
Product Code	4052899214826	405289913813				405289911420	405289904436
Product Code	AA68605	AA68504				AA68416	AA68504
Product Code	4052899214842	405289913837					
Product Code	AA68606	AA67640					
Product Code	405289910790	4052899030255					
Product Code	AA68547	AA68619					
Product Code		4052899214866					
Product Code		AA68502					
Product Code		4052899214941					
Product Code		AA68504					

Information about the OSRAM lamp type

Number of lamps tested on dimmer

Dimmer	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: 5	Number of Lamps on dimmer: 1	Number of Lamps on dimmer: 4
ABB STD 50-3	Green	Green	Green	Green	Green	Green	Green	Green
Berker 2874	Green	Green	Green	Green	Green	Green	Green	Green
Berker 281902	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 2247U	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 6523 U	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 6513 U-102	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 6517 U-101	Green	Green	Green	Green	Green	Green	Green	Green
Ehmann 46600026	Green	Green	Green	Green	Green	Green	Green	Green
ELKO 315GLE	Green	Green	Green	Green	Green	Green	Green	Green
ELKO 420GLE/1	Green	Green	Green	Green	Green	Green	Green	Green

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.

SUPERSTAR® CLASSIC Dimmer Compatibility

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	Phase out	4052899900899	4008321980380	4052899900905
Product Code	AA78533	AA78539	AA78544		AB32777	AB32789	AA68536
EAN	4052899148697	4052899278219	4052899318991		4052899904415	4008321992376	4052899900912
Product Code	AA78532	AB32769	AA78545		AB32782	AB32790	AB32803
EAN	4052899149243	4052899911222			4052899279506	4052899911406	4052899904422
Product Code	AA78531	AA78538			AB32778	AB32793	AB32796
EAN		4052899913813			4052899279568	4052899911420	4052899904439
Product Code		AA78537			AB32784	AB32794	AB32795
EAN		4052899279254			4052899279599		4052899279711
Product Code		AB32765			AB32783		AB32802
EAN					4052899947788		4052899279742
Product Code					AB34203		AB32804
EAN					4052899288645		
Product Code					AB32786		
EAN					4052899279650		
Product Code					AB32785		

4 Lamps Test Results follow

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:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger	6523 U	230/50Hz	2-100	LED-L	Red	Green	Red	Green	Red	Green	Red	Green	Red	Green	Red	Green
AURORA	DSP400	230V / 50Hz	400	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	665114	230V/50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Jung	225 NVDE	240V/50Hz	20-500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Siemens	5TC8 284	240V/50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Gira	117600	240V/50Hz	50-420	U	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	315GLE	240V/50Hz	20-315	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Schneider	STD400T	230/50Hz	400	U	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Osram	HTi DALI 315 DIM	240V/50Hz	20-315	DALI-T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ABB	STD50-3	230V / 50Hz	60-500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Altenburger Ele	50,3	230V / 50Hz	15-350	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Berker	2561	230V / 50Hz	50-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
bticino	NT4402N	230V / 50Hz	500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger	2250U	230V / 50Hz	60-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Bush-laeger	6591ujc GL-10	230V / 50Hz	40-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
CENTURY CONTROL	MULTI DIMMER	230V / 50Hz	60-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
DINUY	RE ELIELI	230V / 50Hz	400	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hugo Müller	Paladin 872110 led	230V / 50Hz	400	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	420GLE/I	230V / 50Hz	40-420	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	600GLI	230V / 50Hz	40-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	630GLE	230V / 50Hz	20-630	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Eltako	EUD61NPN-UC	230V / 50Hz	5-400	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Feller	40600RLC	230V / 50Hz	20-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Gira	30500	230V / 50Hz	50-42	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Gira	217400	230V / 50Hz	4X20-250	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Gira	30700	230V / 50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hager	WUD87	230V / 50Hz	400	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hamilton	kplx40	230V / 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Jung	225TDE	230V / 50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	99314	230V / 50Hz	300	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

SUPERSTAR® CLASSIC Dimmer Compatibility

Dimmability traffic light system:

- Green very good dimmability habits (Dimming range ≥ 75%)
- Yellow good dimmability habits (Dimming range ≥ 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							
Product Code EAN	4052899148642 AA78533	4052899149571 AA78539	4052899153738 AA78544	Phase out	4052899900899 AB32777	4008321980380 AB32789	4052899900905 AA68536
Product Code EAN	4052899148697 AA78532	4052899278219 AB32769	4052899318991 AA78545		4052899904415 AB32782	4008321992376 AB32790	4052899900912 AB32803
Product Code EAN	4052899149243 AA78531	4052899911222 AA78538			4052899279506 AB32778	4052899911406 AB32793	4052899904422 AB32796
Product Code EAN		4052899913813 AA78537			4052899279568 AB32784	4052899911420 AB32794	4052899904439 AB32795
Product Code EAN		4052899279254 AB32765			4052899279599 AB32783		4052899279711 AB32802
Product Code EAN					4052899947788 AB34203		4052899279742 AB32804
Product Code EAN					4052899288645 AB32786		
Product Code EAN					4052899279650 AB32785		

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:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps
Legrand	281004	230V / 50Hz	500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	281060	230V / 50Hz	500	L	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	617030	230V / 50Hz	600	L	Yellow	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	617031	230V / 50Hz	1000	L	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	770061	230V / 50Hz	400	L	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	770062	230V / 50Hz	400	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	078405	230V / 50Hz	600	L	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
LKO	420GLE/I	230V / 50Hz	40-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
MASTER	DM-2500	230V / 50Hz	2500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
MASTER	DM-DGL	230V / 50Hz	1000	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Merten	MEG 5131	230V / 50Hz	400-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Merten	MEG 5135	230V / 50Hz	1000	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Merten	MEG 5140	230V / 50Hz	9-10	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Merten	MEG 5170-0300				Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
MK	K4501	230V / 50Hz	180	L	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
NEXUS	881P-01	230V / 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
NIKO	310-01900/01901	230V / 50Hz	5-200	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
NIKO	330-00700/00701	230V / 50Hz	5-200	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PEHA	435HAN	230V / 50Hz	60-600	L	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
shuttle	SDIM-T-LED-500W	230V / 50Hz	2-500	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Siemens	5WG1-527-1AB31	230V / 50Hz	20-500	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
VADSBO	LD220	230V / 50Hz	1-200	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
VARILIGHT	HQ3W	230V / 50Hz	400	L	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
VARILIGHT	JQP401W	230V / 50Hz	400	T	Red	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Vimar	20135	230V / 50Hz	3-100	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Werten	MEG5170-030	230V / 50Hz	10-200	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ZANO	WH251	230V / 50Hz	250	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ZANO	WH401	230V / 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ZANO	Z GRID 500	230V / 50Hz	500	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ZANO	Z GRID 700	230V / 50Hz	250	T	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

SUPERSTAR CLASSIC Dimmer Compatibility

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 GLOBE G95 60	SUPERSTAR CLASSIC A100
Product Picture		
EAN	4052899937857	4052899935440
Product Code	AB32713	AB31671
EAN		4052899935464
Product Code		AB31672
EAN		
Product Code		
EAN		
Product Code		

Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer:		Number of Lamps on dimmer:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T	Red	Green		
Busch-Jaeger	6523 U	230/50Hz	2-100	LED-L	Yellow	Yellow		
AURORA	DSP400	230V / 50Hz	400	T	Green	Green		
Legrand	665114	230V/50Hz	400	L	Green	Green		
Jung	225 NVDE	240V/50Hz	20-500	L	Green	Green		
Siemens	5TC8 284	240V/50Hz	20-525	T	Green	Red		
Gira	117600	240V/50Hz	50-420	U	Green	Green		
ELKO	315GLE	240V/50Hz	20-315	T	Green	Green		
Schneider	STD400T	230/50Hz	400	U	Green	Green		
Osram	HTi DALI 315 DIM	240V/50Hz	20-315	DALI-T	Red	Red		
ABB	STD50-3	230V / 50Hz	60-500	L	Green	Yellow		
Altenburger Ele	50,3	230V / 50Hz	15-350	T	Red	Green		
Berker	2561	230V / 50Hz	50-420	T	Red	Red		
bticino	NT4402N	230V / 50Hz	500	L	Green	Red		
Busch-Jaeger	2250U	230V / 50Hz	60-600	L	Green	Green		
Bush-laeger	6591ujc GL-10	230V / 50Hz	40-420	T	Green	Green		
CENTURY CONTROL	MULTI DIMMER	230V / 50Hz	60-600	L	Green	Green		
DINUY	RE ELIELI	230V / 50Hz	400	L/T	Green	Green		
Hugo Müller	Paladin 872110 led	230V / 50Hz	400	L/T	Green	Green		
ELKO	600GLI	230V / 50Hz	40-600	L	Green	Green		
ELKO	630GLE	230V / 50Hz	20-630	T	Green	Green		
Eltako	EUD61NPN-UC	230V / 50Hz	5-400	L/T	Green	Green		
Feller	40600RLC	230V / 50Hz	20-600	L	Green	Red		
Gira	30500	230V / 50Hz	50-42	T	Green	Green		
Gira	217400	230V / 50Hz	4X20-250	T	Green	Red		
Gira	30700	230V / 50Hz	20-525	T	Green	Green		
Hager	WUD87	230V / 50Hz	400	T	Green	Green		
Hamilton	kplx40	230V / 50Hz	400	L	Green	Yellow		
Jung	225TDE	230V / 50Hz	20-525	T	Green	Green		
Legrand	99314	230V / 50Hz	300	L	Green	Green		

SUPERSTAR CLASSIC Dimmer Compatibility

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 GLOBE G95 60	SUPERSTAR CLASSIC A100
Product Picture		
EAN	4052899937857	4052899935440
Product Code	AB32713	AB31671
EAN	-----	4052899935464
Product Code	-----	AB31672
EAN	-----	-----
Product Code	-----	-----

Dimmer

Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer:		Number of Lamps on dimmer:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps
Legrand	281004	230V / 50Hz	500	L	Green	Red	White	White
Legrand	281060	230V / 50Hz	500	L	Green	Yellow	White	White
Legrand	617030	230V / 50Hz	600	L	Green	Red	White	White
Legrand	617031	230V / 50Hz	1000	L	Green	Yellow	White	White
Legrand	770061	230V / 50Hz	400	L	Green	Green	White	White
Legrand	770062	230V / 50Hz	400	T	Red	Green	White	White
Legrand	078405	230V / 50Hz	600	L	Green	Green	White	White
LKO	420GLE/I	230V / 50Hz	40-420	T	Green	Green	White	White
MASTER	DM-2500	230V / 50Hz	2500	L	Green	Green	White	White
MASTER	DM-DGL	230V / 50Hz	1000	L	Green	Green	White	White
Merten	MEG5131	230V / 50Hz	40-400	L	Green	Yellow	White	White
Merten	MEG5135	230V / 50Hz	1000	L	Green	Green	White	White
Merten	MEG5140	230V / 50Hz	9-10	L	Green	Green	White	White
MK	K4501	230V / 50Hz	180	L	Green	Green	White	White
NEXUS	881P-01	230V / 50Hz	400	L	Green	Green	White	White
NIKO	310-01900/01901	230V / 50Hz	5-200	L/T	Green	Green	White	White
NIKO	330-00700/00701	230V / 50Hz	5-200	L/T	Green	Green	White	White
PEHA	435HAN	230V / 50Hz	60-600	L	Green	Yellow	White	White
shuttle	SDIM-T-LED-500W	230V / 50Hz	2-500	T	Green	Green	White	White
Siemens	5WG1-527-1AB31	230V / 50Hz	20-500	T	Red	Red	White	White
VADSBO	LD220	230V / 50Hz	1-200	T	Red	Red	White	White
VARILIGHT	HQ3W	230V / 50Hz	400	L	Green	Green	White	White
VARILIGHT	JQP401W	230V / 50Hz	400	T	Green	Yellow	White	White
Vimar	20135	230V / 50Hz	3-100	L/T	Green	Green	White	White
Werten	MEG5170-030	230V / 50Hz	10-200	T	Green	Green	White	White
ZANO	WH251	230V / 50Hz	250	L	Green	Green	White	White
ZANO	WH401	230V / 50Hz	400	L	Green	Green	White	White
ZANO	Z GRID 500	230V / 50Hz	500	T	Green	Green	White	White
ZANO	Z GRID 700	230V / 50Hz	250	T	Green	Green	White	White

SUPERSTAR® CLASSIC

Dimmer Compatibility



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.