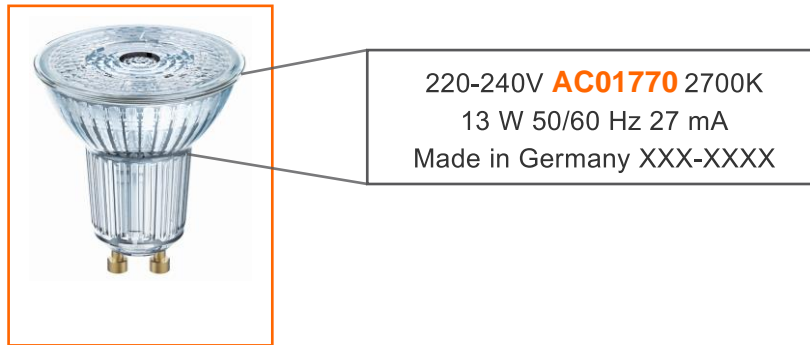


DIMMER COMPATIBILITY Superstar Plus CL Stick

BASIC INFORMATION:

1. 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". Below an example for the product code of the stamp of the lamp:



2. HOW CAN I READ THE FOLLOWING CHARTS?

Legend:
Information about the dimmability of the lamps. Green means very good dimmability, yellow means limited dimmability, red means undesired dimmability etc.

List of dimmers tested in laboratory conditions

Legend					SUPERSTAR PAR16 35 36°				SUPERSTAR PAR16 50 36°				SUPERSTAR PAR16 80 36°				SUPERSTAR PAR16 80 120°			
Very good dimmability with indicated number of lamps (dimming range greater than 75%)																				
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)																				
Undesired dimmability																				
Not relevant																				
Not tested																				
EAN/Basic Code					EAN/Basic Code				EAN/Basic Code				EAN/Basic Code							
405283330153/AC01184					40528333017/AC01187				405283330218/AB41905				405807503688/AC03049							
405283330157/AC01192					405283330195/AC01194				405283330232/AB41906				405807503682/AC03051							
Dimmer					Number of Lamps		Dimming range		Number of Lamps		Dimming range		Number of Lamps		Dimming range		Number of Lamps		Dimming range	
Brand	Model	Voltage range	Power	Type	1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%	1-20	98% - 15%	2-20	97% - 12%	2-20	98% - 16%	2-20	98% - 16%
ABB	STD 50-3	230/50Hz	60-500	L	1-10	98% - 15%	2-10	97% - 12%	1-4	96% - 1%	1-4	96% - 1%	1-20	98% - 15%	2-10	97% - 1%	1-4	96% - 1%	1-4	96% - 1%
Altenburger Electronic	50_30	230/50Hz	15-350	T	1-20	98% - 27%	1-20	98% - 26%	1-20	97% - 27%	1-20	97% - 27%	1-15	98% - 1%	1-10	97% - 5%	1-6	94% - 7%	1-6	94% - 7%
ALPORA	DSP 400	230/50Hz	400	L	2-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%	2-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%
Berker	2861	230/50Hz	50-420	U	3-19	99% - 19%	2-12	97% - 19%	1-8	95% - 22%	1-8	95% - 22%	2-20	99% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%
Blicino	L/NNT441N	230/50Hz			1-10	96% - 22%	1-10	97% - 26%	1-10	97% - 26%	1-10	97% - 26%	1-10	96% - 22%	1-10	97% - 26%	1-10	97% - 26%	1-10	97% - 26%
Blicino	L/NNT4408	230/50Hz	50-420	T	1-10	98% - 34%	1-10	97% - 35%	1-5	97% - 15%	1-5	97% - 15%	1-10	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
Blicino	NT4402N	230/50Hz	500	R	2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%	1-11	98% - 1%	1-10	98% - 1%	1-5	99% - 7%	1-5	99% - 7%
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T	1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%	1-10	98% - 1%	1-10	98% - 1%	1-10	98% - 1%	1-10	98% - 1%
Busch-Jaeger	6523 U-102	230/50Hz	420	T	1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%	2-20	98% - 6%	1-20	98% - 7%	1-20	97% - 10%	1-20	97% - 10%
Busch-Jaeger	2250 U	230/50Hz	60-600	L	1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%	1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%
Busch-Jaeger	6526 U	230/50Hz			1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%	1-10	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%
Busch-Jaeger	2247 U-500	230/50Hz																		
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	L																
DINUY	RE ELTLE1	230/50Hz	400	LED																
ELKO	400GLI	230/50Hz																		
ELKO	316GLE	230/50Hz	20-315	T																
ELKO	600GLI	230/50Hz	40-600	U																
ELKO	420GLEI	230/50Hz	40-420	U																

Information about the OSRAM lamp type

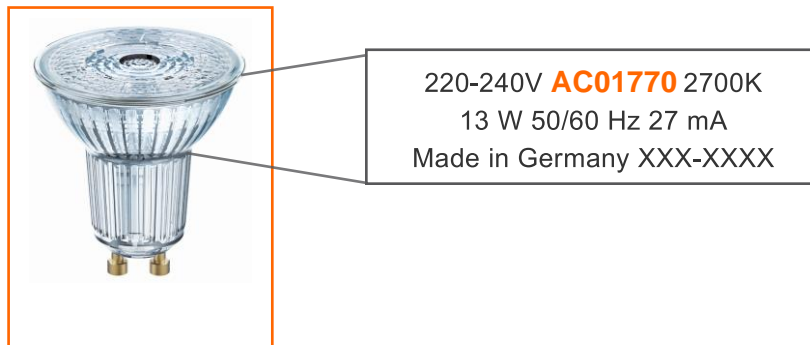
Assessment of the results into categories. Includes the number of lamps and the related dimming range

DIMMER KOMPATIBILITÄT Superstar Plus CL Stick

BASISINFORMATIONEN:

1. WAS IST DER PRODUKTCODE UND WO FINDE ICH IHN?

Der Produktcode beschreibt den Lampentyp. Er besteht aus sieben Buchstaben und Ziffern und beginnt mit einem "A". Nachfolgend ein Beispiel eines Produktcodes auf dem Aufdruck der Lampe.



2. WIE LESE ICH DIE FOLGENDEN TABELLEN?

Legende: Angaben zur Dimmbarkeit der Lampen. Grün bedeutet eine sehr gute Dimmbarkeit mit der angegebenen Lampenanzahl, gelb bedeutet eine eingeschränkte Dimmbarkeit, rot bedeutet, dass unerwünschte dimmverhalten auftreten kann etc.


Liste der getesteten Dimmer

Legend					SUPERSTAR							
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					PAR16 35 36*	PAR16 50 36*	PAR16 60 36*	PAR16 80 120*				
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)												
Undesired dimmability					EAN/ Basic Code	EAN/ Basic Code	EAN/ Basic Code	EAN/ Basic Code				
Not relevant					405283330103/AC01184	405283330107/AC01187	405283330210/AB41305	405807503668/AC03049				
Not tested					405283330157/AC01192	405283330199/AC01194	405283330232/AB41306	405807503632/AC03051				
Dimmer					Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range
ABB	STD 50-3	230V50Hz	60-500	L	1-20	98%-15%	1-13	98%-20%	1-8	97%-23%	1-8	97%-23%
Altenburger Electronic	50 30	230V50Hz	15-350	T	2-20	98%-15%	2-20	97%-12%	2-20	98%-16%	2-20	98%-16%
AURORA	DSP 400	230V50Hz	400	L	1-10	98%-15%	2-10	97%-14%	1-4	96%-1%	1-4	96%-1%
Berker	2861	230V50Hz	50-420	U	1-20	98%-27%	1-20	98%-26%	1-20	97%-27%	1-20	97%-27%
Bicimo	LANIT441N	230V50Hz			1-15	98%-1%	1-10	97%-5%	1-6	94%-7%	1-6	94%-7%
Bicimo	LANIT4408	230V50Hz			2-20	98%-1%	2-9	98%-1%	1-6	97%-3%	1-6	97%-3%
Bicimo	NT4402N	230V50Hz	500	R	3-18	99%-19%	2-12	97%-19%	1-8	95%-22%	1-8	95%-22%
Busch-Jaeger	6513 U-102	230V50Hz	40-420	T	2-20	98%-15%	2-20	98%-17%	2-20	98%-21%	2-20	98%-21%
Busch-Jaeger	6523 U-102	230V50Hz	420	T	1-10	96%-22%	1-10	97%-26%				
Busch-Jaeger	2250 U	230V50Hz	60-600	L	1-10		2-14	98%-16%	1-9	97%-15%	1-9	97%-15%
Busch-Jaeger	6526 U	230V50Hz			1-13	98%-34%	1-10	97%-35%	1-5		1-5	
Busch-Jaeger	2247 U-500	230V50Hz			1-20	98%-15%	1-13	98%-20%	1-8	97%-23%	1-8	97%-23%
CENTURY CONTROL	MULTI DIMMER	230V50Hz	60-600	L	2-13	98%-1%	1-10	98%-5%	1-6	97%-9%	1-6	97%-9%
DINJY	RE EL1LE1	230V50Hz	400	LED	1-11	98%-1%	1-10	98%-1%	1-5	99%-7%	1-5	99%-7%
ELKO	400GLI	230V50Hz			1-10		1-10		1-4	97%-1%	1-4	97%-1%
ELKO	316GLE	230V50Hz	20-315	T	2-20	98%-6%	1-20	98%-7%	1-20	97%-10%	1-20	97%-10%
ELKO	600GLI	230V50Hz	40-600	U	1-20	98%-1%	1-13	97%-1%	1-8	96%-1%	1-8	96%-1%
ELKO	420GLEI	230V50Hz	40-420	U	1-14	98%-1%	1-13	97%-4%	1-10	97%-19%	1-10	97%-19%


Angaben zum OSRAM Lampentyp

Bewertung der Testergebnisse in Ampel Kategorien. Beinhaltet sowohl die Lampenanzahl als auch den dimmbaren Bereich


DIMMER COMPATIBILITY Superstar Plus CL Stick

Legend					SUPERSTAR PLUS CL STICK 75	
Good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4058075759602 / AC35677 4058075759626 / AC35678 4058075759640 / AC35679	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
2001	63533	230/50Hz	29,08	T		
2007	63533	230/50Hz	24,08	T		
ABB	STD 50-3	230/50Hz	60-500	L	100-6%	100-6%
Altenburger	50,3	230/50Hz				100-0%
AURORA	DSP 400	230/50Hz	400	L		100-0%
Berker	2861	230/50Hz	50-420	U		95-9%
Bticino	L/N/NT4411N HC/HD/HS4411	230/50Hz			100-0%	99-0%
Bticino	L/N/NT4408 HC/HD/HS4408	230/50Hz			99-0%	99-0%
bticino	NT4402N	230/50Hz	500	R		96-0%
Busch-Jaeger	6513 U-102	230/50Hz	420	T	100-3%	99-3%
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T	100-9%	99-9%
Busch-Jaeger	2250 U	230/50Hz	60-600	L		97-0%
Busch-Jaeger	6526 U	230/50Hz				
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	U	100-0%	99-0%
DimMax	420 SL	230/50Hz	200	L/T	94-0%	95-0%
DINUY	RE E11 LE1	230/50Hz	400	LED	100-0%	100-0%
ELKO	400GLI	230/50Hz			100-0%	99-0%
ELKO	315GLE	230/50Hz	20-315	T	99-0%	99-0%
ELKO	600GLE/I	230/50Hz			100-4%	100-5%
ELKO	600GLi	230/50Hz	40-600	U	96-8%	97-9%
ELKO	420GLE/I	230/50Hz	40-420	U	100-0%	100-0%
ELKO	1000LRI	230/50Hz			99-0%	99-0%
ELKO	630GLE	230/50Hz	20-630	U	75-8%	95-9%
Eitako	EUD61NPN-UC	230/50Hz	5-400	R / L / C	100-0%	100-0%
Feller	40200.LEDxxx	230/50Hz				
Feller	40600 RLC	230/50Hz	20-600	U	100-4%	100-5%
Feller	40600.RC	230/50Hz			75-8%	95-9%
Feller	40600.RL	230/50Hz			96-8%	97-9%
Feller	40420.RLC	230/50Hz			100-0%	100-0%
Feller	31000	230/50Hz			99-0%	99-0%
GIRA	226200	230/50Hz			100-0%	99-0%
Gira	030700	230/50Hz	20-525	T		99-0%
Gira	117600	230/50Hz	50-420	U	99-10%	99-6%
Gira	238500	230/50Hz				
Gira	217400	230/50Hz	4X20-250	KNX-U		100-0%
Hager	WUD87	230/50Hz	400	LED-U	99-0%	100-0%
Hamilton	KP1X40	230/50Hz	400			

DIMMER COMPATIBILITY Superstar Plus CL Stick

Legend					SUPERSTAR PLUS CL STICK 75	
Good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN/ Basic Code 4058075759602 / AC35677 4058075759626 / AC35678 4058075759640 / AC35679	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
Hugo Müller	aladin 872110 led	230/50Hz			100-0%	100-0%
Jung	225 NVDE	230/50Hz	20-500	L	100-0%	99-0%
Jung	225 TDE	230/50Hz				99-0%
Jung	254 UDI E1	230/50Hz			99-10%	99-6%
Jung	1224 LEDUDE	230/50Hz		LED		
Jung	3904 REGHE	230/50Hz				
Legrand	665114	230/50Hz	400	U	100-0%	99-0%
Legrand	574319/574339	230/50Hz	400	U	100-0%	99-0%
Legrand	572239/572739	230/50Hz	400	U	100-0%	99-0%
Legrand	078407/079207	230/50Hz	400	U	100-0%	99-0%
Legrand	048869/048871	230/50Hz	400	U	100-0%	99-0%
Legrand	067083/048869	230/50Hz	400	U	100-0%	99-0%
Legrand	770061	230/50Hz	400	RL		
Legrand	099314	230/50Hz	300	RL		
Legrand	770062	230/50Hz	400	RLC		
Legrand	078405	230/50Hz	600	RL	99-0%	99-0%
MASTER	DM-DGL	230/50Hz	1000	U / LED		
MASTER	DM-2500	230/50Hz	2500	U / LED	100-0%	100-0%
Merten	MEG5136-0000	230/50Hz			99-0%	99-0%
Merten	MEG5134-0000	230/50Hz			99-6%	94-10%
Merten	MEG5139-0000	230/50Hz			100-4%	100-5%
Merten	MEG5137-0000	230/50Hz			75-8%	95-9%
Merten	MEG5133-0000	230/50Hz			96-8%	97-9%
Merten	MEG5138-0000	230/50Hz			100-0%	100-0%
Merten	MEG 5170-0300	230/50Hz	10-200	U		
Merten	MEG 5131	230/50Hz	40-400	L	100-0%	100-0%
Merten	MEG 5132	230/50Hz			100-0%	100-0%
Merten	MEG 5140	230/50Hz	9-100	L	99-0%	99-0%
Merten	MEG 5135	230/50Hz	60-1000	L	99-0%	99-0%
MK	K4501	230/50Hz	180	L	100-5%	100-5%
NEXUS	881P-01	230/50Hz	400	L	100-0%	100-0%
NIKO	310-0190001901	230/50Hz	5-200	U	100-0%	100-0%
NIKO	330-0070000701	230/50Hz	5-200	U	100-0%	100-0%
Odace	S520512	230/50Hz				
Odace	S520511	230/50Hz			96-8%	97-9%
Odace	S520515	230/50Hz			100-0%	100-0%
Odace	S520518	230/50Hz			99-0%	99-0%
Osram	HTI DALI 315 DIM	230/50Hz	20-315	DALI-T	81-0%	99-0%

DIMMER COMPATIBILITY Superstar Plus CL Stick

Legend					SUPERSTAR PLUS CL STICK 75	
Good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4058075759602 / AC35677 4058075759626 / AC35678 4058075759640 / AC35679	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
PEHA	435 HAN	230/50Hz	60-600	L	100-5%	100-8%
Schneider	400GLI	230/50Hz	40-400	T	100-0%	99-0%
Schneider	SBD315RC	230/50Hz			99-0%	99-0%
Schneider	SBD200LED	230/50Hz	400			
Schneider	SBD600RCRL	230/50Hz			100-4%	100-5%
Schneider	SBD630RC	230/50Hz			75-8%	95-9%
Schneider	SBD600RL	230/50Hz			96-8%	97-9%
Schneider	SBD420RCRL	230/50Hz			100-0%	100-0%
Schneider	5170	230/50Hz				99-3%
Schneider	SBD400RL	230/50Hz			100-0%	100-0%
Schneider	SBDSPL	230/50Hz			99-0%	99-0%
Schneider	ATTD1000RL	230/50Hz			99-0%	99-0%
Shuttle	SDIM-T-LED-500W	230/50Hz	2-500	T & LED-T	99-0%	100-0%
Siemens	5TC8 284	230/50Hz	20-525	T		
Siemens	5WG1-527-1AB31	230/50Hz	20-500	KNX-U	100-0%	100-0%
theben	DIMAX 544 plus P	230/50Hz	250	T		
theben	DIMAX 534 plus	230/50Hz	400	T		
VADSBO	LD 220	230/50Hz	1-200	U	100-0%	100-0%
VARILIGHT	HQ3W	230/50Hz	400			
VARILIGHT	JQP401W	230/50Hz	400	T		100-3%
Vimar	20135	230/50Hz	3 - 100	U		
ZANO	WH401	230/50Hz	400	L	99-0%	99-0%
ZANO	WH251	230/50Hz	250			100-0%
ZANO	Z GRID 700	230/50Hz	250	LED		
ZANO	Z GRID 600	230/50Hz	250	T		
ZANO	Z GRID 500	230/50Hz	500		100-0%	100-0%

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.

Bitte beachten:

- Die Kompatibilitätsliste basiert auf Tests, die der Hersteller in einer im Labor simulierten Umgebung durchgeführt hat. Die Ergebnisse können aufgrund verschiedener Faktoren in manchen Praxisanwendungen abweichen. OSRAM übernimmt keinerlei Verantwortung, Garantie oder Haftung dafür, dass diese Ergebnisse tatsächlich mit den Geräten unter anderen Bedingungen, mit Nachfolgemodellen der getesteten Geräte, mit anderen Modellen desselben Herstellers oder bei Verwendung anderer LED-Lampentypen erreicht werden.
- Das Fehlen eines Dimmers in der Abbildung bedeutet nicht, dass ein Dimmer nicht kompatibel ist.
- Lesen Sie stets die Installationsanweisungen des Dimmerherstellers.
- LED-Lampen bestehen aus mehreren elektronischen Komponenten. Unter ungünstigen Bedingungen können diese Störgeräusche erzeugen. Im Resonanzfall können selbst geringe Geräusche einen hörbaren Effekt hervorrufen. Einflussfaktoren können die Installation, die Gestaltung des Lampenträgers, die Leuchte (akustischer Resonanzeffekt), der Dimmer oder der Trafo (Oberschwingungen oder elektronische Resonanz) sein.
- Änderungen vorbehalten.
- Irrtümer und Auslassungen vorbehalten.
- Vergewissern Sie sich, dass Sie stets die aktuellste Version benutzen.

Anwendungshinweis:

- Um bestmögliche Dimmergebnisse zu erzielen, wird die Verwendung von Phasenabschnitt-Dimmern empfohlen.
- Phasenabschnitt-Dimmer erfordern bei der Installation einen Neutralleiter.

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