

# DIMMER COMPATIBILITY PERFORMANCE 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:



220-240V **AC11692** 6500K  
 9 W 50/60 Hz 50 mA  
 Made in China XXX-XXXX

### 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					PARATHOM DIM CLP							
<span style="background-color: #90EE90; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Very good dimmability with indicated number of lamps (dimming range greater than 75%)				25 Glass Frosted		25 FIL		40 Frosted		40	
<span style="background-color: #FFFF00; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)											
<span style="background-color: #FF0000; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Undesired dimmability				EAN / Basic Code		EAN / Basic Code		EAN / Basic Code		EAN / Basic Code	
<span style="background-color: #CCCCCC; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Not relevant				1058075101319 / AC08257 1058075101333 / AC08258		4058075108165 / AC08255		4058075147935 / AC08399		4058075101418 / AC08259 4058075101395 / AC08317 4058075101432 / AC08318	
Dimmer					Dimming	Dimming	Dimming	Dimming	Dimming	Dimming	Dimming	Dimming
Brand	Model	Voltage range	Power	Type	range 1	range 4	range 1	range 4	range 1	range 4	range 1	range 4
ABB	STD 50-3	230/50Hz	60-500	L	89-3%	100-5%	89-3%	100-5%			88-2%	99-5%
Altenburger	50_3	230/50Hz	400	R	100-3%	100-3%	100-3%	100-3%			97-2%	97-2%
AURORA	DSP 400	230/50Hz	400	R		100-3%		100-3%	96-0%	96-0%		
Berker	2861	230/50Hz	50-420	U	96-10%	99-8%	96-10%	99-8%			100-1%	99-9%
Bticino	NT4402N	230/50Hz	500	R			96-4%	96-4%				85-2%
Bticino	NT4408HC/HD/HS4z	230/50Hz			100-3%	100-3%	100-3%	100-3%	94-0%	96-0%		97-1%
Bticino	L/N/NT4411N	230/50Hz			100-3%	100-3%	100-3%	100-3%	94-9%	96-3%		97-2%
Busch-Jaeger	2250 U	230/50Hz	60-600	L		40-3%		40-3%				
Busch-Jaeger	6513 U-102	230/50Hz	420	T		100-3%		100-3%			97-1%	97-1%
Busch-Jaeger	6526 U	230/50Hz			100-12%	100-3%	100-12%	100-3%			96-0%	99-6%
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T		100-13%		100-13%		96-6%		97-1%
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	U	95-3%	99-3%	95-3%	99-3%				96-1%
DINUY	RE EL1 LE1	230/50Hz	400	LED	100-3%	100-3%	100-3%	100-3%	96-4%	96-4%	100-1%	100-2%
ELKO	400GLI	230/50Hz				93-3%		93-3%				85-2%
ELKO	315GLE	230/50Hz	20-	T		100-3%		100-3%				96-2%
ELKO	600GLI	230/50Hz	40-600	U	100-3%	100-6%	100-3%	100-6%			99-2%	100-2%
ELKO	420GLE/I	230/50Hz	40-420	U		101-3%		101-3%		94-6%		97-2%

Information about the OSRAM lamp type

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

## DIMMER KOMPATIBILITÄT PERFORMANCE 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.



220-240V **AC11692** 6500K  
 9 W 50/60 Hz 50 mA  
 Made in Germany XXX-XXXX

#### 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 unerwünschtes dimmverhalten auftreten kann etc.







Liste der getesteten Dimmer

Legend					PARATHOM DIM CLP			
					23 Glass Frosted	25 FIL	40 Frosted	40
Very good dimmability with indicated number of lamps (minimum range at least 0.75%)								
Limited dimmability with indicated number of lamps (minimum range at least 0.75%)								
Undesired dimmability								
Not relevant								
Dimmer					AC00007	AC00008	AC00009	AC00010
Brand	Model	Voltage range	Power	Type	1 lamp	2 lamp	3 lamp	4 lamp
ABB	STO 50-3	230/50 Hz	60-500	L	100-2%	100-2%	100-2%	100-2%
AURORA	S.O.3	230/50 Hz			100-2%	100-2%	100-2%	100-2%
AURORA	OSP 400	230/50 Hz	400	R	100-2%	100-2%	100-2%	100-2%
Beimar	28 61	230/50 Hz	50-420	U	95-10%	95-2%	95-10%	95-2%
Belcho	NT44 02 IN	230/50 Hz	500	R	100-2%	100-2%	100-2%	100-2%
Belcho	NT44 08 HC (H2) (H24)	230/50 Hz			100-2%	100-2%	100-2%	100-2%
Belcho	L/N/NT44 11N	230/50 Hz			100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	21 50 U	230/50 Hz	60-600	L	100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	6 51 3 U-10 2	230/50 Hz	420	T	100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	66 28 U	230/50 Hz			100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	6 51 3 U-10 2	230/50 Hz	40-420	T	100-2%	100-2%	100-2%	100-2%
CEINTEC/CONTRON	MSW-TIP/10/5R	230/50 Hz	60-600	U	95-2%	95-2%	95-2%	95-2%
DIMBY	66 61 L LED	230/50 Hz	400	LED	100-2%	100-2%	100-2%	100-2%
ELKO	40 OGLI	230/50 Hz			100-2%	100-2%	100-2%	100-2%
ELKO	215 GLE	230/50 Hz	30-	T	100-2%	100-2%	100-2%	100-2%
ELKO	60 OGLI	230/50 Hz	40-600	U	100-2%	100-2%	100-2%	100-2%
ELKO	42 OGLI	230/50 Hz	40-420	U	100-2%	100-2%	100-2%	100-2%



Angaben zum OSRAM Lampentyp

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



## DIMMER COMPATIBILITY PERFORMANCE STICK

Legend					LED Performance stick E27&B22d 9W/FR		LED Performance stick E27&B22d 12W/FR	
 Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code		 EAN / Basic Code	
 Limited dimmability with indicated number of lamps (dimming range smaller than 75%)								
 Undesired dimmability								
 Not tested					4058075129269/AC09081 4058075129283/AC09082 4058075129306/AC09083 4058075129320/AC09084 4058075166868/AC11689 4058075166844/AC11692		4058075129344/AC09085 4058075129368/AC09086 4058075129382/AC09087 4058075129405/AC09088 4058075166882/AC11690 4058075166905/AC11691	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
Clipsal	32ELEDM	230/50Hz	400W	LED	100-12%	100-12%	100-12%	100-12%
Trader	DIMPALA	230/50Hz	400W	U	100-6%	100-6%	100-6%	100-6%
Clipsal	32E450UDM	230/50Hz	450W	U	100-28%	100-28%	100-28%	100-28%
HPM	CAT400T	230/50Hz	400W	T	100-19%	100-19%	100-19%	100-19%
Lumex	LOADSMART	230/50Hz	450W	U	100-13%	100-13%	100-13%	100-13%
SAL	SDA450	230/50Hz	450W	T	100-19%	100-19%	100-19%	100-19%
Clipsal	32ELEDMWE	230/50Hz	450W	LED	100-12%	100-12%	100-12%	100-12%
Dignet	MMDM/PB	230/50Hz	400W	Push Button	100-10%	100-10%	100-10%	100-10%
Clipsal	32E450LM	230/50Hz	450W	L	100-19%	100-19%	100-19%	100-19%

## DIMMER COMPATIBILITY PERFORMANCE STICK

Legend					LED Performance stick E27&B22d 9W/FR		LED Performance stick E27&B22d 12W/FR	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code		 EAN / Basic Code	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)								
Undesired dimmability								
Not tested								
					4058075129269/AC09081 4058075129283/AC09082 4058075129306/AC09083 4058075129320/AC09084 4058075166868/AC11689 4058075166844/AC11692		4058075129344/AC09085 4058075129368/AC09086 4058075129382/AC09087 4058075129405/AC09088 4058075166882/AC11690 4058075166905/AC11691	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
Clipsal	32ELEDM	230/50Hz	400W	LED	100-12%	100-12%	100-12%	100-12%
Trader	DIMPALA	230/50Hz	400W	U	100-6%	100-6%	100-6%	100-6%
Clipsal	32E450UDM	230/50Hz	450W	U	100-28%	100-28%	100-28%	100-28%
HPM	CAT400T	230/50Hz	400W	T	100-19%	100-19%	100-19%	100-19%
Lumex	LOADSMART	230/50Hz	450W	U	100-13%	100-13%	100-13%	100-13%
SAL	SDA450	230/50Hz	450W	T	100-19%	100-19%	100-19%	100-19%
Clipsal	32ELEDMWE	230/50Hz	450W	LED	100-12%	100-12%	100-12%	100-12%
Dignet	MMDM/PB	230/50Hz	400W	Push Button	100-10%	100-10%	100-10%	100-10%
Clipsal	32E450LM	230/50Hz	450W	L	100-19%	100-19%	100-19%	100-19%

## DIMMER COMPATIBILITY PERFORMANCE STICK

<b>Legend</b>					<b>LED Performance stick E27&amp;B22d 9W/FR</b>		<b>LED Performance stick E27&amp;B22d 12W/FR</b>	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code		 EAN / Basic Code	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)								
Undesired dimmability								
Not tested								
					4058075129269/AC09081 4058075129283/AC09082 4058075129306/AC09083 4058075129320/AC09084 4058075166868/AC11689 4058075166844/AC11692		4058075129344/AC09085 4058075129368/AC09086 4058075129382/AC09087 4058075129405/AC09088 4058075166882/AC11690 4058075166905/AC11691	
<b>Dimmer</b>					Dimming range	Dimming range	Dimming range	Dimming range
Brand	Model	Voltage range	Power	Type	1 Lamp	4 Lamps	1 Lamp	4 Lamps
Clipsal	32ELEDM	230/50Hz	400W	LED	100-12%	100-12%	100-12%	100-12%
Trader	DIMPALA	230/50Hz	400W	U	100-6%	100-6%	100-6%	100-6%
Clipsal	32E450UDM	230/50Hz	450W	U	100-28%	100-28%	100-28%	100-28%
HPM	CAT400T	230/50Hz	400W	T	100-19%	100-19%	100-19%	100-19%
Lumex	LOADSMART	230/50Hz	450W	U	100-13%	100-13%	100-13%	100-13%
SAL	SDA450	230/50Hz	450W	T	100-19%	100-19%	100-19%	100-19%
Clipsal	32ELEDMWE	230/50Hz	450W	LED	100-12%	100-12%	100-12%	100-12%
Dignet	MMDM/PB	230/50Hz	400W	Push Button	100-10%	100-10%	100-10%	100-10%
Clipsal	32E450LM	230/50Hz	450W	L	100-19%	100-19%	100-19%	100-19%

**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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