

# DIMMER COMPATIBILITY PERFORMANCE CLASSIC A\_B\_P

## 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 **AC08162** 2700K  
 13 W 50/60 Hz 27 mA  
 Made in Germany 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: #FFD700; 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: #FF4500; 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: #808080; 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	400GLE	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 CLASSIC A\_B\_P

## 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 **AC08162** 2700K  
 13 W 50/60 Hz 27 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							
					2.5 Glass Frosted		25 FIL		40 Frosted		40	
Very good dimmability with indicated number of lamps (dimmable range greater than 75%)												
Limited dimmability with indicated number of lamps (dimmable range between 75%)												
Undesired dimmability												
Not relevant												
Dimmer					OSRAM Basic Code		OSRAM Basic Code		OSRAM Basic Code		OSRAM Basic Code	
Brand	Model	Voltage range	Power	Type	1	2	3	4	5	6	7	8
ABB	STO 50-2	230/50 Hz	60-900	L	100-2%	100-2%	99-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Alibaba	5.0.2	230/50 Hz	400	R	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
AURORA	DSP 400	230/50 Hz	400	R	95-10%	99-4%	95-10%	95-4%	95-0%	95-0%	95-0%	95-0%
Berker	38.61	230/50 Hz	50-420	U	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Belimo	NT44.02.N	230/50 Hz	500	R	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Belimo	NT44.08.HC (H0/H54)	230/50 Hz	400	T	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Belimo	L/N/NT44.11.N	230/50 Hz	400	T	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	22.50 U	230/50 Hz	60-600	L	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	6513 U-10.2	230/50 Hz	400	T	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	65.26 U	230/50 Hz	400	T	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Busch-Jaeger	6513 U-10.2	230/50 Hz	40-420	T	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%	100-2%
CENTURY CONTROL	MULTIDIMMER	230/50 Hz	60-600	U	95-2%	99-2%	95-2%	99-2%	95-2%	99-2%	95-2%	99-2%
DIMUY	RE 61.1 LE	230/50 Hz	400	LED	100-2%	100-2%	100-2%	100-2%	95-4%	95-4%	100-2%	100-2%
ELKO	40.06.U	230/50 Hz	400	T	100-2%	100-2%	100-2%	100-2%	95-2%	95-2%	100-2%	100-2%
ELKO	215.01.E	230/50 Hz	20-	T	100-2%	100-2%	100-2%	100-2%	95-2%	95-2%	100-2%	100-2%
ELKO	60.06.U	230/50 Hz	40-600	U	100-2%	100-2%	100-2%	100-2%	95-2%	95-2%	100-2%	100-2%
ELKO	41.06.F1	230/50 Hz	40-420	U	100-2%	100-2%	100-2%	100-2%	95-2%	95-2%	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 CLASSIC A\_B\_P

Legend						PERFORMANCE CL B 40 CLP40 E14	PERFORMANCE CL B 40 CLP40 E27/B22D	PERFORMANCE CLA60	PERFORMANCE CLA75	PERFORMANCE CLA100					
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															
Dimmer						AC08162AC08166AC17403AC17412 AC08317AC09766AC17417	AC08168AC17408AC17410AC17411AC1 7413AC17414AC08318AC08316AC1741 5AC17416AC17418AC17419	AC08114AC08113AC17384AC17385AC1 7386AC17387AC08118AC08115AC08117 AC17388AC17389AC17390	AC08119AC17391AC17392AC17393AC1 7394AC17395AC08122AC17396AC0812 3AC17397AC17398AC17399	AC08125AC17400AC17401AC17402AC1 7403AC17404AC08127AC08126AC0812 8AC17405AC17406AC17407					
Brand	Model	Voltage range	Power	Type	Country	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Panasonic	WEG57813K	230/50Hz	L	40-300W	Thailand	40-0%	40-0%	42.7-0%	100-0%	97.7-0%	100-0%	99.6-6.55%	99.6-10.9%	84-0%	84-0%
Panasonic	WEG 57912	230/50Hz	L	40-200W	Thailand	98.7-0%	99-0%	100-0%	99.2-0%	100-0%	100-0%	100-0%	100-0%	96.5-0%	96-10%
Anam / Legrand	ASW3000H	230/50Hz	L	3000	Korea	98-0%	98-0%	99.2-0%	100-0%	100-0%	100-0%	95.6-7%	95.1-9.56%	92.5-8.5%	91.5-8%
LUMEX	LOADSMART LT1D450LS	230/50Hz	Univerasl	450W	Australia	98-0%	98-0%	98.4-0%	100-0%	100-0%	100-0%	95.1-4.7%	95.3-3.82%	91.6-2.4%	91.6-2%
Clipsal	32E450UDM	230/50Hz	Univerasl	450W	Australia	97-0%	97-0%	100-0%	100-0%	100-0%	100-0%	96.7-19.2%	96.7-20%	91-16%	91.6-17%
Clipsal	32ELEDM	230/50Hz	LED	400W	Australia	95-0%	95-0%	100-10%	100-9%	100-0%	100-0%	96.5-5.6%	96.3-6.8%	92.8-3.3%	94.4-3%
TRADER	impala(MEDM LEDSMAR	230/50Hz	Univerasl	400W	Australia	93.6-0%	93.6-0%	100-0%	100-0%	100-0%	100-0%	94-21%	94.9-0%	90-0%	91-0%
SAL	SDA450	230/50Hz	T	450W	Australia	95-1%	95-1%	85.2-0%	100-0%	100-0%	100-0%	98-16%	98-13%	95-20%	95-16%
HPM	CAT400T HPM	230/50Hz	T	400W	Australia	98-0%	98-0%	100-0%	100-10%	100-0%	100-9%	92.7-9.1%	91.6-10%	82-13%	82-13%
Dynalite	DMC810GL	230/50Hz	L	4*2200W	Australia/China	84.8-0%	84.8-0%	84.1-0%	99.2-0%	98-0%	100-0%	98.5-0%	99.5-0%	93-0%	93-0%
TCL-Legrand	V8051-M	230/50Hz	L	40-630W	China	93.6-0%	93.6-0%	97.6-0%	97.6-0%	100-0%	100-0%	99.8-6.5%	99.8-10%	95-2%	97-4.5%
Schneider-Clipsal	E843IEPD4	230/50Hz	L	25-350W	China	96.6-0%	96.6-0%	100-0%	100-0%	100-0%	100-0%	99-6.2%	90-4%	91-0%	91-0%
Schneider-Clipsal	KB31RD400/ FB31RD400	230/50Hz	L	400W	Malaysia/Middle East	95.2-0%	95.2-0%	100-0%	100-0%	98.2-0%	100-0%	99.9-9.5%	99.8-14%	95.7-2%	95-3.5%
MK branded	K1541 WHI	230/50Hz	T	75-500W	Middle East	11-0%	11-0%	12.6-0%	47.5-0%	15-0%	97-0%	99.5-3%	99.5-0%	78-1%	61-0%
Veto	VT-500	230/50Hz	T	60-500W	Middle East	16.1-0%	16.1-0%	19.8-0%	92.9-0%	35-0%	94-0%	99.5-3%	99.5-0%	89-1%	89-0%
Shuttle	SDIM-T-LED 500W	230/50Hz	T	500W	South Africa	98.8-0%	98.8-0%	99-0%	99-0%	100-0%	100-0%	99.5-12%	99.5-9.6%	95.6-19%	95.6-16%
Shuttle	SDIM-T-LED-R 500W	230/50Hz	T	500W	South Africa	97.3-0%	97.3-0%	100-0%	100-0%	100-0%	100-0%	98.9-9.6%	98.9-6.2%	95.6-16%	95.6-13%
Shuttle	SDIM-T-LED 125W	230/50Hz	T	125W	South Africa	97-0%	97-0%	0-0%	0-0%	100-0%	100-0%	95.1-6.5%	95.1-3.6%	96-19%	96-16%
Step (new)	E033	230/50Hz	L	45-300W	Thailand	0-0%	0-0%	45.9-0%	97.2-0%	43.6-0%	43.6-0%	99.5-1.2%	99.5-0%	97-0%	97-0%
Bticino	SAM5350	230/50Hz	L	40-300W	Thailand	0-0%	0-0%	54.5-0%	99-0%	100-0%	100-0%	99.3-0%	100-0%	96-0%	97-0%
SR SANJOON	SRD-100	230/50Hz	L	1000W	Korea	44-0%	44-0%	73-0%	98.4-5.5%	93.6-0%	100-0%	100-20%	100-27%	94-13%	96-8%
IN HEUNG ELECTRI	JH-922473	230/50Hz	L	1000W	Korea	84.2-0%	84.2-0%	85.2-0%	100-1%	86.5-0%	100-0%	99.6-14%	100-10.5%	95-7.8%	94-7.5%
HPM	CAT400L	230/50Hz	L	250W	Australia	98.4-0%	98.4-0%	92.1-0%	93.7-0%	100-0%	100-0%	82.40-7.9%	84-8.7%	78-10%	78-9%
DIGINET(GERARD)	MMDM/PB	230/50Hz	Push Button	400W	Australia	98-0%	98-0%	98.4-0%	100-0%	100-0%	100-0%	94.7-3.45%	95-3.6%	90-1.3%	90-1.8%
Clipsal	32E450LM	230/50Hz	L	450W	Australia	97.6-0%	97.6-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	95-0%	95-0%
Schneider-Electric	40600 RL	230/50Hz	L	40-600W	China	97.6-0%	97.6-0%	100-0%	100-0%	100-0%	100-0%	100-0%	96-3.5%	89-16%	89-14%
Schneider-Electric	U201DST600	230/50Hz	L	40-600VA	China	0-0%	0-0%	31-20.6%	84.5-0%	11.4-0%	85-0%	92.4-8%	97-7%	82-1.8%	79-0%
Schneider-Electric	C460	230/50Hz	L	400W	China	96.8-0%	96.8-0%	100-0%	100-0%	97.7-0%	100-0%	96.5-18.7%	100-19%	94-4%	95-2%
Honyar	KT250	230/50Hz	L	15-250W	China	96-0%	96-0%	79.2-0%	100-0%	95-0%	100-0%	99.5-4.7%	99.6-11%	94-2.5%	95-3.6%
Panasonic	WMS549	230/50Hz	L	40-400W	China	90.5-0%	90.5-0%	92.4-0%	0%	52.9-0%	0-0%	98.7-4.8%	99-12%	94-1.5%	94-3%
Lutron	GXI-3104-T-CE-WH	230/50Hz	T	2300W	China	98-0%	98-0%	99.2-0%	100-0%	56.8-0%	58.2-0%	99-7%	98.5-6.5%	95-6.5%	94-6.3%
Siemens	5UH8622-3NC01	230/50Hz	L	25-400W	China	98.1-0%	98.1-0%	92.5-0%	97.6-9.52%	100-0%	100-0%	99-16.7%	99-28.7%	93-9%	94.5-11%
Legrand	617030	230/50Hz	L	600W	Middle East	90.4-0%	90.4-0%	93.7-0%	100-0%	100-0%	100-0%	100-0%	100-0%	95.6-0%	95.6-0%

**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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