

# DIMMER COMPATIBILITY PERFORMANCE CLASSIC DIM

## 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 **AC01769** 2700K  
 10.5 W 50/60 Hz 50 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 CL P							
<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 CLASSIC DIM

## 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 **AC01769** 2700K  
 10.5 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			
					2.5 Glass Frosted	25 FIL	40 Frosted	40
Very good dimmability with indicated number of lamps (minimum range at least 7.5%)								
Limited dimmability with indicated number of lamps (minimum range at least 7.5%)								
Unreliable dimmability								
Not relevant								
Dimmer					AC00227	AC00228	AC00229	AC00230
Brand	Model	Voltage range	Power	Type	1 lamp	2 lamp	3 lamp	4 lamp
ABB	STO 5.0-3	230/50 Hz	60-50.0	L	99-2%	100-5%	99-2%	100-5%
Alemburger	S.O.3	230/50 Hz			100-2%	100-2%	100-2%	97-2%
AURORA	OSP 4.00	230/50 Hz	4.00	R	100-2%	100-2%	95-0%	95-0%
Beimar	28.61	230/50 Hz	5.0-42.0	U	95-10%	95-4%	95-10%	95-4%
Belcho	NT44.02.01	230/50 Hz	5.00	R	100-2%	100-2%	94-0%	95-0%
Belcho	NT44.02.01 (4.0/4.5)	230/50 Hz			100-2%	100-2%	94-0%	95-0%
Belcho	L/N/NT44.11N	230/50 Hz			100-2%	100-2%	94-0%	95-0%
Busch-Jaeger	21.50 U	230/50 Hz	6.0-60.0	L		40-3%		40-3%
Busch-Jaeger	6.51.2 U-10.2	230/50 Hz	4.20	T		100-2%		97-1%
Busch-Jaeger	6.51.2 U	230/50 Hz			100-12%	100-2%	100-12%	100-2%
Busch-Jaeger	6.51.2 U-10.2	230/50 Hz	4.0-42.0	T			95-0%	95-0%
CEINTEC/CONTRON	MSW-T-R10/05R	230/50 Hz	6.0-60.0	U	95-2%	95-2%	95-2%	95-2%
DINVOY	62.61.1.2	230/50 Hz	4.00	LED	100-2%	100-2%	100-2%	100-2%
ELKO	40.0GLI	230/50 Hz				93-3%		93-3%
ELKO	2.15.0GL	230/50 Hz	10-	T		100-2%		99-2%
ELKO	60.0GLI	230/50 Hz	4.0-60.0	U	100-2%	100-5%	100-2%	99-2%
ELKO	42.0GLI	230/50 Hz	4.0-42.0	U		101-2%		97-2%

Angaben zum OSRAM Lampentyp

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

## DIMMER COMPATIBILITY PERFORMANCE CLASSIC DIM

Legend					PERFORMANCE CL B 25		PERFORMANCE CL B 40		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%)				EAN / Basic Code		EAN / Basic Code		EAN / Basic Code		EAN / Basic Code		EAN / Basic Code			
	Undesired dimmability				4058075214910 / AC14000		4058075214934 / AC14001 4058075214958 / AC14003 4058075214972 / AC14004		4058075214996 / AC01738 4058075226258 / AC014368 4058075215016 / AC14006		4058075215030 / AC01769		4058075215054 / AC01770			
	Not relevant				Dimmer		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
Brand	Model	Voltage range	Power	Type												
Panasonic	WEG57813K	230/50Hz	L	40-300W	100-4%	97-5%	78-2%	100-0%	100-1%	57-3%	100-2%	100-3%	80-1%	50-2%		
Panasonic	WEG 57912	230/50Hz	L	40-200W	99-0%	99-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	97-0%	96-0%		
Anam / Legrand	ASW3000H	230/50Hz	L	3000	97-40%	98-59%	98-39%	98-42%	100-24%	96-28%	100-44%	100-26%	83-16%	76-20%		
LUMEX	JADSMART LT1D450L	230/50Hz	Univerasl	450W	98-10%	98-9%	98-7%	98-6%	100-4%	100-3%	100-7%	100-7%	87-6%	86-5%		
Clipsal	32E450UDM	230/50Hz	Univerasl	450W	99-39%	99-39%	100-28%	100-28%	100-28%	100-3%	100-30%	100-29%	91-23%	92-23%		
Clipsal	32ELEDM	230/50Hz	LED	400W	98-15%	98-15%	100-10%	100-9%	100-5%	100-5%	100-11%	100-10%	90-8%	90-8%		
TRADER	apala(MEDM LEDSM	230/50Hz	Univerasl	400W	98-0%	98-0%	100-0%	98-0%	100-1%	100-0%	100-0%	100-0%	87-0%	88-0%		
SAL	SDA450	230/50Hz	T	450W	99-29%	99-26%	100-23%	100-19%	100-22%	100-10%	100-21%	100-19%	92-17%	92-16%		
HPM	CAT400T HPM	230/50Hz	T	400W	98-22%	98-22%	98-15%	100-15%	100-7%	100-9%	100-16%	100-16%	82-13%	82-13%		
Dynalite	DMC810GL	230/50Hz	L	4*2200W	99-48%	99-58%	100-48%	100-46%	100-30%	100-30%	100-46%	99-46%	91-28%	92-25%		
TCL-Legrand	V8051-M	230/50Hz	L	40-630W	99-23%	100-26%	100-6%	100-13%	100-0%	100-0%	100-0%	100-0%	98-1%	98-0%		
Siemens	SUH8122-3NC01	230/50Hz	L	25-400W	97-45%	99-45%	98-22%	100-32%	95-8%	94-15%	100-15%	100-20%	92-11%	93-16%		
Schneider-Clipsal	E8431EPD4	230/50Hz	L	25-350W	98-0%	98-0%	98-0%	98-0%	100-1%	100-0%	100-0%	100-0%	83-0%	27-0%		
Schneider-Clipsal	31RD400/ FB31RD4C	230/50Hz	L	400W	100-21%	99-22%	100-9%	100-13%	100-0%	100-0%	100-15%	100-7%	97-8%	98-5%		
MK branded	K1541 WHI	230/50Hz	T	75-500W	88-3%	98-20%	71-2%	71-2%	70-1%	68-0%	73-5%	100-7%	53-1%	57-3%		
Veto	VT-500	230/50Hz	T	60-500W	97-0%	97-18%	98-0%	98-7%	72-0%	75-0%	100-11%	100-6%	85-1%	58-3%		
Shuttle	SDIM-T-LED 500W	230/50Hz	T	500W	78-0%	75-0%	67-0%	64-0%	66-0%	62-0%	66-0%	64-0%	50-0%	48-0%		
Shuttle	SDIM-T-LED-R 500W	230/50Hz	T	500W	99-23%	100-21%	100-18%	100-15%	100-11%	100-12%	100-18%	100-16%	92-13%	91-12%		
Shuttle	SDIM-T-LED 125W	230/50Hz	T	125W	73-0%	71-0%	63-0%	60-0%	60-0%	57-0%	62-0%	60-0%	48-0%	46-0%		
Step (new)	E033	230/50Hz	L	45-300W	98-0%	99-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	98-0%	98-0%		
Bticino	SAMS350	230/50Hz	L	40-300W	98-0%	99-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	97-0%	97-0%		
SR SANJOON	SRD-100	230/50Hz	L	1000W	99-42%	99-47%	100-28%	100-31%	100-16%	100-22%	100-33%	100-20%	96-10%	96-15%		
JIN HEUNG ELECTRIC	JH-922473	230/50Hz	L	1000W	99-33%	99-37%	100-21%	100-23%	100-15%	100-22%	100-22%	100-10%	97-7%	98-12%		
HPM	CAT400L	230/50Hz	L	250W	96-36%	97-36%	100-22%	100-22%	94-21%	93-13%	100-24%	100-24%	0%	97-15%		
DIGINET(GERARD)	MMDM/PB	230/50Hz Push Button	L	400W	98-0%	98-0%	98-0%	98-0%	100-0%	100-0%	100-0%	100-0%	88-0%	88-0%		
Clipsal	32E450LM	230/50Hz	L	450W	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	98-0%	98-0%		
Schneider-Electric	40600 RL	230/50Hz	L	40-600W	97-48%	97-48%	98-32%	98-35%	100-33%	80-14%	100-38%	100-16%	83-25%	67-11%		
Schneider-Electric	U201DST600	230/50Hz	L	40-600VA	98-0%	97-0%	100-9%	100-0%	98-5%	95-0%	100-3%	100-0%	77-1%	76-0%		
Schneider-Electric	C460	230/50Hz	L	400W	99-32%	99-32%	100-18%	98-19%	100-0%	100-0%	100-20%	100-8%	98-5%	98-6%		
Honyar	KT250	230/50Hz	L	15-250W	98-19%	98-24%	100-0%	100-11%	100-1%	100-6%	100-14%	100-8%	95-5%	95-5%		
Panasonic	WMS549	230/50Hz	L	40-400W	98-21%	99-25%	98-5%	100-13%	100-0%	100-0%	100-14%	100-0%	95-0%	95-5%		
Lutron	GXI-3104-T-CE-WH	230/50Hz	T	2300W	98-12%	98-15%	100-10%	98-7%	100-3%	100-7%	100-9%	100-10%	88-8%	88-8%		
Siemens	SUH8622-3NC01	230/50Hz	L	25-400W	100-44%	100-31%	98-27%	100-31%	88-12%	100-21%	99-24%	100-19%	93-10%	93-15%		
Legrand	617030	230/50Hz	L	600W	99-0%	99-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	98-0%	98-0%		
OSRAM	DALI 315/230-240 D	230/50Hz	Hti	35-105W	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	100-0%	98-0%	97-0%		

**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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