

# DIMMER COMPATIBILITY PERFORMANCE PAR16

## 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 **AC10154** 2700K  
 8 W 50/60 Hz 47 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				058075101318 / AC08257 058075101333 / 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 lamps	range 4 lamps	range 1 lamps	range 4 lamps	range 1 lamps	range 4 lamps	range 1 lamps	range 4 lamps
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					96-10%	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/HS4+	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%			97-6%	97-1%
Busch-Jaeger	6526 U	230/50Hz	400	T	100-12%	100-3%	100-12%	100-3%			96-1%	99-5%
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T		100-13%		100-13%		96-6%		97-10%
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	600GLE	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 PAR16

## 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 **AC10154** 2700K  
 8 W 50/60 Hz 47 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	2.5 FIL	40 Frosted	40
Very good dimmability with indicated number of lamps (dimmability range at least 50%)								
Limited dimmability with indicated number of lamps (dimmability range at least 25%)								
Undesired dimmability								
Not relevant								
Dimmer					Basic Code			
Brand	Model	Voltage range	Power	Type	2.5 Glass Frosted	2.5 FIL	40 Frosted	40
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%
Berker	DSP 400	230/50 Hz	400	R	100-2%	100-2%	100-2%	100-2%
Bidino	NT44 02 IN	230/50 Hz	500	R	95-10%	95-4%	95-10%	95-4%
Bidino	NT44 04HC (40/454)	230/50 Hz			100-2%	100-2%	100-2%	100-2%
Bidino	L/N/NT44 11N	230/50 Hz			100-2%	100-2%	100-2%	100-2%
Schwaiger	21 50 U	230/50 Hz	60-600	L	100-2%	100-2%	100-2%	100-2%
Schwaiger	651 2 U-10 2	230/50 Hz	420	T	100-2%	100-2%	100-2%	100-2%
Schwaiger	66 26 U	230/50 Hz			100-12%	100-2%	100-12%	100-2%
Schwaiger	651 2 U-10 2	230/50 Hz	40-420	T	100-12%	100-12%	100-12%	100-12%
CENTURY CONTROL	MSLTP100/100R	230/50 Hz	60-600	U	95-2%	95-2%	95-2%	95-2%
DINVOY	60 61 L 60	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 1	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 PAR16

Legend					PERFORMANCE PAR16	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4058075165878/AC10154 4058075165892/AC10155 4058075187573/AC10155 4058075165915/AC10156 4058075187597/AC10156 4058075165939/AC10157 4058075187610/AC10157	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
LED PERFORMANCE PAR 16 80					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
<b>AAA</b>						
TCL-Legrand	V8051-M	230/50Hz	40-630W	L	11-101%	7-97%
Panasonic	WEG57813	230/50Hz	40-300W	L	6-83%	0-79%
LUMEX	JADSMART LT1D450L	230/50Hz	500VA	L	11-91%	7-85%
Schneider-Clipsal	KB31RD400	230/50Hz	400W	L	20-100%	9-96%
Clipsal	32E450UDM	230/50Hz	450W	T	32-95%	26-91%
HPM	CAT400T HPM	230/50Hz	400W	T	19-87%	15-82%
Anam / Legrand	ASW3000H	230/50Hz	1000W	T	37-88%	31-84%
Trader	Dimpala	230/50Hz	400W	U	0-91%	0-86%
Clipsal	32ELEDM	230/50Hz	400W	LED	14-93%	10-87%
Siemens	5UH8622-3NC01	230/50Hz	25-400W	L	21-92%	23-91%
Schneider-Electric	C460	230/50Hz	400W	L	24-100%	11-96%
Schneider-Electric	U201DST600	230/50Hz	40-600VA	L	9-81%	0-77%
Clipsal	32E450LM	230/50Hz	450W	L	0-99%	0-94%
Honyar	KT250	230/50Hz	15-250W	L	18-97%	8-93%
Schneider-Electric	40600 RL	230/50Hz	40-600W	L	34-87%	26-83%
Step	E033	230/50Hz	45-300W	L	0-100%	0-97%
Bticino	SAM5350	230/50Hz	40-300W	L	0-100%	0-97%
Lutron	GXI-3104-T-CE-WH	230/50Hz	2300W	T	14-89%	12-87%
HPM	CAT400L	230/50Hz	400W	L	22-79%	19-74%
Panasonic	WMS549	230/50Hz	40-400W	L	13-94%	8-94%

## DIMMER COMPATIBILITY PERFORMANCE PAR16

Legend					PERFORMANCE PAR16	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4058075165878/AC10154 4058075165892/AC10155 4058075187573/AC10155 4058075165915/AC10156 4058075187597/AC10156 4058075165939/AC10157 4058075187610/AC10157	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
<b>LED PERFORMANCE PAR 16 80</b>						
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
AAA						
SAL	SDA450	230/50Hz	450W	T	20-91%	16-89%
Siemens	SUH8122-3NC01	230/50Hz	25-400W	L	17-91%	26-92%
Schneider-Clipsal	E8431EPD4	230/50Hz	25-350W	L	10-86%	9-84%
MK branded	K1541 WHI	230/50Hz	75-500W	T	10-75%	10-75%
Veto	VT-500	230/50Hz	60-500W	T	10-85%	8-84%
Shuttle	SDIM-T-LED 500W	230/50Hz	500W	T	15-94%	12-90%
Shuttle	SDIMR-T-LED 500W	230/50Hz	500W	T	16-91%	13-87%
Shuttle	SDIM-T-LED 125W	230/50Hz	125W	T	13-93%	10-89%
DIGINET(GERARD)	MMDM/PB	230/50Hz	400W	ush Butto	7-89%	5-87%
Legrand	617030	230/50Hz	600W	L	0-99%	0-97%
Panasonic	WEG 57912	230/50Hz	40-200W	L	0-96%	0-93%
SR SANJOON	SRD-100	230/50Hz	1000W	L	30-98%	26-95%
JIN HEUNG ELECTRIC	JH-922473	230/50Hz	1000W	L	25-100%	21-96%
Dynalite	DMC810GL	230/50Hz2 channels 1C		L	0-92%	0-92%
Clipsal	E30 (32V500M)	230/50Hz	500VA	L	0-100%	0-96%
OSRAM	DALI 315/230-240 D	230/50Hz	35-105W	Hti	2-97%	19-97%

## DIMMER COMPATIBILITY PERFORMANCE PAR16

Legend					PERFORMANCE PAR16	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4058075218406/AC14660 4058075218284/AC14660 4058075218314/AC14660 4058075218345/AC14661 4058075218376/AC14661	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
<b>LED PERFORMANCE PAR 16 80 LAU</b>						
Dimmer					Dimming range	Dimming range
Brand	Model	Voltage range	Power	Type	1 Lamp	4 Lamps
<b>AAA</b>						
LUMEX	JADSMART LT1D450L	230/50Hz	500VA	L	10-91%	9-90%
Clipsal	32E450UDM	230/50Hz	450W	T	32-95%	31-95%
HPM	CAT400T HPM	230/50Hz	400W	T	19-88%	19-88%
Trader	Dimpala	230/50Hz	400W	U	0-91%	0-91%
Clipsal	32ELEDM	230/50Hz	400W	LED	15-93%	14-93%
Clipsal	32E450LM	230/50Hz	450W	L	0-99%	0-99%
HPM	CAT400L	230/50Hz	400W	L	24-78%	24-79%
SAL	SDA450	230/50Hz	450W	T	24-95%	21-94%
DIGINET(GERARD)	MMDM/PB	230/50Hz	400W	Push Button	9-90%	8-90%
Dynalite	DMC810GL	230/50Hz	2 channels 1C	L	36-92%	0-92%

**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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