

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 **AC10151** 2700K
 6.5 W 50/60 Hz 35 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							
	Very good dimmability with indicated number of lamps (dimming range greater than 75%)				25 Glass Frosted		25 FIL		40 Frosted		40	
	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				058075101319 / 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%			100-1%	99-9%
bticino	NT4402N	230/50Hz	500	R			96-4%	99-8%			85-2%	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%						
Busch-Jaeger	6513 U-102	230/50Hz	420	T		100-3%		100-3%			97-6%	97-1%
Busch-Jaeger	6526 U	230/50Hz	400	U	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 L1 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 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 **AC10151** 2700K
6.5 W 50/60 Hz 35 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												
Good dimmability with indicated number of lamps												
Limited dimmability with indicated number of lamps												
Undesired dimmability												
Not relevant												
Dimmer					DIN Basic Code		DIN Basic Code		DIN Basic Code		DIN Basic Code	
Brand	Model	Voltage range	Power	Type	Range 1	Range 2	Range 1	Range 2	Range 1	Range 2	Range 1	Range 2
ABB	STO 5-0-2	230/50 Hz	60-800	L	100-2%	100-2%	99-2%	100-2%	100-2%	100-2%	100-2%	100-2%
Alemburger	5.0.2	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	94-2%	95-2%	97-2%	97-2%
AURORA	DSP 4-00	230/50 Hz	4-20	R	95-10%	99-4%	95-10%	99-4%	95-0%	95-0%	90-1%	99-0%
Berker	38.61	230/50 Hz	50-42.0	U	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
Bidino	NT44.02.N	230/50 Hz	3-20	R	100-2%	100-2%	100-2%	100-2%	95-4%	95-4%	95-2%	95-2%
Bidino	NT44.02.HC (H0/H54)	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
Bidino	L/N/NT44.11.N	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
Busch-Jaeger	22.50 U	230/50 Hz	60-800	L	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
Busch-Jaeger	6513 U-10.2	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
Busch-Jaeger	65.26 U	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
Busch-Jaeger	6513 U-10.2	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
CENTURY CONTROL	MULTIDIMMER	230/50 Hz	60-800	U	95-2%	99-4%	95-2%	99-4%	95-0%	95-0%	90-1%	99-0%
DINUV	RE 61.1 LED	230/50 Hz	4-20	LED	100-2%	100-2%	100-2%	100-2%	95-4%	95-4%	90-1%	99-0%
ELKO	40.06.U	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	93-2%	93-2%	85-2%	95-2%
ELKO	2.15.01.5	230/50 Hz	10-	T	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
ELKO	60.06.U	230/50 Hz	4-20	T	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%
ELKO	41.06.F1	230/50 Hz	4-20	U	100-2%	100-2%	100-2%	100-2%	94-0%	95-2%	94-1%	97-2%



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		PARATHOM PRO PAR16	
	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	
	Undesired dimmability				4058075165733/AC10151 4058075165816/AC10152 4058075167438/AC10152 4058075165830/AC10153 4058075167511/AC10153 4058075165854/AC10387 4058075166400/AC11237 4058075166424/AC11238 4058075166448/AC11239 4058075167559/AC10387 4058075165755/AC10149 4058075165779/AC10150		4058075095427 / AC08013 4058075095403 / AC08014	
	Not tested							
LED PERFORMANCE PAR 16 50 927/ 930/ 940								
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
TCL-Legrand	V8051-M	230/50Hz	40-630W	L	17-100%	18-100%	21-100%	23-100%
Panasonic	WEG57813	230/50Hz	40-300W	L	4-100%	4-100%	1-100%	5-100%
LUMEX	LOADSMART LT1D450LS	230/50Hz	500VA	L	8-100%	8-100%	9-100%	8-100%
Schneider-Clipsal	KB31RD400	230/50Hz	400W	L	18-100%	18-100%	19-100%	20-100%
Clipsal	32E450UDM	230/50Hz	450W	T	30-100%	29-100%	30-100%	30-100%
HPM	CAT400T HPM	230/50Hz	400W	T	17-99%	17-99%	18-100%	18-100%
Anam / Legrand	ASW3000H	230/50Hz	1000W	T	20-84%	43-100%	43-100%	18-100%
Trader	Dimpala	230/50Hz	400W	U	0-100%	0-100%	5-100%	4-100%
Clipsal	32ELEDM	230/50Hz	400W	LED	12-100%	11-100%	12-100%	11-100%
Siemens	SUH8622-3NC01	230/50Hz	25-400W	L	0-100%	34-100%	35-100%	20-100%
Schneider-Electric	C460	230/50Hz	400W	L	26-100%	25-100%	24-100%	24-100%
Schneider-Electric	U201DST600	230/50Hz	40-600VA	L	7-99%	7-98%	10-98%	0-96%
Clipsal	32E450LM	230/50Hz	450W	L	0-100%	0-100%	2-100%	2-100%
Honyar	KT250	230/50Hz	15-250W	L	17-100%	18-100%	18-100%	21-100%
Schneider-Electric	40600 RL	230/50Hz	40-600W	L	37-100%	38-100%	39-100%	40-100%
Step	E033	230/50Hz	45-300W	L	0-99%	0-100%	0-99%	3-100%
Bticino	SAM5350	230/50Hz	40-300W	L	0-100%	0-100%	2-100%	7-100%
Lutron	GXI-3104-T-CE-WH	230/50Hz	2300W	T	13-100%	12-100%	12-100%	12-100%
HPM	CAT400L	230/50Hz	400W	L	24-96%	24-96%	25-95%	25-97%
Panasonic	WMS549	230/50Hz	40-400W	L	19-100%	20-100%	17-100%	20-100%


DIMMER COMPATIBILITY PERFORMANCE PAR16

Legend					PERFORMANCE PAR16		PARATHOM PRO PAR16	
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	
Undesired dimmability								
Not tested								
LED PERFORMANCE PAR 16 50 927/ 930/ 940					4058075165793/AC10151 4058075165816/AC10152 4058075187438/AC10152 4058075165830/AC10153 4058075187511/AC10153 4058075165854/AC10387 4058075166400/AC11297 4058075166424/AC11298 4058075166448/AC11299 4058075187559/AC10387 4058075165755/AC10149 4058075165779/AC10150		4058075095427 / AC08013 4058075095403 / AC08014	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
SAL	SDA450	230/50Hz	450W	T	18-100%	17-100%	23-100%	20-100%
Siemens	5UH8122-3NC01	230/50Hz	25-400W	L	17-100%	34-100%	29-100%	22-100%
Schneider-Clipsal	E8431EPD4	230/50Hz	25-350W	L	11-100%	11-100%	9-100%	9-100%
MK branded	K1541 WHI	230/50Hz	75-500W	T	4-66%	5-62%	4-70%	7-78%
Veto	VT-500	230/50Hz	60-500W	T	3-61%	15-100%	14-100%	15-100%
Shuttle	SDIM-T-LED 500W	230/50Hz	500W	T	17-100%	16-100%	22-100%	21-100%
Shuttle	SDIMR-T-LED 500W	230/50Hz	500W	T	15-100%	14-100%	19-100%	18-100%
Shuttle	SDIM-T-LED 125W	230/50Hz	125W	T	10-100%	10-100%	14-100%	13-100%
DIGINET(GERARD)	MMDM/PB	230/50Hz	400W	Push Button	5-100%	5-100%	8-100%	7-100%
Legrand	617030	230/50Hz	600W	L	0-100%	0-100%	5-100%	5-100%
Panasonic	WEG 57912	230/50Hz	40-200W	L	0-100%	0-100%	14-100%	13-100%
SR SANJOON	SRD-100	230/50Hz	1000W	L	33-100%	35-100%	35-100%	36-100%
JIN HEUNG ELECTRIC	JH-922473	230/50Hz	1000W	L	27-100%	29-100%	29-100%	16-100%
Dynalite	DMC810GL	230/50Hz	12 channels 10A	L	0-100%	0-100%	24-100%	15-100%
OSRAM	Hti DALI 315/230-240 DIM	230/50Hz	35-105W	Hti	20-100%	16-100%	22-100%	22-100%

DIMMER COMPATIBILITY PERFORMANCE PAR16

Legend					PERFORMANCE PAR16	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4058075165793/AC10151 4058075165816/AC10152 4058075187438/AC10152 4058075165830/AC10153 4058075187511/AC10153 4058075165854/AC10387 4058075166400/AC11297 4058075166424/AC11298 4058075166448/AC11299 4058075187553/AC10387 4058075165755/AC10149 4058075165779/AC10150	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
LED PERFORMANCE PAR 16 50 865						
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
TCL-Legrand	V8051-M	230/50Hz	40-630W	L	0-100%	20-100%
Panasonic	WEG57813	230/50Hz	40-300W	L	0-100%	0-100%
LUMEX	LOADSMART LT1D450LS	230/50Hz	500VA	L	9-100%	8-100%
Schneider-Clipsal	KB31RD400	230/50Hz	400W	L	21-100%	21-100%
Clipsal	32E450UDM	230/50Hz	450W	T	31-100%	31-100%
HPM	CAT400T HPM	230/50Hz	400W	T	18-100%	18-100%
Anam / Legrand	ASW3000H	230/50Hz	1000W	T	22-86%	45-100%
Trader	Dimpala	230/50Hz	400W	U	0-99%	0-100%
Clipsal	32ELEDM	230/50Hz	400W	LED	13-100%	13-100%
Siemens	SUH8622-3NC01	230/50Hz	25-400W	L	19-100%	37-100%
Schneider-Electric	C460	230/50Hz	400W	L	28-100%	28-100%
Schneider-Electric	U201DST600	230/50Hz	40-600VA	L	0-98%	0-98%
Clipsal	32E450LM	230/50Hz	450W	L	0-100%	0-100%
Honyar	KT250	230/50Hz	15-250W	L	19-100%	22-100%
Schneider-Electric	40600 RL	230/50Hz	40-600W	L	40-100%	42-100%
Step	E033	230/50Hz	45-300W	L	0-98%	0-100%
Bticino	SAM5350	230/50Hz	40-300W	L	0-100%	0-100%

DIMMER COMPATIBILITY PERFORMANCE PAR16

Legend					PERFORMANCE PAR16	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4058075165793/AC10151 4058075165816/AC10152 4058075187438/AC10152 4058075165830/AC10153 4058075187511/AC10153 4058075165854/AC10387 4058075166400/AC11297 4058075166424/AC11298 4058075166448/AC11299 4058075187559/AC10387 4058075165755/AC10149 4058075165779/AC10150	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
LED PERFORMANCE PAR 16 50 865						
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
Lutron	GXI-3104-T-CE-WH	230/50Hz	2300W	T	13-100%	13-100%
HPM	CAT400L	230/50Hz	400W	L	24-96%	24-97%
Panasonic	WMS549	230/50Hz	40-400W	L	20-100%	22-100%
SAL	SDA450	230/50Hz	450W	T	20-100%	18-100%
Siemens	SUH8122-3NC01	230/50Hz	25-400W	L	18-100%	36-100%
Schneider-Clipsal	E8431EPD4	230/50Hz	25-350W	L	0-99%	0-100%
MK branded	K1541 WHI	230/50Hz	75-500W	T	0-69%	0-67%
Veto	VT-500	230/50Hz	60-500W	T	0-67%	18-100%
Shuttle	SDIM-T-LED 500W	230/50Hz	500W	T	0-100%	0-100%
Shuttle	SDIMR-T-LED 500W	230/50Hz	500W	T	17-100%	16-100%
Shuttle	SDIM-T-LED 125W	230/50Hz	125W	T	0-100%	0-100%
DIGINET(GERARD)	MMDM/PB	230/50Hz	400W	Push Button	0-100%	0-100%
Legrand	617030	230/50Hz	600W	L	0-100%	0-100%
Panasonic	WEG 57912	230/50Hz	40-200W	L	0-100%	0-100%
SR SANJOON	SRD-100	230/50Hz	1000W	L	28-100%	38-100%
JIN HEUNG ELECTRIC	JH-922473	230/50Hz	1000W	L	23-100%	32-100%
Dynalite	DMC810GL	230/50Hz	12 channels 10A	L	0-100%	0-100%
OSRAM	Hti DALI 315/230-240 DIM	230/50Hz	35-105W	Hti	19-99%	18-99%

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.

LEDVANCE GmbH

Head Office:

Parkring 29-33
85748 Garching, Germany
Phone +49 89 780673-100
Fax +49 89 780673-XXX
www.ledvance.com