

## DIMMER COMPATIBILITY 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 **AC01770** 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					SUPERSTAR PAR16 35 36*				SUPERSTAR PAR16 50 36*				SUPERSTAR PAR16 80 36*				SUPERSTAR PAR16 80 120*			
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																				
Not tested																				
EAN/Basic Code					4052839330153/AC01184				4052839330171/AC01187				4052839330218/AB41905				4058075036889/AC03043			
EAN/Basic Code					4052839330157/AC01182				4052839330195/AC01184				4052839330232/AB41906				4058075036825/AC03051			
Dimmer					Number of Lamps		Dimming range		Number of Lamps		Dimming range		Number of Lamps		Dimming range		Number of Lamps		Dimming range	
ABB	STD 50-3	230V50Hz	60-500	L	1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%	1-20	98% - 15%	2-20	97% - 12%	2-20	98% - 16%	2-20	98% - 16%
Altenburger Electronic	50 30	230V50Hz	15-350	T	1-10	98% - 15%	2-10	97% - 12%	1-4	96% - 1%	1-4	96% - 1%	1-10	98% - 15%	2-10	97% - 12%	1-4	96% - 1%	1-4	96% - 1%
ALPORA	DSP 400	230V50Hz	400	L	1-20	98% - 27%	1-20	98% - 26%	1-20	97% - 27%	1-20	97% - 27%	1-20	98% - 27%	1-20	98% - 26%	1-20	97% - 27%	1-20	97% - 27%
Berker	2861	230V50Hz	50-420	U	1-15	98% - 1%	1-10	97% - 5%	1-6	94% - 7%	1-6	94% - 7%	1-15	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	94% - 7%
Blicino	LNN1441N	230V50Hz			2-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%	2-20	98% - 1%	2-12	97% - 13%	1-8	95% - 22%	1-8	95% - 22%
Blicino	LNN14408	230V50Hz			2-20	99% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%	2-20	99% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%
Blicino	NT4402N	230V50Hz	500	R	1-10	96% - 22%	1-10	97% - 26%	1-9	97% - 15%	1-9	97% - 15%	1-10	96% - 22%	1-10	97% - 26%	1-9	97% - 15%	1-9	97% - 15%
Busch-Jaeger	6513 U-102	230V50Hz	40-420	T	1-10	98% - 34%	1-10	97% - 35%	1-5	97% - 23%	1-5	97% - 23%	1-10	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
Busch-Jaeger	6523 U-102	230V50Hz	420	T	2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%	2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%
Busch-Jaeger	2250 U	230V50Hz	60-600	L	1-11	98% - 1%	1-10	99% - 1%	1-5	99% - 7%	1-5	99% - 7%	1-11	98% - 1%	1-10	99% - 1%	1-5	99% - 7%	1-5	99% - 7%
Busch-Jaeger	6526 U	230V50Hz			1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%	1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%
Busch-Jaeger	2247 U-500	230V50Hz			2-20	98% - 6%	1-20	98% - 7%	1-20	97% - 10%	1-20	97% - 10%	2-20	98% - 6%	1-20	98% - 7%	1-20	97% - 10%	1-20	97% - 10%
CENTURY CONTROL	MULTI DIMMER	230V50Hz	60-600	L	1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%	1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%
DINUY	RE EL1LE1	230V50Hz	400	LED	1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%	1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%
ELKO	400GLI	230V50Hz																		
ELKO	315GLE	230V50Hz	20-315	T																
ELKO	600GLI	230V50Hz	40-600	U																
ELKO	420GLEI	230V50Hz	40-420	U																

Information about the OSRAM lamp type

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

# DIMMER KOMPATIBILITÄT 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 **AC01770** 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 unerwünschte dimmverhalten auftreten kann etc.


Liste der getesteten Dimmer

Legend					SUPER STAR PAR16 35 36*				SUPER STAR PAR16 50 36*				SUPER STAR PAR16 60 36*				SUPER STAR PAR16 60 120*			
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																				
Not tested																				
Dimmer					EAN/Basic Code				EAN/Basic Code				EAN/Basic Code				EAN/Basic Code			
Brand	Model	Voltage range	Power	Type	405283330133/AC01184 405283330157/AC01192				405283330171/AC01187 405283330199/AC01194				405283330210/AB41305 405283330232/AB41306				405807503668/AC03049 405807503632/AC03051			
ABB	STD 50-3	230V50Hz	60-500	L	1-20	98%	15%	1-13	98%	20%	1-8	97%	23%	1-8	97%	23%				
Altenburger Electronic	50 30	230V50Hz	15-350	T	2-20	98%	15%	2-20	97%	12%	2-20	98%	16%	2-20	98%	16%				
AURORA	DSP 400	230V50Hz	400	L	1-10	98%	1%	2-10	97%	1%	1-4	96%	1%	1-4	96%	1%				
Berker	2861	230V50Hz	50-420	U	1-20	98%	27%	1-20	98%	26%	1-20	97%	27%	1-20	97%	27%				
Bicino	LNINT441N	230V50Hz			1-15	98%	1%	1-10	97%	5%	1-6	94%	7%	1-6	94%	7%				
Bicino	LNINT4408	230V50Hz			2-20	98%	1%	2-9	98%	1%	1-6	97%	3%	1-6	97%	3%				
Bicino	NT4402N	230V50Hz	500	R	3-18	99%	19%	2-12	97%	19%	1-8	95%	22%	1-8	95%	22%				
Busch-Jaeger	6513 U-102	230V50Hz	40-420	T	2-20	98%	15%	2-20	98%	17%	2-20	98%	21%	2-20	98%	21%				
Busch-Jaeger	6523 U-102	230V50Hz	420	T	1-10	96%	22%	1-10	97%	26%										
Busch-Jaeger	2250 U	230V50Hz	60-600	L	1-10			2-14	98%	16%	1-9	97%	15%	1-9	97%	15%				
Busch-Jaeger	6526 U	230V50Hz			1-13	98%	34%	1-10	97%	35%	1-5			1-5						
Busch-Jaeger	2247 U-500	230V50Hz			1-20	98%	15%	1-13	98%	20%	1-8	97%	23%	1-8	97%	23%				
CENTURY CONTROL	MULTI DIMMER	230V50Hz	60-600	L	2-13	98%	1%	1-10	98%	5%	1-6	97%	9%	1-6	97%	9%				
DINJY	RE EL1LE1	230V50Hz	400	LED	1-11	98%	1%	1-10	98%	1%	1-5	99%	7%	1-5	99%	7%				
ELKO	400GLI	230V50Hz			1-10			1-10			1-4	97%	1%	1-4	97%	1%				
ELKO	316GLE	230V50Hz	20-315	T	2-20	98%	6%	1-20	98%	7%	1-20	97%	10%	1-20	97%	10%				
ELKO	600GLI	230V50Hz	40-600	U	1-20	98%	1%	1-13	97%	1%	1-8	96%	1%	1-8	96%	1%				
ELKO	420GLEI	230V50Hz	40-420	U	1-14	98%	1%	1-13	97%	4%	1-10	97%	19%	1-10	97%	19%				


Angaben zum OSRAM Lampentyp

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

## DIMMER COMPATIBILITY PAR16

Legend					Value dim PAR16 50 36°	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code 4052899353367 / AB43261	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not relevant						
Not tested						
Dimmer					Dimming range 1	Dimming range 4
Brand	Model	Voltage range	Power	Type		
AAA						
ABB	STD50-3	230V / 50Hz	60-500	L	98 - 33%	99 - 32%
Altenburger Ele	50,3	230V / 50Hz	15-350	T	98 - 26%	97 - 23%
AURORA	DSP400	230V / 50Hz	400	T	93 - 56%	91 - 56%
Berker	2561	230V / 50Hz	50-420	T	99 - 30%	99 - 26%
Berker	2875	230	60-600	L	99 - 33%	98 - 30%
bticino	NT4402N	230V / 50Hz	500	L	91 - 0%	101 - 0%
Busch-Jaeger	2250U	230V / 50Hz	60-600	L	99 - 14%	104 - 15%
Busch-Jaeger	6513U-102	230	40-420	T	104 - 1%	104 - 1%
Busch-Jaeger	6523U-LED	230	2-100	L	80 - 17%	88 - 31%
Bush-jaeger	6591ujc GL-10	230V / 50Hz	40-420	T	89 - 14%	98 - 14%
CENTURY CONTROL	MULTI DIMMER	230V / 50Hz	60-600	L		
DINUY	RE ELIELI	230V / 50Hz	400	L/T	92 - 58%	92 - 58%
ELKO	600GLI	230V / 50Hz	40-600	L	92 - 11%	90 - 10%
ELKO	630GLE	230V / 50Hz	20-630	T		
ELKO	315GLE	230	20-315	T	97 - 28%	96 - 17%
ELKO	420GLE/I	230V / 50Hz	40-420	T	69 - 32%	67 - 31%
Eltako	EUD61NPN-UC	230V / 50Hz	5-400	L/T	96 - 26%	93 - 21%
Feller	40600RLC	230V / 50Hz	20-600	L	93 - 17%	93 - 17%
Gira	30500	230V / 50Hz	50-42	T	89 - 24%	90 - 24%
Gira	217400	230V / 50Hz	1X20-25C	T	88 - 32%	89 - 33%
Gira	030700/102	230	20-525	T	98 - 0%	98 - 0%
Gira	30700	230V / 50Hz	20-525	T	99 - 0%	98 - 0%
Hager	WUD87	230V / 50Hz	400	T	88 - 33%	90 - 33%
Hamilton	kplx40	230V / 50Hz	400	L	95 - 61%	96 - 63%
Jung	225TDE	230V / 50Hz	20-525	T	83 - 13%	83 - 14%
Jung	225 NVDE	230	20-500	L	98 - 0%	99 - 0%
Legrand	281060	230V / 50Hz	500	L		
Legrand	281004	230V / 50Hz	500	L	99 - 13%	99 - 12%
Legrand	617030	230V / 50Hz	600	L	99 - 4%	99 - 4%
Legrand	770061	230V / 50Hz	400	L	98 - 18%	96 - 18%
Legrand	99314	230V / 50Hz	300	L	89 - 17%	90 - 17%
Legrand	770062	230V / 50Hz	400	T	98 - 20%	99 - 21%
Legrand	617031	230V / 50Hz	1000	L		
Legrand	078405	230V / 50Hz	600	L	91 - 1%	91 - 0%
Legrand	665114	230	400	L	99 - 0%	98 - 0%

## DIMMER COMPATIBILITY PAR16

Legend						Value dim PAR16 50 36°	
Very good dimmability with indicated number of lamps (dimming range greater than 75%)						 EAN / Basic Code	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)							
Undesired dimmability							
Not relevant							
Not tested						4052899353367 / AB43261	
Dimmer						Dimming range 1	Dimming range 4
Brand	Model	Voltage range	Power	Type			
AAA							
MASTER	DM-DGL	230V / 50Hz	1000	L	99 - 1%	99 - 0%	
MASTER	DM-2500	230V / 50Hz	2500	L	85 - 21%	85 - 21%	
Merten	MEG5131	230V / 50Hz	40-400	L	99 - 16%	99 - 14%	
Merten	MEG5140	230V / 50Hz	9-10	L	99 - 4%	99 - 5%	
Merten	MEG5135	230V / 50Hz	60-1000	L	93 - 18%	95 - 19%	
MK	K4501	230V / 50Hz	180	L			
NEXUS	881P-01	230V / 50Hz	400	L			
NIKO	310-01900/01901	230V / 50Hz	5-200	L/T	99 - 5%	99 - 2%	
NIKO	330-00700/00701	230V / 50Hz	5-200	L/T	99 - 1%	99 - 1%	
OSRAM	105/230-240DIM Ou	230V / 50Hz	35-105	DALI-T	99 - 3%	99 - 3%	
Osram	Hti DALI 315 DIM	230	20-315	DALI T	99 - 12%	99 - 11%	
PEHA	435HAN	230V / 50Hz	60-600	L	98 - 24%	99 - 24%	
Schneider	ELKO 400GLI	230	400	/	99 - 41%	99 - 40%	
shuttle	SDIM-T-LED-500W	230V / 50Hz	2-500	T	99 - 27%	99 - 26%	
Siemens	5WG1-527-1AB31	230V / 50Hz	20-500	T			
Siemens	5TC8 284	230	20-525	T	99 - 35%	98 - 35%	
VADSBO	LD220	230V / 50Hz	1-200	T	92 - 2%	93 - 1%	
VARILIGHT	HQ3W	230V / 50Hz	400	L	91 - 21%	93 - 23%	
VARILIGHT	JQP401W	230V / 50Hz	400	T	84 - 8%	83 - 8%	
Vimar	20135	230V / 50Hz	3-100	L/T	94 - 17%	94 - 17%	
Werten	MEG5170-030	230V / 50Hz	10-200	T	92 - 18%	77 - 6%	
ZANO	WH401	230V / 50Hz	400	L	96 - 23%	95 - 20%	
ZANO	WH251	230V / 50Hz	250	L	97 - 28%	96 - 24%	
ZANO	Z GRID 700	230V / 50Hz	250	T	82 - 0%	90 - 0%	
ZANO	Z GRID 500	230V / 50Hz	500	T	99 - 18%	99 - 17%	

**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](http://www.ledvance.com)