

DIMMER COMPATIBILITY 1906 CLA, CLP, Specials

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:



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				405283933017/AC01187				4052839330218/AB41905				405807503688/AC03043				
EAN/Basic Code					4052839330157/AC01182				4052839330195/AC01184				4052839330232/AB41906				405807503682/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	230/50Hz	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	230/50Hz	15-350	T	1-10	98% - 15%	2-10	97% - 1%	1-4	96% - 1%	1-4	96% - 1%	1-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%	
ALPORA	DSP 400	230/50Hz	400	L	1-20	98% - 27%	1-20	98% - 26%	1-20	97% - 27%	1-20	97% - 27%	1-15	98% - 1%	1-10	97% - 5%	1-6	94% - 7%	1-6	94% - 7%	
Berker	2861	230/50Hz	50-420	U	2-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%	3-19	99% - 19%	2-12	97% - 19%	1-8	95% - 22%	1-8	95% - 22%	
Blicino	L/NNT441N	230/50Hz			2-20	99% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%	1-10	96% - 22%	1-10	97% - 26%	1-10	96% - 22%	1-10	96% - 22%	
Blicino	L/NNT4408	230/50Hz	60-420	T	1-10	98% - 1%	2-14	98% - 16%	1-9	97% - 15%	1-9	97% - 15%	1-10	98% - 34%	1-10	97% - 35%	1-5	97% - 15%	1-5	97% - 15%	
Blicino	NT4402N	230/50Hz	500	R	1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%	1-20	98% - 1%	1-13	98% - 20%	1-8	97% - 9%	1-6	97% - 9%	
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T	2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%	1-11	98% - 1%	1-10	99% - 1%	1-5	99% - 7%	1-5	99% - 7%	
Busch-Jaeger	6523 U-102	230/50Hz	420	T	1-10	98% - 1%	1-10	99% - 1%	1-5	99% - 7%	1-5	99% - 7%	1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%	
Busch-Jaeger	2250 U	230/50Hz	60-600	L	1-10	98% - 6%	1-20	98% - 7%	1-20	97% - 10%	1-20	97% - 10%	1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%	
Busch-Jaeger	6526 U	230/50Hz			1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%	1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%	
Busch-Jaeger	2247 U-500	230/50Hz																			
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	L																	
DINUY	RE EL1LE1	230/50Hz	400	LED																	
ELKO	400GLI	230/50Hz																			
ELKO	316GLE	230/50Hz	20-315	T																	
ELKO	600GLI	230/50Hz	40-600	U																	
ELKO	420GLEI	230/50Hz	40-420	U																	

Information about the LEDVANCE lamp type

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

DIMMER COMPATIBILITY 1906 CLA, CLP, Specials

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 unerwünschtes dimmverhalten auftreten kann etc.

Liste der getesteten Dimmer

Legend					SUPERSTAR							
Very good dimmability with indicated number of lamps (dimming range greater than 75%)					PAR16 35 36*	PAR16 50 36*	PAR16 60 36*	PAR16 60 120*				
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					405283330133/AC01184	405283330171/AC01187	405283330210/AB41305	405807503668/AC03049				
Not tested					405283330157/AC01192	405283330199/AC01194	405283330232/AB41306	405807503632/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%
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%-15%	2-10	97%-14%	1-4	96%-1%	1-4	96%-1%
Berker	2861	230V50Hz	50-420	U	1-20	98%-27%	1-20	98%-25%	1-20	97%-27%	1-20	97%-27%
Bicimo	LJNNT441N	230V50Hz			1-15	98%-1%	1-10	97%-5%	1-6	94%-7%	1-6	94%-7%
Bicimo	LJNNT4408	230V50Hz			2-20	98%-1%	2-9	98%-1%	1-6	97%-3%	1-6	97%-3%
Bicimo	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 LEDVANCE Lampentyp

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

DIMMER COMPATIBILITY 1906 CLA, CLP, Specials

Product Information		Light Output		Color Temperature		Beam Angle		Dimmability		Compatibility		Notes	
Model	Power (W)	lm	lm/W	2700K	3000K	3500K	4000K	4500K	5000K	5500K	6000K	6500K	7000K
LEDVANCE	10W	1000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	15W	1500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	20W	2000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	25W	2500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	30W	3000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	35W	3500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	40W	4000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	45W	4500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	50W	5000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	55W	5500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	60W	6000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	65W	6500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	70W	7000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	75W	7500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	80W	8000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	85W	8500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	90W	9000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	95W	9500	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEDVANCE	100W	10000	100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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. LEDVANCE 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. LEDVANCE 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 1-5
85748 Garching, Germany
Phone +49 89 780673-100
Fax +49 89 780673-XXX
www.ledvance.com