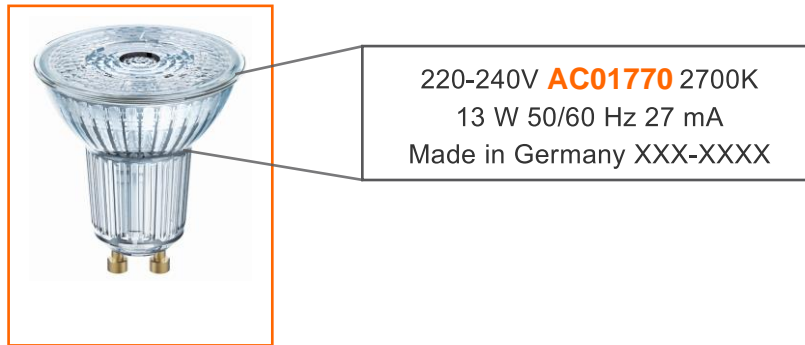


# DIMMER COMPATIBILITY STICK

## 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																						
Dimmer					EAN/Basic Code		EAN/Basic Code		EAN/Basic Code		EAN/Basic Code		EAN/Basic Code		EAN/Basic Code		EAN/Basic Code					
Brand	Model	Voltage range	Power	Type	Number of Lamps	Dimming range	Number of Lamps	Dimming range	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	4052839330153/AC01184	1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%	4052839330157/AC01152	2-20	98% - 15%	2-20	97% - 12%	2-20	98% - 16%	2-20	98% - 16%
Altenburger Electronic	50 30	230/50Hz	15-350	T	4052839330157/AC01152	1-10	98% - 15%	2-10	97% - 1%	1-4	96% - 1%	1-4	96% - 1%	4052839330159/AC01134	1-20	98% - 27%	1-20	98% - 26%	1-20	97% - 27%	1-20	97% - 27%
ALPORA	DSP 400	230/50Hz	400	L	4052839330232/AB41306	1-10	98% - 1%	2-9	98% - 1%	1-6	94% - 7%	1-6	94% - 7%	4058075036889/AC03043	1-15	98% - 1%	1-10	97% - 5%	1-6	97% - 9%	1-6	97% - 9%
Berker	2861	230/50Hz	50-420	U	4058075036889/AC03051	1-20	98% - 1%	2-12	97% - 13%	1-8	95% - 22%	1-8	95% - 22%		2-20	99% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%
Blicino	L/NNT441N	230/50Hz				1-10	96% - 22%	1-10	97% - 26%	1-9	97% - 15%	1-9	97% - 15%		1-10	98% - 1%	2-14	98% - 16%	1-9	97% - 15%	1-9	97% - 15%
Blicino	L/NNT4408	230/50Hz	40-420	T		1-13	98% - 34%	1-10	97% - 35%	1-5	97% - 23%	1-5	97% - 23%		1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
Blicino	NT4402N	230/50Hz	500	R		2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%		1-11	98% - 1%	1-10	98% - 1%	1-5	99% - 7%	1-5	99% - 7%
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T		1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%		1-10	98% - 1%	1-10	98% - 1%	1-10	97% - 19%	1-10	97% - 19%
Busch-Jaeger	6523 U-102	230/50Hz	420	T		2-20	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	2250 U	230/50Hz	60-600	L		1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%									
Busch-Jaeger	6526 U	230/50Hz																				
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	315GLE	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 STICK

### 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 80 120*				
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 STICK

Legend					SUPERSTAR PLUS CL 1514 720	
Good dimmability with indicated number of lamps (dimming range greater than 75%)					 <small>ENI / Basic Code</small> <small>4050107819520 / AC43979</small> <small>4050107819566 / AC43979</small> <small>4050107819590 / AC43983</small>	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
2001	63533	230/50Hz	29,00	T		
2007	63533	230/50Hz	24,00	T		
ABB	STD 50-3	230/50Hz	60-600	L	07-0%	95-0
Altenburger	50,3	230/50Hz				
AURORA	DSP 400	230/50Hz	400	L	100-0%	100-0
Berker	2861	230/50Hz	50-420	U	100-0%	100-0
Bicano	L/NNT4411 N	230/50Hz			100-0%	100-0
	HCHD/H544 11					
Bicano	L/NNT4408 HCHD/H544 08	230/50Hz			100-0%	100-0
	NT4402N					
Busch-Jaeger	6513 U-102	230/50Hz	420	T	100-0%	100-0
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T	100-0%	100-0
Busch-Jaeger	2250 U	230/50Hz	60-600	L		100-0
Busch-Jaeger	6526 U	230/50Hz			100-0%	100-0
NTURY CONT-MULTI DIMMER		230/50Hz	60-600	U		
DimMax	420 SL	230/50Hz	200	L/T		
DINUY	REEL1 LEL1	230/50Hz	400	LED	100-0%	100-0
ELKO	400GLU	230/50Hz			100-0%	100-0
ELKO	315GLE	230/50Hz	20-315	T		100-0
ELKO	600GLEA	230/50Hz			100-0%	100-0
ELKO	600GLU	230/50Hz	40-600	U	100-0%	100-0
ELKO	420GLEA	230/50Hz	40-420	U	100-0%	100-0
ELKO	1000RL	230/50Hz			100-0%	100-0
ELKO	630GLE	230/50Hz	20-630	U		100-0
Eitako	UDS1NPN-UK	230/50Hz	5-400	R/L/C	100-0%	100-0
Fetler	40200.LEDxxx	230/50Hz				100-0
Fetler	40600.RLC	230/50Hz	20-600	U	100-0%	100-0
Fetler	40600.RC	230/50Hz				100-0
Fetler	40600.RL	230/50Hz			100-0%	100-0
Fetler	40420.RLC	230/50Hz			100-0%	100-0
Fetler	31000	230/50Hz			100-0%	100-0
GIRA	228200	230/50Hz			100-0%	100-0
Gira	030700	230/50Hz	20-525	T		100-0
Gira	117600	230/50Hz	50-420	U		
Gira	238500	230/50Hz				
Gira	217400	230/50Hz	4X20-250	KNX-U		
Hager	WUD87	230/50Hz	400	LED-U	100-0%	100-0
Hamilton	KP1X40	230/50Hz	400			
Hugo Müller	adin 8721101	230/50Hz			100-0%	100-0
Jung	225 NVDE	230/50Hz	20-500	L	100-0%	100-0
Jung	225 TDE	230/50Hz				100-0
Jung	254 UDIE1	230/50Hz				
Jung	1224 LEUDUE	230/50Hz		LED		
Jung	3904 REGHE	230/50Hz				
Legrand	665114	230/50Hz	400	U	100-0%	100-0
Legrand	74319/57433	230/50Hz	400	U	100-0%	100-0
Legrand	72239/57273	230/50Hz	400	U	100-0%	100-0
Legrand	78407/07920	230/50Hz	400	U	100-0%	100-0
Legrand	48869/04887	230/50Hz	400	U	100-0%	100-0
Legrand	067083/048 869	230/50Hz	400	U	100-0%	100-0
Legrand	770061	230/50Hz	400	RL		

# DIMMER COMPATIBILITY STICK

Legend				SUPER DIM PLUS		
Good dimmability with indicated number of Lamps (dimming range greater than 75%)				 <small>EAN / Basic Code</small> 405807267647 / AC439/96 405807261656 / AC439/79 405807261656 / AC439/81 405807261656 / AC439/82		
Limited dimmability with indicated number of Lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
Dimmer						
Brand	Model	Voltage range	Power	Type	Dimming range 1 Lamp	Dimming range 4 Lamps
Legrand	099314	230/50Hz	300	RL		
Legrand	770062	230/50Hz	400	RLC	100-0%	100-0
Legrand	078405	230/50Hz	600	RL		
MASTER	DM-DGL	230/50Hz	1000	U/LED		
MASTER	DM-2500	230/50Hz	2500	U/LED		
Merten	IEG5136-000	230/50Hz				100-0
Merten	IEG5134-000	230/50Hz				100-0
Merten	IEG5139-000	230/50Hz			100-0%	100-0
Merten	IEG5137-000	230/50Hz				100-0
Merten	IEG5133-000	230/50Hz			100-0%	100-0
Merten	IEG5138-000	230/50Hz			100-0%	100-0
Merten	IEG5170-030	230/50Hz	10-200	U		100-0
Merten	MEG 5131	230/50Hz	40-400	L	100-0%	100-0
Merten	MEG 5132	230/50Hz			100-0%	100-0
Merten	MEG 5140	230/50Hz	9-100	L	100-0%	100-0
Merten	MEG 5135	230/50Hz	60-1000	L	100-0%	100-0
MK	K4501	230/50Hz	180	L		
NEXUS	881P-01	230/50Hz	400	L		
NIKO	0-019000190	230/50Hz	5-200	U	100-0%	100-0
NIKO	0-007000070	230/50Hz	5-200	U	100-0%	100-0
Odace	SS20512	230/50Hz				100-0
Odace	SS20511	230/50Hz			100-0%	100-0
Odace	SS20515	230/50Hz			100-0%	100-0
Odace	SS20518	230/50Hz			100-0%	100-0
Oram	T/DALI/315 DII	230/50Hz	20-315	DALI/T	100-0%	100-0
PEHA	435 HAN	230/50Hz	60-600	L		
Schneider	4000LI	230/50Hz	40-400	T	100-0%	100-0
Schneider	SBD315RC	230/50Hz				100-0
Schneider	SBD200LED	230/50Hz	400			100-0
Schneider	SBD600RCRL	230/50Hz			100-0%	100-0
Schneider	SBD630RC	230/50Hz				100-0
Schneider	SBD600RL	230/50Hz			100-0%	100-0
Schneider	SBD420RCR	230/50Hz			100-0%	100-0
Schneider	5170	230/50Hz				100-0
Schneider	SBD400RL	230/50Hz			100-0%	100-0
Schneider	SBD5PL	230/50Hz			100-0%	100-0
Schneider	ATTD1000RL	230/50Hz			100-0%	100-0
Shuttle	IM-T-LED-500	230/50Hz	3-500	T & LED-T		
Siemens	5TCS 284	230/50Hz	20-525	T		100-0
Siemens	VGI 627-1AB	230/50Hz	20-500	KNX-U		
Theben	MAX 544 plus	230/50Hz	250	T		
Theben	IMAX 534 plu	230/50Hz	400	T		
VADSO	LD 220	230/50Hz	1-200	U		
VARILIGHT	HQ3W	230/50Hz	400			100-0
VARILIGHT	QP401W	230/50Hz	400	T		100-0
Vimar	20135	230/50Hz	3-100	U		
ZANO	WH401	230/50Hz	400	L	100-0%	100-0
ZANO	WH251	230/50Hz	250		100-0%	100-0
ZANO	Z GRID 700	230/50Hz	250	LED		
ZANO	Z GRID 600	230/50Hz	250	T		
ZANO	Z GRID 500	230/50Hz	500		100-0%	100-0

**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. 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.

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