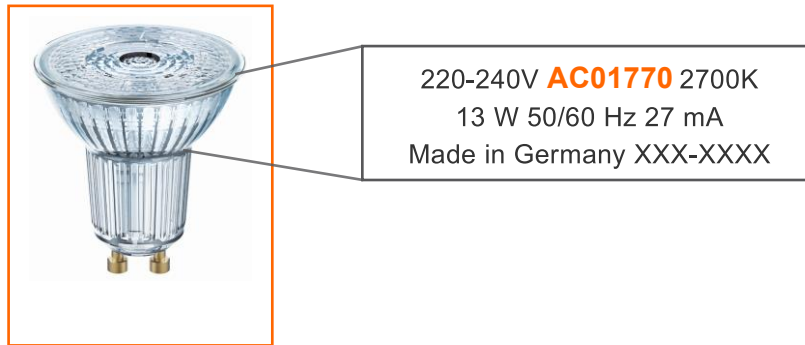


DIMMER COMPATIBILITY FLAT DIM

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				
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				
Brand	Model	Voltage range	Power	Type
ABB	STD 50-3	230V50Hz	60-500	L
Altenburger Electronic	50.30	230V50Hz	15-350	T
ALPORA	DSP 400	230V50Hz	400	L
Berker	2861	230V50Hz	50-420	U
Bticino	LNN1441N	230V50Hz		
Bticino	LNN1440S	230V50Hz		
Bticino	NT4402N	230V50Hz	500	R
Busch-Jaeger	6513 U-102	230V50Hz	40-420	T
Busch-Jaeger	6523 U-102	230V50Hz	420	T
Busch-Jaeger	2250 U	230V50Hz	60-600	L
Busch-Jaeger	6526 U	230V50Hz		
Busch-Jaeger	2247 U-500	230V50Hz		
CENTURY CONTROL	MULTI DIMMER	230V50Hz	60-600	L
DINUY	RE EL1LE1	230V50Hz	400	LED
ELKO	400GLE	230V50Hz		
ELKO	315GLE	230V50Hz	20-315	T
ELKO	600GLE	230V50Hz	40-600	U
ELKO	420GLEI	230V50Hz	40-420	U

SUPERSTAR PAR16 35 36°		SUPERSTAR PAR16 50 36°		SUPERSTAR PAR16 80 36°		SUPERSTAR PAR16 80 120°	
							
EAN/Basic Code 405283330153/AC01184 405283330157/AC01192		EAN/Basic Code 405283330178/AC01187 405283330195/AC01194		EAN/Basic Code 405283330218/AB41905 405283330232/AB41906		EAN/Basic Code 405807503688/AC03049 405807503692/AC03051	
Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range
1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
2-20	98% - 15%	2-20	97% - 12%	2-20	98% - 16%	2-20	98% - 16%
1-10	98% - 15%	2-10	97% - 1%	1-4	96% - 1%	1-4	96% - 1%
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%
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%
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	98% - 16%	2-14	98% - 16%	1-9	97% - 15%	1-9	97% - 15%
1-13	98% - 34%	1-10	97% - 35%	1-5		1-5	
1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
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%
1-10		1-10		1-4	97% - 1%	1-4	97% - 1%
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%
1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%

Information about the LEDVANCE lamp type

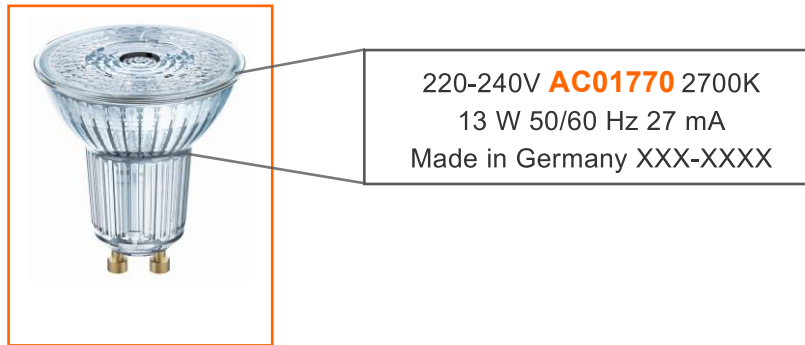
Assessment of the results into categories. Includes the number of lamps and the related dimming range

DIMMER COMPATIBILITY FLAT DIM

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.



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								
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								
Brand	Model	Voltage range	Power	Type				
ABB	STD 50-3	230V50Hz	60-500	L				
Altenburger Electronic	50.30	230V50Hz	15-350	T				
ALPORA	DSP 400	230V50Hz	400	L				
Berker	2861	230V50Hz	50-420	U				
Bticino	LANNT4411N	230V50Hz						
Bticino	LANNT4408	230V50Hz						
Bticino	NT4402N	230V50Hz	500	R				
Busch-Jaeger	6513 U-102	230V50Hz	40-420	T				
Busch-Jaeger	6523 U-102	230V50Hz	420	T				
Busch-Jaeger	2250 U	230V50Hz	60-600	L				
Busch-Jaeger	6526 U	230V50Hz						
Busch-Jaeger	2247 U-500	230V50Hz						
CENTURY CONTROL	MULTI DIMMER	230V50Hz	60-600	L				
DINUY	RE EL1LE1	230V50Hz	400	LED				
ELKO	400GLI	230V50Hz						
ELKO	316GLE	230V50Hz	20-315	T				
ELKO	600GLI	230V50Hz	40-600	U				
ELKO	420GLEI	230V50Hz	40-420	U				

Angaben zum LEDVANCE Lampentyp

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

DIMMER COMPATIBILITY FLAT DIM

Legend						SUPERSTAR CL A 60 Frosted	
	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 tested						
						409984356506 / 409822	
						/	
Dimmer						Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type			
Ledvance	MCU Select Dim	230V / 50Hz	3-400	T	100% 0%	100% 0%	
Ledvance	MCU Select Dim Exc	230V / 50Hz	3-400	T	100% 0%	100% 0%	
Ledvance	PCU Flush Mount DALI	230V / 50Hz	3-400	T	100% 0%	100% 0%	
bticino	HD4411	230V / 50Hz	3-400	L	85% 0%	81% 0%	
bticino	K4411C	230V / 50Hz	0-150	L/T			
bticino	K4418	230V / 50Hz	0-150	L/T	100% 2%	100% 1%	
bticino	L4402N	230V / 50Hz	0-60	L/T	74% 0%	66% 1%	
bticino	L4418	230V / 50Hz	0-150	L/T	100% 2%	100% 2%	
bticino	NT4402N	230V / 50Hz	0-500	L	50% 4%	50% 8%	
bticino	RW4411	230V / 50Hz	3-400	L	71% 0%	71% 0%	
Busch-Jaeger	2250 U	230V / 50Hz	60-600	L	46% 0%	80% 0%	
Busch-Jaeger	64851U	230V / 50Hz	3-240	L/T	100% 0%	100% 0%	
Busch-Jaeger	6513U-102	230V / 50Hz	40-420	T	100% 0%	100% 0%	
Busch-Jaeger	6523U-102	230V / 50Hz	2-100	L	88% 0%	73% 0%	
Delta Dore	Tyxla 4860	230V / 50Hz 70devices, 40m		L/T	100% 0%	80% 0%	
deta	SP0081	230V / 50Hz	3-250	T	85% 0%	71% 0%	
DimMax	420SL	230V / 50Hz	0-200	L/T	100% 18%	100% 17%	
DINUY	RE PLA LEO	230V / 50Hz	4-200	T			
DINUY	RE PLA LE1	230V / 50Hz	4-350	L/T	100% 0%	100% 0%	
Eco Dim	EcoDim.02 Pro	230V / 50Hz	0-250	L/T	100% 0%	100% 0%	
Eco Dim	EcoDim.04 Pro	230V / 50Hz	0-200	T	100% 0%	100% 0%	
Eco Dim	EcoDim.07 ZigBee Pro	230V / 50Hz	0-250	L/T	100% 0%	100% 0%	
EHMANN	T24.08	230V / 50Hz	5-150	L	78% 0%	73% 5%	
EHMANN	T29.08	230V / 50Hz	5-100	L	77% 0%	74% 0%	
Eltako	EUD61NPN-UC	230V / 50Hz	5-400	L/T	100% 0%	100% 0%	
Feller	40200 LED	230V / 50Hz	20-525	T	92% 0%	100% 0%	
Feller	40300.RC.FM.61	230V / 50Hz	20-315	T	100% 0%	100% 0%	
Feller	40600.RLC	230V / 50Hz	20-600	L/T	83% 0%	#VALUE!	
Feller	L40200 LED FB	230V / 50Hz	2-200	L/T	100% 0%	100% 0%	
Feller	40600.RL	230V / 50Hz	40-600	L	92% 0%	101% 0%	
FINDER	15.21.8.230.0200	230V / 50Hz	0-200	L/T	100% 0%	100% 0%	
FINDER	15.21.8.230.B300	230V / 50Hz	0-300	L/T	100% 0%	100% 0%	
FINDER	15.81.8.230.0500	230V / 50Hz	0-500	T	100% 0%	100% 0%	
Gira	217400	230V / 50Hz	0-250	T	94% 18%	100% 0%	
Gira	226200	230V / 50Hz	20-500	L	91% 0%	92% 0%	
Gira	245000	230V / 50Hz	20-210	L/T	88% 0%	88% 0%	
Gira	245500	230V / 50Hz	20-420	L/T	89% 0%	92% 0%	

Hager	EVN011 300W 45°C	230V / 50Hz	0-300	T	100% 0%	100% 0%
Hager	WUD87	230V / 50Hz	0-400	T	99% 0%	100% 0%
Ion	ID200W-MKII	230V / 50Hz	0-200	T	100% 0%	100% 0%
Ion	Industries LED Dimmer 0,3-350 Watt	230V / 50Hz	0-350	T	100% 0%	100% 0%
Ion	Industries LED Dimmer 200 Watt	230V / 50Hz	0-200	T	92% 0%	93% 0%
JUNG	1711DE	230V / 50Hz	20-420	L/T	100% 0%	100% 0%
JUNG	1724 DM	230V / 50Hz	20-210	L/T	100% 0%	100% 0%
JUNG	1731 DD	230V / 50Hz	20-420	L/T	100% 0%	100% 0%
JUNG	UD 1755 REG	230V / 50Hz	20-421	L/T	100% 0%	100% 0%
Jung/Gira	225 NVDE	230V / 50Hz	20-500	L	91% 8%	92% 0%
Legrand	281084	230V / 50Hz	0-500	L	100% 0%	100% 0%
Legrand	078407A	230V / 50Hz	3-125	L/T	77% 2%	65% 2%
Legrand	079207A	230V / 50Hz	3-125	L/T	85% 2%	68% 2%
Legrand	CM0060/ 067083A	230V / 50Hz	3-125	T	100% 0%	92% 2%
Legrand	CM0064/ 067086A	230V / 50Hz	0-150	T	100% 4%	100% 4%
Lunatone	86458619	230V / 50Hz	0-25	L/T	100% 0%	100% 0%
Lunatone	86458619-25U	230V / 50Hz	0-25	L/T	100% 0%	100% 0%
Lunatone	86458619-300	230V / 50Hz	0-300	T	100% 0%	100% 0%
Lunatone	86458619-300U	230V / 50Hz	0-300	L/T	100% 0%	100% 0%
Lunatone	86458619-300U-HS	230V / 50Hz	0-300	L/T	100% 0%	100% 0%
Merten	MEG 5131-0000	230V / 50Hz	40-400	L	88% 0%	88% 0%
Merten	MEG 5133-0000	230V / 50Hz	40-600	L	92% 0%	101% 0%
Merten	MEG 5134-0000	230V / 50Hz	20-525	T	92% 0%	100% 0%
Merten	MEG 5135-0000	230V / 50Hz	60-1000	L	100% 0%	100% 0%
Merten	MEG 5136-0000	230V / 50Hz	20-315	T	100% 0%	100% 0%
Merten	MEG 5139-0000	230V / 50Hz	20-600	L/T	83% 0%	#VALUE!
Merten	MEG 5140-0000	230V / 50Hz	9-100	L	92% 0%	87% 0%
Merten	MEG 5170-0300	230V / 50Hz	10-200	T	100% 0%	100% 0%
Merten	MEG 5300-0001	230V / 50Hz	2-200	L/T	100% 0%	100% 0%
NIKO	310-01900 / 0190x	230V / 50Hz	5-325	L/T	100% 0%	100% 0%
Osram	Hi! DALI 315 DIM	230V / 50Hz	20-315	T	100% 0%	100% 0%
Plejd	DIM-01	230V / 50Hz	0-300	T	100% 0%	100% 0%
Plejd	DIM-02	230V / 50Hz	0-200	T	100% 0%	100% 0%
Plejd	RTR-01-SW	230V / 50Hz	0-200	T	100% 0%	100% 0%
RVE	RV LED 250	230V / 50Hz	0-250	T	100% 0%	100% 0%
Schalik	ETD 2E	230V / 50Hz	0-500	L/T	100% 0%	100% 0%
Schalik	ETD U29	230V / 50Hz	0-500	L/T	100% 0%	100% 0%
Schneider	SBD200LED	230V / 50Hz	20-525	T	92% 0%	100% 0%
Schneider	SBD315RC	230V / 50Hz	20-315	T	100% 0%	100% 0%
Schneider	SBD400RL	230V / 50Hz	40-400	L	88% 0%	88% 0%
Schneider	SBD600RCRL	230V / 50Hz	20-600	L/T	83% 0%	#VALUE!
Schneider	SBD600RL	230V / 50Hz	40-600	L	92% 0%	101% 0%
Schneider	SBDSP1	230V / 50Hz	9-100	L	92% 0%	87% 0%
Schneider/Odace	S5-20619 SBDLED-RC	230V / 50Hz	3-200	T	100% 0%	100% 0%
Scolmore	MD9014	230V / 50Hz	5-100	L/T	88% 0%	88% 0%
Siemens	5TC8 284	230V / 50Hz	20-525	T	88% 23%	100% 0%
Somfy	IZYMO Dimmer	230V / 50Hz	0-150	T	100% 0%	100% 0%
Sunricher	SR-2303SAC-HP	230V / 50Hz	0-400	T	100% 0%	100% 0%
theben	DIMAX 534 plus	230V / 50Hz	0-250	T	100% 0%	100% 0%

theben	DIMAX 544 plus P	230V / 50Hz	0-400	T	92%-0%	100%-0%
VARILIGHT	HQ3W	230V / 50Hz	0-400	L	49%-0%	56%-0%
VARILIGHT	JQP401W	230V / 50Hz	0-400	T	92%-0%	93%-0%
VARILIGHT	MJP120	230V / 50Hz	0-120	L/T	62%-0%	62%-0%
Yokis	MTV500E 5454052	230V / 50Hz	5-250	T	100%-0%	100%-0%
Yokis	MTV500M 5454062	230V / 50Hz	5-250	T	100%-0%	100%-0%
ZANO	ZMC150	230V / 50Hz	0-150	T	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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