

SUPERSTAR® MR16 / PAR16 DIMMER COMPATIBILITY

BASIC INFORMATION:

1. HOW MANY LAMPS CAN I INSTALL ON ONE DIMMER?

For max. number of lamps on a dimmer, please use the following rule of thumb:
(Please note: actual number may vary from calculated result)

$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

2. 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...

Example for the product code
on the stamp of the lamp:

220-240V · AA68602 · 4000K
6W · 50/60Hz · 27mA
Made in Germany XXX-XXXX



3. HOW CAN I READ THE FOLLOWING CHARTS?

PARATHOM® CLASSIC ADVANCED Dimmer Compatibility

Legend:
Information about the dimmability of the lamps. Green means very good dimmability habits, red means partial critical dimmability habits.

Dimmability traffic light system:	Type	PARATHOM CLASSIC A40 ADV	PARATHOM CLASSIC A60 ADV	PARATHOM CLASSIC A75 ADV	PARATHOM CLASSIC B25 ADV	PARATHOM CLASSIC B40 ADV	PARATHOM CLASSIC P25 ADV	PARATHOM CLASSIC P40 ADV
Green very good dimmability habits (Dimming range ≥ 75%)	Product Picture							
Yellow good dimmability habits (Dimming range ≥ 60%)	EAN	405289924437	405289911208	405289924499	4008321979230	05289911413	4008321980373	405289911451
Red partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range < 60%)	Product Code	AA68604	AA66582	AA752280	AA69411	AA68531	AA68413	AA68534
White not tested	EAN	405289924444	4052899113820		4008321994035	405289911437	4008321982352	405289911475
	Product Code	AA68603	AA66584		AA69412	AA68550	AA69414	AA68535
	EAN	405289924451	405289924482				405289911444	405289911918
	Product Code	AA68602	AA66583				AA69415	AA68536
	EAN						405289911468	405289911925
	Product Code						AA68537	

Information about the OSRAM lamp type

Number of lamps tested on dimmer

Dimmer	Brand	Model	Voltage	Power	Type	PARATHOM CLASSIC A40 ADV		PARATHOM CLASSIC A60 ADV		PARATHOM CLASSIC A75 ADV		PARATHOM CLASSIC B25 ADV		PARATHOM CLASSIC B40 ADV		PARATHOM CLASSIC P25 ADV		PARATHOM CLASSIC P40 ADV	
						Lamps on dimmer: 1 4	Number of Lamps on dimmer: 1 4	Lamps on dimmer: 1 4	Number of Lamps on dimmer: 1 4	Lamps on dimmer: 1 4	Number of Lamps on dimmer: 1 4	Lamps on dimmer: 1 5	Number of Lamps on dimmer: 1 4	Lamps on dimmer: 1 4	Number of Lamps on dimmer: 1 4				
ABB STD 50-3			230V/50Hz	60-500	L	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
Berker 2874			230V/50Hz	20-525	T	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
Berker 281902			230V/50Hz	60-400	L	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
Busch-Jaeeger 2247U			230V/50Hz	20-500	L	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
Busch-Jaeeger 6523 U			230V/50Hz	2-100	LED L	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
Busch-Jaeeger 6513 U-102			230V/50Hz	40-420	T	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
Busch-Jaeeger 6517 U-101			230V/50Hz	60-400	L	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
Ehmann 4660c0026			230V/50Hz	20-315	T	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
ELKO 319GLE			230V/50Hz	23-315	T	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
ELKO 420GLE/II			230V/50Hz	20-420	T	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
ELKO 600GLI			230V/50Hz	40-600	L	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
ELKO 630GLE			230V/50Hz	20-630	T	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4
ELSO 174200			230V/50Hz	40-315	T	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4	Green	4

List of dimmers being tested in the laboratory

Test results of dimmability according to the traffic light system

Example: Dimmer ABB STD 50-3 shows very good dimmability habits for one PARATHOM CLASSIC A60 ADV lamp.

BASISINFORMATIONEN:

1. WIE VIELE LAMPEN KANN ICH AN EINEN DIMMER ANSCHLIESSEN?

Die maximale Anzahl an Lampen, die Sie an einen Dimmer anschließen können, ergibt sich aus der folgenden Faustregel:

$$\frac{\text{max. Leistungsabgabe des Dimmers}}{\text{äquivalente Lampenleistung (HAL/GLS)}} = \text{max. Anzahl der Lampen}$$

(Beachten Sie, dass die tatsächliche Anzahl von dem errechneten Ergebnis abweichen kann.)

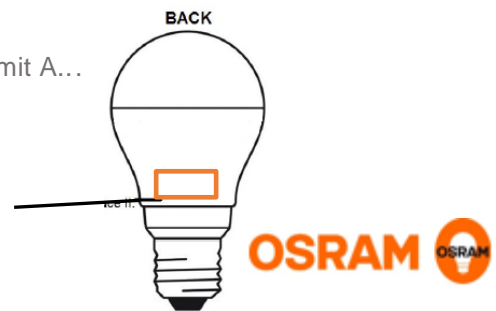
2. WAS IST DER PRODUKTCODE UND WO FINDE ICH IHN?

Der Produktcode beschreibt den Lampentyp.

Er besteht aus sieben Buchstaben und Ziffern und beginnt mit A...

Beispiel eines Produktcodes auf dem Aufdruck der Lampe:

220-240V · **AA68602** · 4000K
6W · 50/60Hz · 27mA
Made in Germany XXX-XXXX



3. WIE LESE ICH DIE FOLGENDEN TABELLEN?

PARATHOM® CLASSIC ADVANCED Dimmer Compatibility

Type	PARATHOM CLASSIC A40 ADV	PARATHOM CLASSIC A60 ADV	PARATHOM CLASSIC A75 ADV	PARATHOM CLASSIC B25 ADV	PARATHOM CLASSIC B40 ADV	PARATHOM CLASSIC P25 ADV	PARATHOM CLASSIC P40 ADV
Product Picture							
EAN	405289924437	405289911208	405289924499	4008321979230	05289911413	4008321980373	405289911451
Product Code	AA68604	AA66582	AA752280	AA69411	AA68531	AA69413	AA68534
EAN	405289924444	4052899113820		4008321994035	405289911437	4008321992352	405289911475
Product Code	AA68603	AA66594		AA69412	AA68550	AA69414	AA68535
EAN	405289924451	405289924482				405289911444	405289911918
Product Code	AA68602	AA66593				AA69415	AA68536
EAN						405289911469	405289911925
Product Code						AA69416	AA68537

Legende:
Angaben zur Dimmbarkeit der Lampen – grün bedeutet sehr gute Eigenschaften, rot bedeutet teilweise kritische Dimmeigenschaften

Dimmer	Number of Lamps on dimmer: 1 1 4	Number of Lamps on dimmer: 1 1 4	Number of Lamps on dimmer: 1 1 4	Number of Lamps on dimmer: 1 1 4	Number of Lamps on dimmer: 1 1 5	Number of Lamps on dimmer: 1 1 4	Number of Lamps on dimmer: 1 1 4
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Brand	Model	Voltage range	Power	Type	1	1	4	1	1	4	1	1	5	1	1	4
ABB	STD 50-3	230V/50Hz	60-500	L												
Berker	2874	230V/50Hz	20-525	T												
Berker	281902	230V/50Hz	60-400	L												
Busch-Jaeger	2247U	230V/50Hz	20-500	L												
Busch-Jaeger	6523 U	230V/50Hz	2-100	LED L												
Busch-Jaeger	6513 U-102	230V/50Hz	40-420	T												
Busch-Jaeger	6517 U-101	230V/50Hz	60-400	L												
Ehmann	4660-0026	230V/50Hz	20-315	T												
ELKO	315GLE	230V/50Hz	23-315	T												
ELKO	420GLE/I	230V/50Hz	20-420	T												
ELKO	600GLI	230V/50Hz	40-600	L												
ELKO	630GLE	230V/50Hz	20-630	T												
ELSO	174200 (ATD300R)	230V/50Hz	40-315	T												

Liste der getesteten Dimmer

Angaben zum OSRAM-Lampentyp

Anzahl der an einem Dimmer getesteten Lampen

Ergebnisse des Dimmbarkeitstests an der Lichtsignalanlage

Dimmability traffic light system:

- Green very good dimmability habits (Dimming range $\geq 75\%$)
- Yellow good dimmability habits (Dimming range $\geq 60\%$)
- Red partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range $< 60\%$)
- White not tested

Lamp

Type	SUPERSTAR MR16 20	SUPERSTAR MR16 35	SUPERSTAR MR16 50	SUPERSTAR PAR16 35	SUPERSTAR PAR16 50	SUPERSTAR PAR16 80
Product Picture						
EAN	4052899390034	4052899390072	4052899389991	4052899390133	4052899390171	4052899390218
Product Code	AB39673	AB39669	AB39672	AB41899	AB41902	AB41905
EAN	4052899390058	4052899390096	4052899390119	4052899390157	4052899390195	4052899390232
Product Code	AB41843	AB41846	AB41845	AB41900	AB41904	AB41906
EAN					4008321882714	
Product Code					AB30665	







Dimmer

Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer:				Number of Lamps on dimmer:				Number of Lamps on dimmer:				Number of Lamps on dimmer:				Number of Lamps on dimmer:			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Busch-Jaeger	6513U-102	230/ 50Hz	40-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Busch-Jaeger	6523U-LED	230/ 50Hz	2-100	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ELKO	315GLE	230/ 50Hz	20-315	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Gira	030700	230/ 50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Jung	225 NVDE	230/ 50Hz	20-500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	665114	230/ 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Osram	Hti DALI 315 D	230/ 50Hz	20-315	DALI T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Schneider	ELKO 400GLI	230/ 50Hz	400	/	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Siemens	5TC8 284	230/ 50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ABB	STD 50-3	230/ 50Hz	60-500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Altenburger Electronic	50.30	230/ 50Hz	15-350	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
AURORA(Core No.9)	DSP 400	230/ 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Berker	2861	230/ 50Hz	50-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
bticino	NT4402N	230/ 50Hz	500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Busch-Jaeger	2250 U	230/ 50Hz	60-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Busch-Jaeger	6591UJGL-101	230/ 50Hz	40-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
CENTURY CONTROL	MULTI DIMME	230/ 50Hz	60-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
DINUY	RE EL1 LE1	230/ 50Hz	400	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ELKO	420GLE/I	230/ 50Hz	40-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ELKO	600GLI	230/ 50Hz	40-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ELKO	630GLE	230/ 50Hz	20-630	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Etako	EJD61NPN-UC	230/ 50Hz	5-400	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Feller	40600 RLC	230/ 50Hz	20-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Gira	030500	230/ 50Hz	50-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Gira	117600	230/ 50Hz	50-420	U	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Gira	217400	230/ 50Hz	4X20-250	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Hager	WUD87	230/ 50Hz	400	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Hamilton	KP1X40	230/ 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Jung	225 TDE	230/ 50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	

Dimmability traffic light system:

- Green very good dimmability habits (Dimming range \geq 75%)
- Yellow good dimmability habits (Dimming range \geq 60%)
- Red partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range $<$ 60%)
- White not tested

Lamp

Type	SUPERSTAR MR16 20	SUPERSTAR MR16 35	SUPERSTAR MR16 50	SUPERSTAR PAR16 35	SUPERSTAR PAR16 50	SUPERSTAR PAR16 80
Product Picture						
EAN	4052899390034	4052899390072	4052899389991	4052899390133	4052899390171	4052899390218
Product Code	AB39673	AB39669	AB39672	AB41899	AB41902	AB41905
EAN	4052899390058	4052899390096	4052899390119	4052899390157	4052899390195	4052899390232
Product Code	AB41843	AB41846	AB41845	AB41900	AB41904	AB41906
EAN					4008321882714	
Product Code					AB30665	

Dimmer					Number of Lamps on dimmer:				Number of Lamps on dimmer:				Number of Lamps on dimmer:				Number of Lamps on dimmer:				Number of Lamps on dimmer:				Number of Lamps on dimmer:			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Legrand	078405	230/ 50Hz	600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	099314	230/ 50Hz	300	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	281080	230/ 50Hz	500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	281084	230/ 50Hz	500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	617030	230/ 50Hz	600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	617031	230/ 50Hz	1000	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	770061	230/ 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Legrand	770062	230/ 50Hz	400	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
MASTER	DM-2500	230/ 50Hz	2500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
MASTER	DM-DGL	230/ 50Hz	1000	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Merten	MEG 5131	230/ 50Hz	40-400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Merten	MEG 5135	230/ 50Hz	60-1000	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Merten	MEG 5140	230/ 50Hz	9-100	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Merten	MEG 5170-0300	230/ 50Hz	10-200	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
MK	K4501	230/ 50Hz	180	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
NEXUS	881P-01	230/ 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
NIKO	310-01900 / 01901	230/ 50Hz	5-200	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
NIKO	330-00700 / 00701	230/ 50Hz	5-200	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Osram	HTi DALI DIM	105/ 230-240	230/ 50Hz	35-105	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
PEHA	435 HAN	230/ 50Hz	60-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Shuttle	SDIM-T-LED-500W	230/ 50Hz	2-500	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Siemens	5WG1-527-1AB31	230/ 50Hz	20-500	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
VADSBO	LD 220	230/ 50Hz	1-200	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
VARI LIGHT HQ3W		230/ 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
VARI LIGHT JQP401W		230/ 50Hz	400	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
Vimar	20135	230/ 50Hz	3 - 100	L/T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ZANO	WH251	230/ 50Hz	250	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ZANO	WH401	230/ 50Hz	400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ZANO	Z GRID 500	230/ 50Hz	500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
ZANO	Z GRID 700	230/ 50Hz	250	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	

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