

PARATHOM® CLASSIC ADVANCED 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)

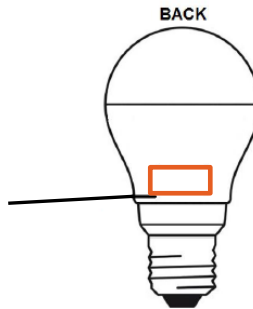
$$\frac{\text{Max load of dimmer equivalent wattage (HAL/GLS)}}{= \text{max. number of lamps}}$$

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?

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

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Dimmability traffic light system:	Color	Description
Green	very good dimmability habits (Dimming range ≥ 75%)	
Yellow	good dimmability habits (Dimming range ≥ 60%)	
Red	partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range < 60%)	
White	not tested	

Type	PARATHOM CLASSIC A40 ADV	PARATHOM CLASSIC A60 ADV	PARATHOM CLASSIC A75 ADV	PARATHOM CLASSIC E25 ADV	PARATHOM CLASSIC E40 ADV	PARATHOM CLASSIC P25 ADV	PARATHOM CLASSIC P40 ADV
Product Picture							
EAN	4052899924437	4052899911208	4052899924499	4008321979230	052899911413	4008321980373	4052899911451
Product Code	AA68604	AA66582	AA752230	AA69411	AA68531	AA69413	AA68534
EAN	4052899924444	4052899913820		4008321994035	4052899911437	4008321992352	4052899911475
Product Code	AA68603	AA66584		AA69412	AA68550	AA69414	AA68535
EAN	4052899924451	4052899924482				4052899911444	4052899911918
Product Code	AA68602	AA66593				AA69415	AA68536
EAN						4052899911468	4052899911925
Product Code						AA68416	AA68537

Information about the OSRAM lamp type

Number of lamps tested on dimmer

Dimmer	Number of Lamps on dimmer: 1 4		Number of Lamps on dimmer: 1 4		Number of Lamps on dimmer: 1 4		Number of Lamps on dimmer: 1 4		Number of Lamps on dimmer: 1 5		Number of Lamps on dimmer: 1 4		Number of Lamps on dimmer: 1 4	
	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps
ABB STD 50-3	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Berker 2874	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Berker 281902	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 2247U	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 6523 U	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 6513 U-102	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger 6517 U-101	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Ehmann 4660c0026	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO 316GLE	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO 420GLE/I	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO 600GLI	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO 630GLE	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELSO 174200 (ATD300P)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

Test results of dimmability according to the traffic light system

List of dimmers being tested in the laboratory

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

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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

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	4052899924437	4052899911208	4052899924499	4008321979230	052899911413	4008321980373	4052899911451
Product Code	AA68604	AA66582	AA75228	AA69411	AA68531	AA69413	AA68534
EAN	4052899924444	4052899913820		4008321994035	4052899911437	4008321992352	4052899911475
Product Code	AA68603	AA66584		AA69412	AA68550	AA69414	AA68535
EAN	4052899924451	4052899924482				4052899911444	4052899911918
Product Code	AA68602	AA66583				AA69415	AA68536
EAN						4052899911468	4052899911925
Product Code						AA69416	AA68537

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:		Number of Lamps on dimmer:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	5 Lamps	1 Lamp	4 Lamps
ABB	STD 50-3	230V/50Hz	60-500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Berker	2874	230V/50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Berker	281902	230V/50Hz	60-400	L	Green	Green	Yellow	Green	Yellow	Green	Red	Green	Yellow	Green	Red	Green
Busch-Jaeger	2247U	230V/50Hz	20-500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger	6523 U	230V/50Hz	2-100	LED-L	Green	Green	Red	Green	Green	Green	Yellow	Green	Yellow	Green	Yellow	Green
Busch-Jaeger	6513 U-102	230V/50Hz	40-420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Busch-Jaeger	6517 U-101	230V/50Hz	60-400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Ehmann	4660c0026	230V/50Hz	20-315	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	315GLE	230V/50Hz	23-315	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	420GLE/I	230V/50Hz	20-420	T	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	600GLI	230V/50Hz	40-600	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELKO	630GLE	230V/50Hz	20-630	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ELSO	174200 (ATD300R)	230V/50Hz	40-315	T	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
EVERFLOURISH	EF0700DC	230V/50Hz	20-300	T	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
EVERFLOURISH	EFM700DB	230V/50Hz	50-300	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Gira	0300 00	230V/50Hz	60-400	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Gira	030700	230V/50Hz	20-525	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Gira	117600	230V/50Hz	50-420	U	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hamilton	KP1X40	230V/50Hz	400		Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Jung	225 NVDE	230V/50Hz	20-500	L	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Kopp	80.33	230V/50Hz	20-275	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Legrand	775903	230V/50Hz	420	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
LUMEX Loadsmart	LT1D450LS Series	230V/50Hz	450		Red	Green	Yellow	Green	Red	Green	Yellow	Green	Red	Green	Yellow	Green
Merten	5771-99	230V/50Hz	20-315	T	Red	Green	Green	Green	Red	Green	Yellow	Green	Red	Green	Yellow	Green
Merten	5725-99	230V/50Hz	20-500	L	Red	Green	Green	Green	Red	Green	Yellow	Green	Red	Green	Yellow	Green
OSRAM	HTI DALI 315 DIM	230V/50Hz	20-315	DALI-T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PEHA	D 80.433 V	230V/50Hz	60-600	L	Red	Green	Green	Green	Red	Green	Yellow	Green	Red	Green	Yellow	Green
PEHA	433 HAB	230V/50Hz	20-315	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Schneider	40300 RC	230V/50Hz	20-300	T	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Schneider	40600 RL	230V/50Hz	40-600	L	Green	Green	Red	Green	Green	Green	Red	Green	Green	Green	Red	Green
Schneider	ATD315	230V/50Hz	10-315	T	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Schneider	400GLI	230V/50Hz			Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Schneider	STD400T RC/RL	230V/50Hz	20-400	U	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Siemens	5TC8 284	230V/50Hz	20-525	T	Red	Green	Green	Green	Red	Green	Yellow	Green	Red	Green	Yellow	Green
Siemens	5TC8 256	230V/50Hz	50-400	L	Yellow	Green	Green	Green	Yellow	Green	Red	Green	Yellow	Green	Red	Green

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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.