

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)

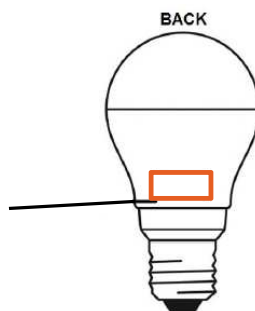
$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

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?

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

PARATHOM® CLASSIC ADVANCED Dimmer Compatibility

Dimmability traffic light system:	Type	PARATHOM CLASSIC A60 ADV	PARATHOM CLASSIC A80 ADV	PARATHOM CLASSIC A75 ADV	PARATHOM CLASSIC B25 ADV	PARATHOM CLASSIC B40 ADV	PARATHOM CLASSIC P25 ADV	PARATHOM CLASSIC P40 ADV
 very good dimmability habits (Dimming range ≥ 75%)	Product Picture							
 good dimmability habits (Dimming range ≥ 60%)	EAN	4052899924437	4052899911208	4052899924499	4008321979230	052899911413	4008321980373	4052899911451
 partial critical dimmability habits (Flickering or acoustic noises may occur) (Dimming range < 60%)	Product Code	AA68604	AA68602	AA752280	AA68411	AA68531	AA68413	AA68534
 not tested	EAN	4052899924444	4052899913820		4008321994035	4052899911437	4008321982302	4052899911475
	Product Code	AA68603	AA68604		AA68412	AA68550	AA68414	AA68535
	EAN	4052899924451	4052899924482				4052899911444	4052899911518
	Product Code	AA68602	AA68605				AA68415	AA68536
	EAN						4052899911468	4052899911525
	Product Code						AA68416	AA68537

Information about the OSRAM lamp type

Number of lamps tested on dimmer

Test results of dimmability according to the traffic light system

List of dimmers being tested in the laboratory

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	
Brand	Model	Voltage range	Power	Type	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps	Lamp	Lamps	Lamp
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											
Busch-Jaeger	6513 U-102	230V/50Hz	40-420	T											
Busch-Jaeger	6517 U-101	230V/50Hz	60-400	L											
Ehmann	4660c026	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	230V/50Hz	40-315	T											
	(A70800B)														

Example:

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

PARATHOM® CLASSIC ADVANCED Dimmer Compatibility

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	4052899299184	4052899299221	4052899319011	4008321979230	052899911413	4008321980373	4052899911451
Product Code	AA78532	AA78538	AA78545	AA69411	AA68531	AA69413	AA68534
EAN	4052899299160	4052899299207	4052899299269	4008321994035	4052899911437	4008321992352	4052899911475
Product Code	AA78531	AA78539	AA78544	AA69412	AA68550	AA69414	AA68535
EAN	4052899299146	4052899299245				4052899911444	4052899911918
Product Code	AA78533	AA78537				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:		Number of Lamps on dimmer:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T														
Busch-Jaeger	6523 U	230/50Hz	2-100	LED-L														
AURORA	DSP400	230V / 50Hz	400	T														
Legrand	665114	230V/50Hz	400	L														
Jung	225 NVDE	240V/50Hz	20-500	L														
Siemens	5TC8 284	240V/50Hz	20-525	T														
Gira	117600	240V/50Hz	50-420	U														
ELKO	315GLE	240V/50Hz	20-315	T														
Schneider	STD400T	230/50Hz	400	U														
Osram	HTi DALI 315 DIM	240V/50Hz	20-315	DALI-T														
ABB	STD50-3	230V / 50Hz	60-500	L														
Altenburger Ele	50,3	230V / 50Hz	15-350	T														
Berker	2561	230V / 50Hz	50-420	T														
bticino	NT4402N	230V / 50Hz	500	L														
Busch-Jaeger	2250U	230V / 50Hz	60-600	L														
Bush-laeger	6591ujc GL-10	230V / 50Hz	40-420	T														
CENTURY CONTROL	MULTI DIMMER	230V / 50Hz	60-600	L														
DINUY	RE ELIELI	230V / 50Hz	400	L/T														
Hugo Müller	Paladin 872110 led	230V / 50Hz	400	L/T														
ELKO	420GLE/I	230V / 50Hz	40-420	L														
ELKO	600GLI	230V / 50Hz	40-600	L														
ELKO	630GLE	230V / 50Hz	20-630	T														
Eltako	EUD61NPN-UC	230V / 50Hz	5-400	L/T														
Feller	40600RLC	230V / 50Hz	20-600	L														
Gira	30500	230V / 50Hz	50-42	T														
Gira	217400	230V / 50Hz	4X20-250	T														
Gira	30700	230V / 50Hz	20-525	T														
Hager	WUD87	230V / 50Hz	400	T														
Hamilton	kplx40	230V / 50Hz	400	L														
Jung	225TDE	230V / 50Hz	20-525	T														
Legrand	99314	230V / 50Hz	300	L														

4 Lamps Test Results follow

PARATHOM® CLASSIC ADVANCED Dimmer Compatibility

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	4052899299184	4052899299221	4052899319011	4008321979230	052899911413	4008321980373	4052899911451
Product Code	AA78532	AA78538	AA78545	AA69411	AA68531	AA69413	AA68534
EAN	4052899299160	4052899299207	4052899299269	4008321994035	4052899911437	4008321992352	4052899911475
Product Code	AA78531	AA78539	AA78544	AA69412	AA68550	AA69414	AA68535
EAN	4052899299146	4052899299245				4052899911444	4052899911918
Product Code	AA78533	AA78537				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:		Number of Lamps on dimmer:	
					1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps	1 Lamp	4 Lamps
Legrand	281004	230V / 50Hz	500	L														
Legrand	281060	230V / 50Hz	500	L														
Legrand	617030	230V / 50Hz	600	L														
Legrand	617031	230V / 50Hz	1000	L														
Legrand	770061	230V / 50Hz	400	L														
Legrand	770062	230V / 50Hz	400	T														
Legrand	078405	230V / 50Hz	600	L														
LKO	420GLE/I	230V / 50Hz	40-420	T														
MASTER	DM-2500	230V / 50Hz	2500	L														
MASTER	DM-DGL	230V / 50Hz	1000	L														
Merten	MEG5131	230V / 50Hz	40-400	L														
Merten	MEG5135	230V / 50Hz	60-1000	L														
Merten	MEG5140	230V / 50Hz	9-10	L														
Merten	MEG5170-0300	230V / 50Hz	10-200	T														
MK	K4501	230V / 50Hz	180	L														
NEXUS	881P-01	230V / 50Hz	400	L														
NIKO	310-01900/01901	230V / 50Hz	5-200	L/T														
NIKO	330-00700/00701	230V / 50Hz	5-200	L/T														
PEHA	435HAN	230V / 50Hz	60-600	L														
shuttle	SDIM-T-LED-500W	230V / 50Hz	2-500	T														
Siemens	5WG1-527-1AB31	230V / 50Hz	20-500	T														
VADSBO	LD220	230V / 50Hz	1-200	T														
VARILIGHT	HQ3W	230V / 50Hz	400	L														
VARILIGHT	JQP401W	230V / 50Hz	400	T														
Vimar	20135	230V / 50Hz	3-100	L/T														
Werten	MEG5170-030	230V / 50Hz	10-200	T														
ZANO	WH251	230V / 50Hz	250	L														
ZANO	WH401	230V / 50Hz	400	L														
ZANO	Z GRID 500	230V / 50Hz	500	T														
ZANO	Z GRID 700	230V / 50Hz	250	T														

PARATHOM CLASSIC Dimmer Compatibility

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

PARATHOM GLOBE
G95 60

Product Picture



EAN

4052899937840

Product Code

AB32712

Product Code

EAN

Product Code

EAN

Product Code

EAN

Product Code

Dimmer

Number of Lamps on
dimmer:

Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer:	
					1 Lamp	4 Lamps
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T	Red	Green
Busch-Jaeger	6523 U	230/50Hz	2-100	LED-L	Yellow	Yellow
AURORA	DSP400	230V / 50Hz	400	T	Green	Green
Legrand	665114	230V/50Hz	400	L	Green	Green
Jung	225 NVDE	240V/50Hz	20-500	L	Green	Green
Siemens	5TC8 284	240V/50Hz	20-525	T	Green	Red
Gira	117600	240V/50Hz	50-420	U	Green	Green
ELKO	315GLE	240V/50Hz	20-315	T	Green	Green
Schneider	STD400T	230/50Hz	400	U	Green	Green
Osram	HTi DALI 315 DIM	240V/50Hz	20-315	DALI-T	Red	Red
ABB	STD50-3	230V / 50Hz	60-500	L	Green	Yellow
Altenburger Ele	50,3	230V / 50Hz	15-350	T	Red	Green
Berker	2561	230V / 50Hz	50-420	T	Red	Red
bticino	NT4402N	230V / 50Hz	500	L	Green	Red
Busch-Jaeger	2250U	230V / 50Hz	60-600	L	Green	Green
Busch-Jaeger	6591ujc GL-10	230V / 50Hz	40-420	T	Green	Green
CENTURY CONTROL	MULTI DIMMER	230V / 50Hz	60-600	L	Green	Green
DINUY	RE ELIELI	230V / 50Hz	400	L/T	Green	Green
Hugo Müller	Paladin 872110 led	230V / 50Hz	400	L/T	Green	Green
ELKO	600GLI	230V / 50Hz	40-600	L	Green	Green
ELKO	630GLE	230V / 50Hz	20-630	T	Green	Green
Eltako	EUD61NPN-UC	230V / 50Hz	5-400	L/T	Green	Green
Feller	40600RLC	230V / 50Hz	20-600	L	Green	Red
Gira	30500	230V / 50Hz	50-42	T	Green	Green
Gira	217400	230V / 50Hz	4X20-250	T	Green	Red
Gira	30700	230V / 50Hz	20-525	T	Green	Green
Hager	WUD87	230V / 50Hz	400	T	Green	Green
Hamilton	kplx40	230V / 50Hz	400	L	Green	Yellow
Jung	225TDE	230V / 50Hz	20-525	T	Green	Green
Legrand	99314	230V / 50Hz	300	L	Green	Green

PARATHOM CLASSIC Dimmer Compatibility

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

PARATHOM
GLOBE G95 60

Product Picture



EAN

4052899937840

Product Code

AB32712

EAN

Product Code

EAN

Product Code

EAN

Product Code

Dimmer

Number of Lamps on
dimmer:

Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer:	
					1 Lamp	4 Lamps
Legrand	281004	230V / 50Hz	500	L	Green	Red
Legrand	281060	230V / 50Hz	500	L	Green	Yellow
Legrand	617030	230V / 50Hz	600	L	Green	Red
Legrand	617031	230V / 50Hz	1000	L	Green	Yellow
Legrand	770061	230V / 50Hz	400	L	Green	Green
Legrand	770062	230V / 50Hz	400	T	Red	Green
Legrand	078405	230V / 50Hz	600	L	Green	Green
LKO	420GLE/I	230V / 50Hz	40-420	T	Green	Green
MASTER	DM-2500	230V / 50Hz	2500	L	Green	Green
MASTER	DM-DGL	230V / 50Hz	1000	L	Green	Green
Merten	MEG5131	230V / 50Hz	40-400	L	Green	Yellow
Merten	MEG5135	230V / 50Hz	60-1000	L	Green	Green
Merten	MEG5140	230V / 50Hz	9-10	L	Green	Green
MK	K4501	230V / 50Hz	180	L	Green	Green
NEXUS	881P-01	230V / 50Hz	400	L	Green	Green
NIKO	310-01900/01901	230V / 50Hz	5-200	L/T	Green	Green
NIKO	330-00700/00701	230V / 50Hz	5-200	L/T	Green	Green
PEHA	435HAN	230V / 50Hz	60-600	L	Green	Yellow
shuttle	SDIM-T-LED-500W	230V / 50Hz	2-500	T	Green	Green
Siemens	5WG1-527-1AB31	230V / 50Hz	20-500	T	Red	Red
VADSBO	LD220	230V / 50Hz	1-200	T	Red	Red
VARILIGHT	HQ3W	230V / 50Hz	400	L	Green	Green
VARILIGHT	JQP401W	230V / 50Hz	400	T	Green	Yellow
Vimar	20135	230V / 50Hz	3-100	L/T	Green	Green
Werten	MEG5170-030	230V / 50Hz	10-200	T	Green	Green
ZANO	WH251	230V / 50Hz	250	L	Green	Green
ZANO	WH401	230V / 50Hz	400	L	Green	Green
ZANO	Z GRID 500	230V / 50Hz	500	T	Green	Green
ZANO	Z GRID 700	230V / 50Hz	250	T	Green	Green

PARATHOM® CLASSIC ADVANCED

Dimmer Compatibility



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.