

PARATHOM® advanced GlowDim 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)

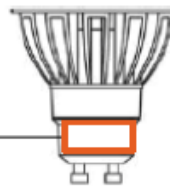
$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

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:

OSRAM
PAR16 20 36° AA44077
110lm · 2700K



3. HOW CAN I READ THE FOLLOWING CHARTS?

PARATHOM® advanced GlowDim Dimmer Compatibility

Dimmability traffic light system:

- very good dimmability habits (Dimming range > 75%)
- good dimmability habits (Dimming range > 65%)
- partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range < 65%)
- not tested

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

Type	PARATHOM advanced CLASSIC A60 GlowDim	PARATHOM advanced CLASSIC R41 GlowDim	PARATHOM advanced MR16 GlowDim	PARATHOM advanced PAR16 GlowDim
Product Picture				
EAN Product Code	4052099943200	4052099943317	4052099930894	4052099930700

Information about the OSRAM lamp type

Number of lamps tested on dimmer

Dimmer	Number of Lamps on dimmer			GlowDim CCT range		Number of Lamps on dimmer			GlowDim CCT range	
	1	4	4	max.	min.	1	4	4	max.	min.
Busch 6513U 102	Green	Green	Green	2750K-1950K	2740K-1950K	Green	Green	Green	2750K-1950K	2740K-1950K
Busch 6623 U	Green	Green	Green	2750K-1950K	2600K-1950K	Green	Green	Green	2750K-1950K	2770K-1970K
Schneider 4003U	Yellow	Yellow	Yellow	2750K-1950K	n/a	Yellow	Yellow	Yellow	2750K-1950K	2740K-1950K
Legrand 66514	Green	Green	Green	2750K-1950K	2740K-1950K	Green	Green	Green	2750K-1950K	2750K-1950K
Jung 225 NYDE	Green	Green	Green	2750K-1950K	n/a	Green	Green	Green	2750K-1950K	2740K-1950K
SIEMENS 5TC824	Green	Green	Green	2750K-1950K	2750K-1950K	Green	Green	Green	2750K-1950K	2740K-1950K
Gira 03070	Green	Green	Green	2750K-1950K	2750K-1950K	Green	Green	Green	2750K-1950K	2730K-1950K
BLKD 315GLE	Green	Green	Green	2750K-1950K	2750K-1950K	Green	Green	Green	2750K-1950K	2750K-1950K
ALROSA DSP 400	Green	Green	Green	2750K-1950K	n/a	Green	Green	Green	2750K-1950K	2740K-1950K
OSRAM 315DIM	Green	Green	Green	2750K-1950K	2760K-1950K	Green	Green	Green	2750K-1950K	2730K-1950K

Light colour range while dimming from maximum to minimum





Test results of dimmability according to the traffic light System and light colour range

List of dimmers being tested in the laboratory

Example: Dimmer OSRAM 315DIM shows very good dimmability habits for one PARATHOM advanced CLASSIC A60 GlowDim lamp.

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 advanced CLASSIC A60 GlowDim	PARATHOM advanced CLASSIC B40 GlowDim	PARATHOM advanced MR16 GlowDim	PARATHOM advanced PAR16 GlowDim							
		Product Picture											
		EAN	4052899943360	4052899943377	4052899938694	4052899938700							
		Product Code	AB38929	AB38930	AB38932	AB38931							
Brand	Model	Voltage range	Power	Type	Number of Lamps on dimmer:		GlowDim CCT range: max - min		Number of Lamps on dimmer:		GlowDim CCT range: max - min		
					1	4	1	4	1	4	1	4	1
Busch	6513U-102	230V/ 50Hz	40-420W	T	Green	Green	2700K – 2000K	Green	Green	2700K – 2000K	Green	Green	2750K – 2250K
Busch	6523 U	230V/ 50Hz	2-100W	L	Green	Green	2700K – 2000K	Yellow	Green	2700K – 2000K	Green	Green	2750K – 2000K
Schneider	400GU	230V/ 50Hz	400W	L	Green	Green	2700K – 2000K	Red	Yellow	2700K – 2000K	Green	Green	2700K – 2000K
Legrand	665114	230V/ 50Hz	400W	L	Green	Green	2700K – 2000K	Yellow	Green	2700K – 2000K	Green	Green	2700K – 1950K
Jung	225 NVDE	230V/ 50Hz	20-500W	L	Green	Green	2700K – 2000K	Red	Yellow	2750K – 2000K	Green	Green	2700K – 1950K
SIEMENS	5TC8284	230V/ 50Hz	20-525W	T	Green	Green	2750K – 2000K	Green	Yellow	2750K – 2400K	Green	Red	2700K – 2400K
Gira	030700	230V/ 50Hz	20-525W	T	Green	Green	2750K – 2000K	Green	Green	2750K – 2000K	Yellow	Green	2700K – 1950K
ELKO	315GLE	230V/ 50Hz	20-315W	T	Green	Green	2700K – 2000K	Green	Green	2700K – 2000K	Green	Green	2700K – 1950K
AURORA	DSP 400	230V/ 51Hz	400	R	Green	Green	2750K – 2000K	Red	Yellow	2700K – 2000K	Green	Green	2700K – 1950K
OSRAM	315DIM	230V/ 50Hz	20-315W	L	Green	Green	2750K – 2000K	Green	Green	2750K – 2000K	Green	Green	2700K – 2000K

CCT dimmability range:

- Green** very good range (≥ 700 Kelvin)
- Yellow** good range (≥ 500 Kelvin)
- Red** critical range (< 500 Kelvin)
- White** no values

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.

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