

# 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)

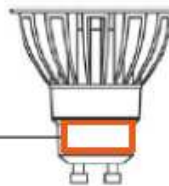
$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

### 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 > 50%)
- partial critical dimmability habits ( Flickering or inaccurate values may occur) (Dimming range < 50%)
- not tested

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

Brand	Model	Voltage	Power	Type	Number of Lamps on dimmer		GlowDim CCT range		Number of Lamps on dimmer		GlowDim CCT range	
					1	4	max.	min.	1	4	max.	min.
Busch	6513U	230V 50Hz	40-420W	T	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
	162				■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
Busch	6623 U	230V 50Hz	2-100W	L	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
					■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
Schneider	4003U	230V 50Hz	400W	L	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
Legrand	66514	230V 50Hz	400W	L	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
Jung	225 NMDE	230V 50Hz	30-500W	L	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
SIEMENS	5TC624	230V 50Hz	25-520W	T	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
Orla	030708	230V 50Hz	30-520W	T	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
BLKD	315GLE	230V 50Hz	20-315W	T	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
ALPORA	DSP 400	230V 51Hz	410-815W	R	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K
OSRAM	315DIM	230V 50Hz	20-315W	L	■	■	2700K - 3000K	1900K - 2400K	■	■	2700K - 3000K	1900K - 2400K

List of dimmers being tested in the laboratory

Information about the OSRAM lamp type

Number of lamps tested on dimmer

Light colour range while dimming from maximum to minimum

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

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

					<b>Dimmer</b>											
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		Number of Lamps on dimmer:		GlowDim CCT range: max - min	
					1	4	1	4	1	4	1	4	1	4	1	4
Busch	6513U-102	230V/ 50Hz	40-420W	T	Green		2700K – 2000K		2700K – 2000K	Yellow		2750K – 2500K	Green		2750K – 2250K	
Busch	6523 U	230V/ 50Hz	2-100W	L	Green		2700K – 2000K	Yellow	2700K – 2000K	Green		2750K – 2000K	Green		2750K – 2000K	
Schneider	400GU	230V/ 50Hz	400W	L	Green		2700K – 2000K	Red	n/a	Yellow		2700K – 2000K	Green		2700K – 2000K	
Legrand	665114	230V/ 50Hz	400W	L	Green		2700K – 2000K	Yellow	2700K – 2000K	Green		2750K – 2000K	Green		2700K – 1950K	
Jung	225 NVDE	230V/ 50Hz	20-500W	L	Green		2700K – 2000K	Red	n/a	Yellow		2750K – 2000K	Green		2700K – 1950K	
SIEMENS	5TC8284	230V/ 50Hz	20-525W	T	Green		2750K – 2000K	Green	2750K – 2000K	Yellow		2750K – 2400K	Green		2700K – 2400K	
Gira	030700	230V/ 50Hz	20-525W	T	Green		2750K – 2000K	Green	2750K – 2000K	Green		2750K – 2000K	Yellow		2700K – 1950K	
ELKO	315GLE	230V/ 50Hz	20-315W	T	Green		2700K – 2000K	Green	2750K – 2000K	Green		2750K – 2000K	Green		2700K – 1950K	
AURORA	DSP 400	230V/ 51Hz	400	R	Green		2750K – 2000K	Red	n/a	Yellow		2700K – 2000K	Green		2700K – 1950K	
OSRAM	315DIM	230V/ 50Hz	20-315W	L	Green		2750K – 2000K	Green	2750K – 2000K	Green		2750K – 2000K	Green		2700K – 2000K	

**CCT dimmability range:**

- Green** very good range ( $\geq 700$  Kelvin)
- Yellow** good range ( $\geq 500$  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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