

Light is OSRAM



## 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)

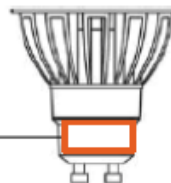
$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

#### 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:**

Green	very good dimmability habits (Dimming range > 75%)
Yellow	good dimmability habits (Dimming range > 50%)
Red	partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range < 50%)
White	not tested

Legend:

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

Yellow

good dimmability habits  
(Dimming range x 60%)

Red

partial critical dimmability habits  
(flickering or acoustical noises  
(very scarce)  
(Dimming range x 50%)

White

not tested

Type

PARATHOM advanced CLASSIC A60 GlowDim

PARATHOM advanced CLASSIC E40 GlowDim

PARATHOM advanced MR16 GlowDim

PARATHOM advanced PAR16 GlowDim

Product Picture

EAN

4052899943200

4052899943317

4052899943094

4052899943070

Product Code

4052899943200

4052899943317

4052899943094

4052899943070

Dimmer

Number of Lamps on dimmer: 1 1 4

GlowDim CCT range: max. min.

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GlowDim CCT range: max. min.

Brand	Model	Voltage range	Power Type				
Busch	6513U	230V 50Hz	40	T			
	102	420W					
Busch	6623 U	230V 50Hz 2-100W	L				
Schneider	4003U	230V 50Hz 400W	L				
Legrand	665114	230V 50Hz 400W	L				
Jung	225 NVD2	230V 50Hz 25-500W	L				
SIEMENS	5TC824	230V 50Hz 25-525W	T				
Gira	63070	230V 50Hz 25-225W	L				
BLKD	315GL5	230V 50Hz 315W	T				
AURORA	DSP 400	230V 51Hz 400	R				
OSRAM	315DIM	230V 50Hz 25-315W	L				

### 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  
  
Product Picture

EAN  
Product Code

PARATHOM advanced CLASSIC A60 GlowDim	PARATHOM advanced CLASSIC B40 GlowDim	PARATHOM advanced MR16 GlowDim	PARATHOM advanced PAR16 GlowDim
			
4052899943360	4052899943377	4052899938694	4052899938700
AB38929	AB38930	AB38932	AB38931

### Dimmer

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