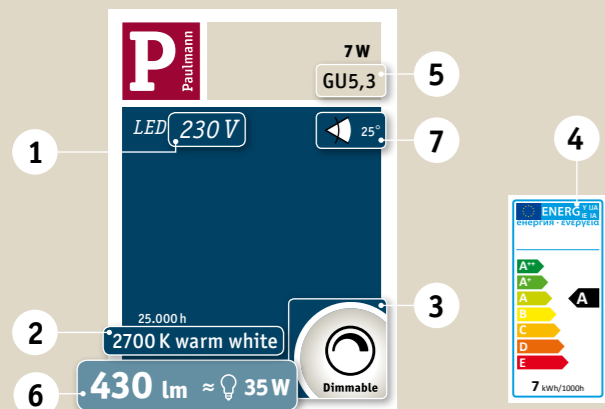


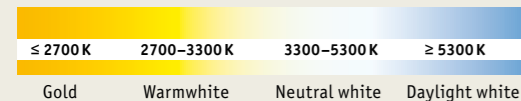
How to choose the right LED



1 Operating voltage

In volts: 230V or 12V

2 Colour temperature



3 Dimmability

For all standard bases E14, E27, GU10 and GU5.3

At 230V, can be dimmed using standard LEADING edge dimmers



At 12V, can be dimmed using standard TRAILING edge dimmers



4 Energy Label

LEDs are very efficient. Check the label and look for low power consumption.

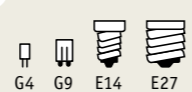


Omnidirectional lamps

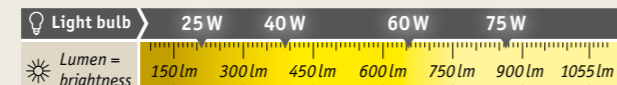
Shape



5 Base



6 Brightness

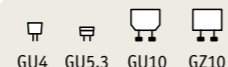


Reflector lamps

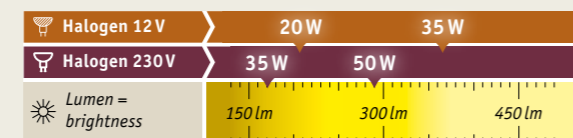
Shape



5 Base



6 Brightness



7 Beam angle

\angle xx° The angle at which the lamp emits light (The smaller the angle, the more concentrated and brighter the light)

All-glass LED lamps in retro style



A feel-good ambience with energy-efficient LED lamps

1:1 replacement for your conventional lamps
Replaces 25 W / 40 W / 60 W incandescent lighting



LED light as you've never seen it before



LED light
Always the right decision



Advantages of LEDs:

- ▶ At least 80% energy-saving*
- ▶ Up to 25x longer lifespan*
- ▶ Many dimmable models
- ▶ Warm white - equivalent to incandescent light at 2700 Kelvin (K)
- ▶ Instant full brightness
- ▶ Insensitive to vibration
- ▶ Mercury-free

* Compared to conventional light bulbs



www.paulmann.com/retrofitting/all

Convert to LED lighting:
it's easy!

80%

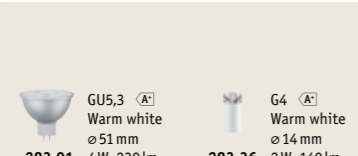
Less energy

How to choose your LED:



Standard

The right light for every situation



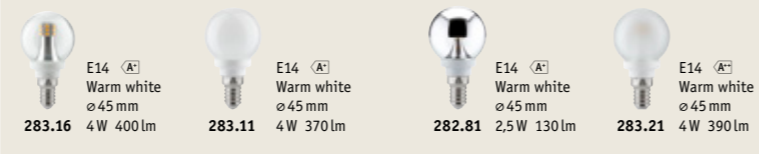
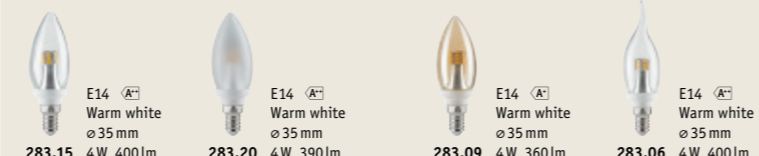
Dimmable

Infinite dimming with your dimmer



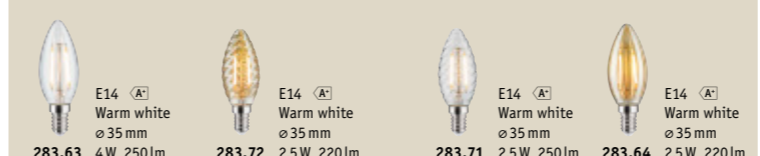
Decorative

Efficient replacement for your decorative lamps



Decorative

All-glass LED lamps in retro style



Light colours

Use the same lighting tricks as the professionals



Speciality lamps

Your speciality lamps now available as LEDs



Products where the energy-efficiency class is not specified do not fall within the scope of EU Regulation 874/2012 or they are decorative/specialised lamps in accordance with EU Regulation 874/2012. Not for general lighting only for decorative purposes or specialised applications!

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