

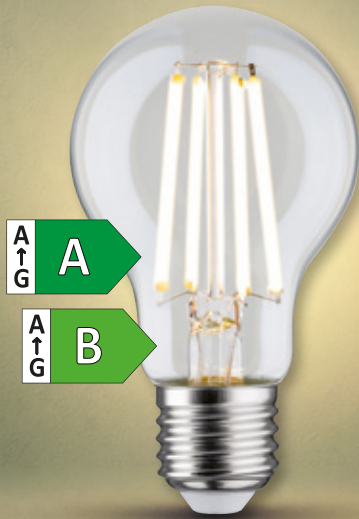
Efficient lighting for everyday life

LED light bulbs
with energy efficiency classes A and B

Saving energy in everyday life

- Up to **60%** energy savings compared with conventional LED light bulbs*
- Up to **50,000 hours** lifespan**
- Over **three times** longer lifespan (compared to light bulbs with a 15,000-hour lifespan)**
- **45 years** of calculated lifespan based on 3 hours of use daily**

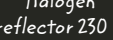
*Comparison with light bulbs in energy efficiency class G with the same light output.
**Applies to selected models under defined test conditions. Calculated on the basis of 3 hours of use per day. The actual lifespan may vary depending on operating conditions, temperature and switching behaviour.



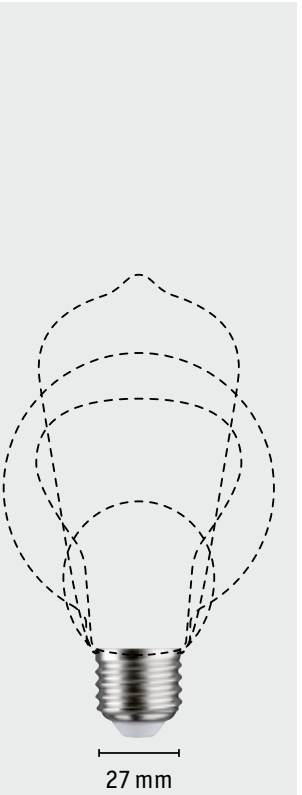
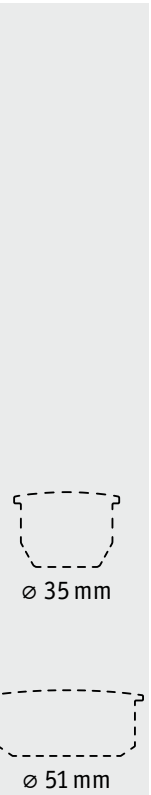
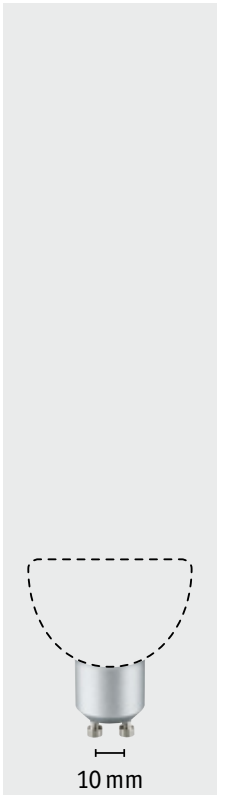
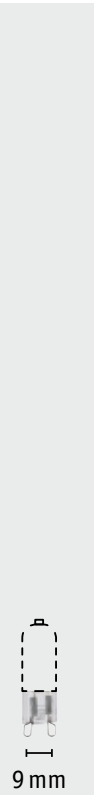
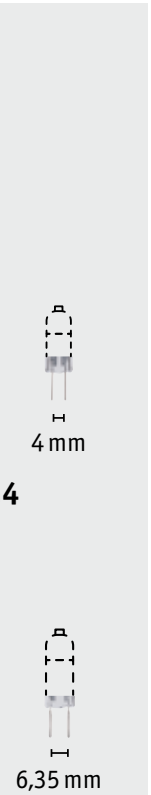
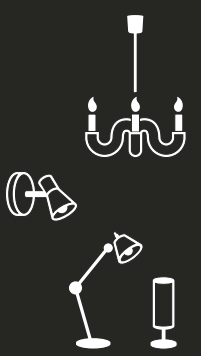
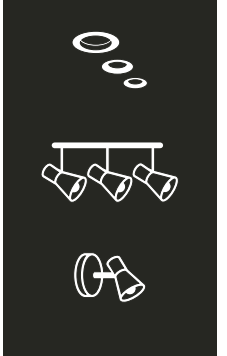
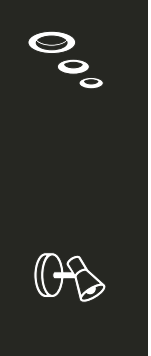
You can find further information on the light bulbs here:

"Lumens" and "watts"

Easy brightness comparison:

 Incandescent light bulb	 25 W ≈ 250 lm	 LED lamp
	 40 W ≈ 470 lm	
	 60 W ≈ 806 lm	
	 75 W ≈ 1055 lm	
	 100 W ≈ 1521 lm	 LED reflector 230 V
	 Halogen reflector 230 V	
	 Halogen reflector 230 V	
	 Halogen reflector 230 V	
 LED reflector 12 V	 10 W ≈ 90 lm	 LED reflector 12 V
	 20 W ≈ 180 lm	
	 35 W ≈ 350 lm	
	 50 W ≈ 540 lm	

Base overview: The right lamp for your luminaire

230 V					12 V	
 27 mm	 14 mm	 ø 35 mm ø 51 mm	 10 mm	 9 mm	 4 mm GU4	 4 mm G4
E27	E14	COIN	GU10	G9	GU5,3	GY6,35
						



Do you read "lumen" and think "watt"?

The Paulmann lamp guide helps you find the right lamp

Did you know that LED lamps...

- consume at least 80% less energy than conventional incandescent light bulbs,
- last at least 10 times as long,
- light up instantly and
- can produce almost any light colour you want, from warm to cool white tones and RGB colours.

Energy efficiency class

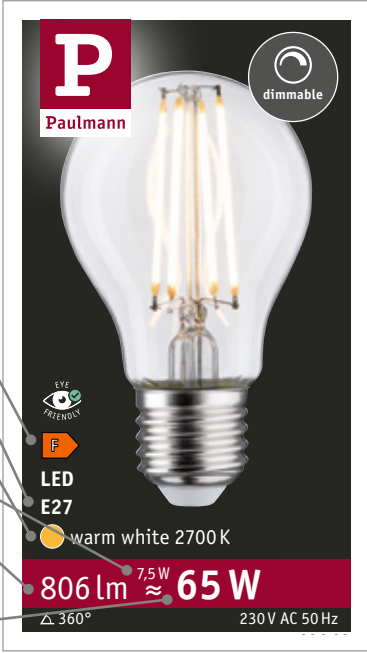
Base

Light colour

Power consumption (W)

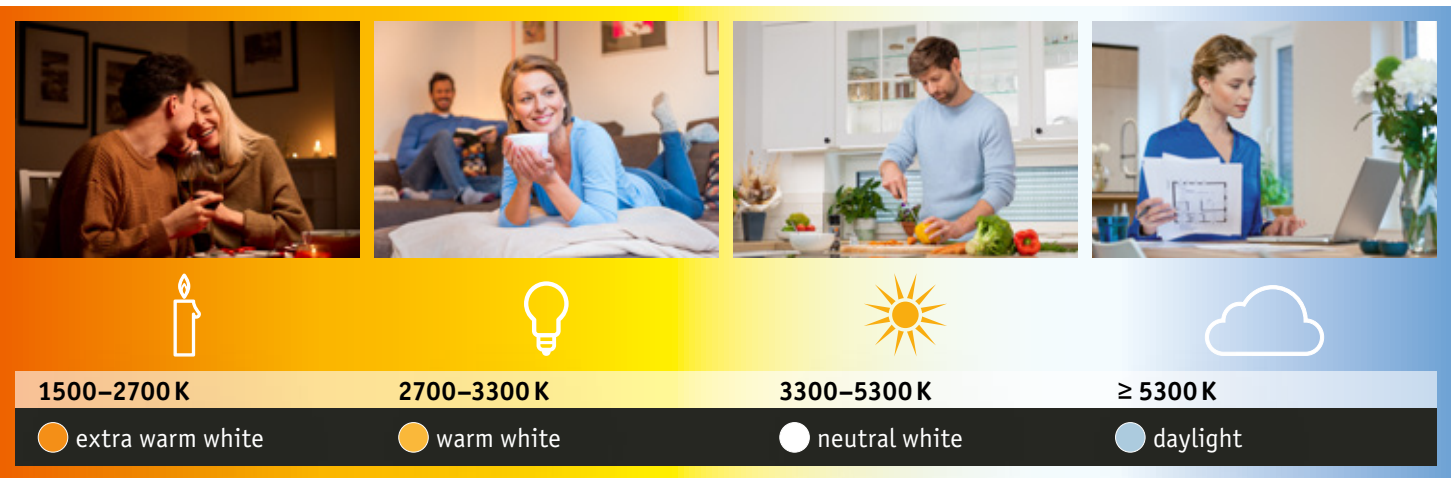
Brightness

Wattage comparison (Equivalent to incandescent lamp)



www.paulmann.com/flyer-finder-yt/

Colour temperature in Kelvin (K)



Extra warm white light
or gold light is particularly suitable as mood lighting. This kind of light gives the effect of cosy candlelight.

Warm white light
creates a cosy and comfortable atmosphere. The inviting light makes you want to stay and relax in the living room, dining room or bedroom.

Neutral white light
creates "functional" lighting that promotes concentration and performance. It is particularly suitable for use in the office, kitchen and bathroom.

Daylight white light
is similar to natural lighting conditions and has a stimulating effect that promotes concentration. This kind of light is particularly recommended for work spaces.

Dimming

Lamps with this symbol give you the option...

 **of infinitely adjustable dimming** without changing the light colour

 **3-step dimming** – pressing a standard wall switch cycles through the three dimming levels

 **infinitely adjustable dimming with simultaneous colour temperature change** – from bright warm white to dimmed gold light

Find more information on dimmable controls and light colour control:

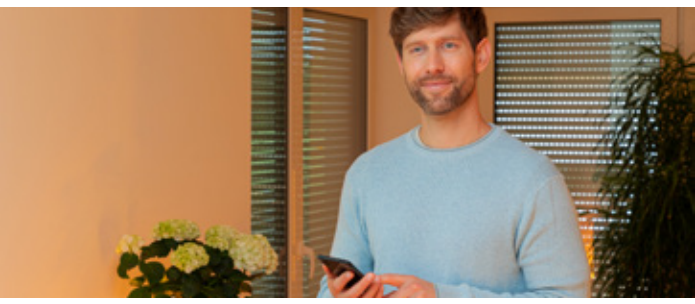


www.paulmann.com/flyer-playlist-yt/

Get smart luminaires!

Plug in, switch on and go!

- Easy to control using voice control, app or remote control
- Customised lighting moods: Infinitely adjustable dimming and selection of white tones from extra warm white to daylight white
- Vibrant colours: RGBW with 16 million colour tones provides the perfect lighting for every moment



Adjusting the light colour

Lamps with this symbol give you the option...

 **to select the white light colour** from a range of colours from warm white to daylight white

 **to select from a continuous range of 16 million colour shades** and additional **white tone control**

Eye-friendly light

Our four comfort criteria

-  **Flickering and stroboscopic effects:** Visible flickering and stroboscopic effects have been minimized.
-  **Colour consistency:** The LEDs produce white tones with virtually no deviations, which ensures a consistent light quality.
-  **Colour rendering:** Their high colour rendering index means that colours are reproduced naturally.
-  **Photobiological safety:** The low percentage of short-wave light protects you from blue light hazards and UV exposure.



You can find more information about eye-friendly lighting here:

www.paulmann.com

Paulmann Licht GmbH
Quezinger Feld 2
31832 Springe/Germany