

Think about tomorrow today!

Eco line: Extremely energy-efficient LED lamps

Save money and electricity long term  
Up to 60% energy savings compared to conventional LED lamps

3.5x longer service life –  
Lasts up to 50 years\*  
Service life of 50,000 hours

A new level of efficiency  
With the same light quality

\*3 hours light time during the day

A  
↑  
G




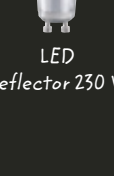

ultra  
efficient



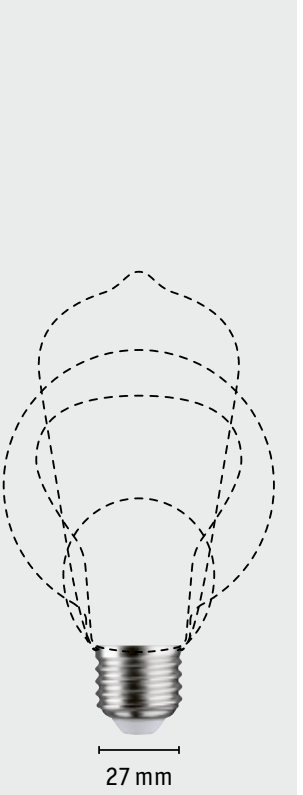

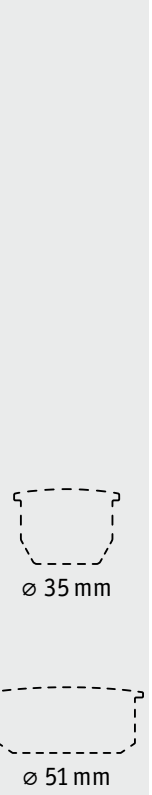
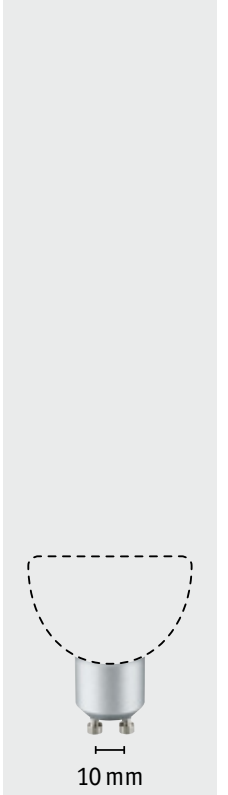
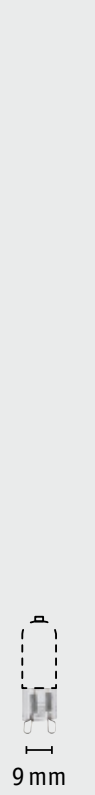

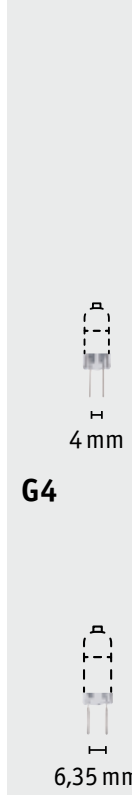

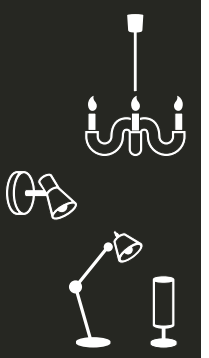

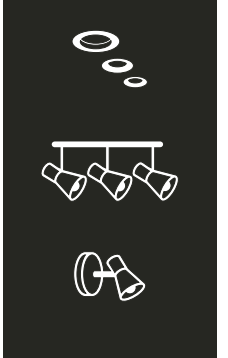

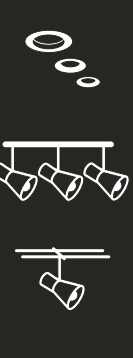
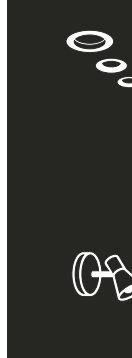
You can find more information  
about the lamps here:

"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	
 LED lamp	100 W ≈ 1521 lm	 LED lamp
	25 W ≈ 125 lm	
	35 W ≈ 200 lm	
	50 W ≈ 300 lm	
 Halogen reflector 230 V	10 W ≈ 90 lm	 LED reflector 230 V
	20 W ≈ 180 lm	
	35 W ≈ 350 lm	
	50 W ≈ 540 lm	
 Halogen reflector 12 V		 LED reflector 12 V

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

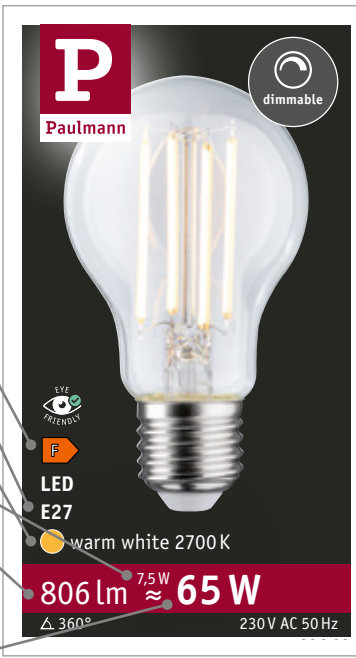
Base

Light colour

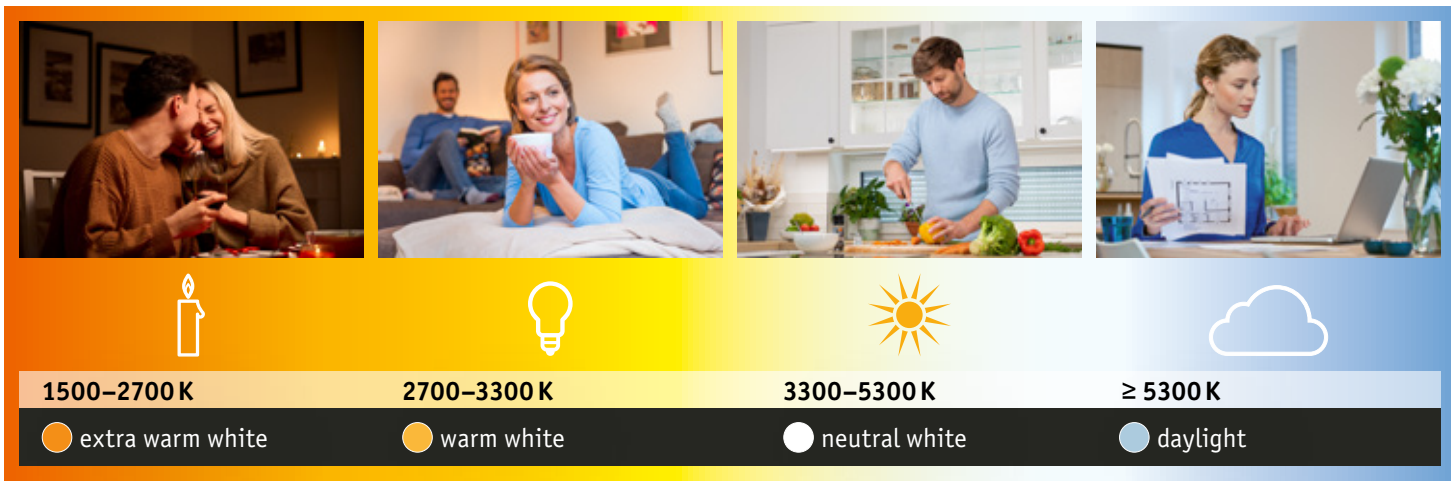
Power consumption (W)

Brightness

Wattage comparison (Equivalent to incandescent lamp)



## 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

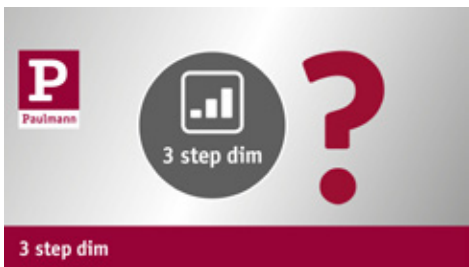


**3-step dimming** – pressing a standard wall switch cycles through the three dimming levels



**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:



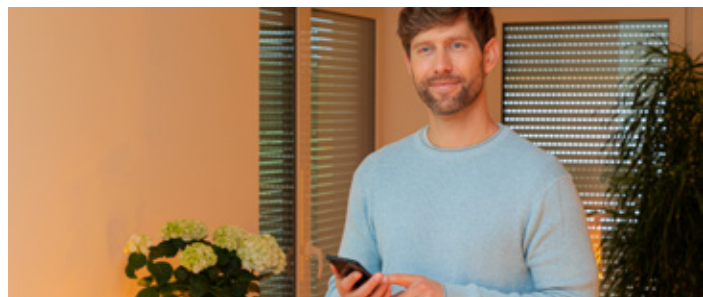
[www.paulmann.com/flyer-playlist-yt/](http://www.paulmann.com/flyer-playlist-yt/)



## 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](http://www.paulmann.com)

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