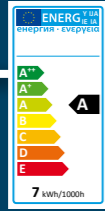


Important details on your packaging

Energy Label

LED is very efficient. Take note of the rating.



P Paulmann
LED 230V
7W GU5,3
25°
25.000h
2700K warm white
300lm
Dimmable

The right base?



Desired beam angle?

XX° The angle at which the lamp emits light
The smaller the angle, the more focused and brighter the light
The colour that the lamp emits

Dimmable LEDs?

For all standard sockets: E14, E27, GU10 and GU5.3
When operated at 230 V, can be dimmed with conventional phase control dimmers
When operated at 12 V, can be dimmed with conventional reverse phase control dimmers

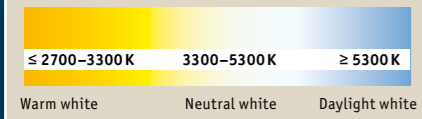
What is the right operating voltage?

Specification in volts: 230V or 12V

How long will the bulb last?

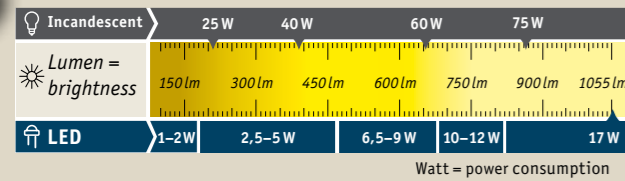
Specification in hours: 1,000 h = 1 year (2.7 h/day)

Desired luminous colour?

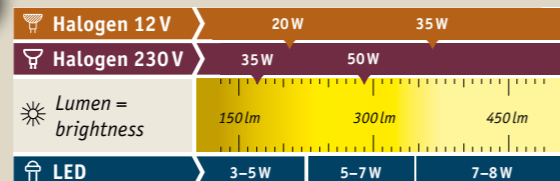


Desired brightness?

This is how bright diffuse LED lamps are



This is how bright directional LED reflector lamps are



Advantages of LEDs

- ▶ 80% energy savings*
- ▶ Up to 25x longer lifetime*
- ▶ Replace and save: all standard sockets
- ▶ Several dimmable models
- ▶ Warm white luminous colours with 2700kelvin (K)
- ▶ Quick start with full initial brightness
- ▶ Shock resistant
- ▶ Mercury-free



* Compared to conventional light bulbs

www.paulmann.com/LED-illuminants/all



Retrofit lights with LED – it's easy!



www.paulmann.com/retrofitting/all

Decorative LED

The real alternative to decorative bulbs

Decorative shapes and surfaces as a true retrofit for decorative incandescent bulbs:

- ▶ 1:1 replacement for the now-vanished incandescent bulbs, with almost identical look and dimensions
- ▶ Satined, opal and mirrored surfaces for soft light



Replace now and save!

	Conventional bulbs	LED	Energy Saver	Halogen 230V
Energy savings ¹⁾	0%	80%	80%	25%
Saved electricity costs per year ²⁾	None	200,-	200,-	60,-
Lifetime ³⁾	1 year	10.000 – 25.000 h	5.000 – 8.000 h	2.000 h
New purchase ⁴⁾	10 bulbs	1 bulb	3 bulbs	4 bulbs

¹⁾ Compared to a conventional bulb
²⁾ Example: 3-person household with conventional light sources, total power consumption of 1000 W. Price of a kilowatt hour (kWh) € 0.25
³⁾ With an average of 2 ¼ hours in use per day
⁴⁾ Long lifetime = few bulbs purchased

LED light as you've never seen it before



2000K
281.82
E14 Gold ø35 4W
281.80
E27 Gold ø60 7W



281.85
E27 Rosé ø63 5,5W
281.86
GU10 Rosé ø50 5W



20.000K
282.13
E27 Ice Blue ø60 7W
282.15
GU5,3 Ice Blue ø51 5,5W



282.17
E27 Blacklight ø60 5W
282.16
GU10 Blacklight ø50 4,5W

P Paulmann
LED
Always the perfect light



-80%

-80%

How to choose your LED:

Dimmable LED lamps

25.000 h

2700 K

Dimmable

Decorative LED lamps

15.000 h - 20.000 h

Special LED lamps

Special luminous colours and effects

Standard LED lamps

15.000 h - 20.000 h

2700-3000 K



Candle E14



Teardrop E14, E27



Globe E14, E27



Standard E27



Reflector E14, E27



Reflector 230 V GU10, GZ10



Reflector 12 V GU4, GU5.3



Special

E14 (A) Warm white ø 36 mm 282.08 6.5 W 470 lm

E14 (A) Warm white ø 35 mm 281.47 5 W 300 lm

E14 (A) Warm white ø 45 mm 282.09 6.5 W 470 lm

E27 (A) Warm white ø 45 mm 282.10 6.5 W 470 lm

E14 (A) Warm white ø 45 mm 281.48 5 W 350 lm

E27 (A) Warm white ø 45 mm 281.49 5 W 350 lm

E27 (A) Warm white ø 80 mm 281.92 12 W 806 lm

E27 (A) Warm white ø 80 mm 281.43 8 W 430 lm

E27 (A) Warm white ø 60 mm 282.23 17 W 1055 lm

E27 (A) Warm tone 2000-3000 K ø 60/ ø 66 mm 282.25 7 W 470 lm

E27 (A) Warm white ø 66 mm 282.26 11 W 806 lm

E27 (A) Warm white ø 60 mm 282.59 6.5 W 470 lm

E27 (A) Warm white ø 66 mm 281.42 11 W 820 lm



GU10 (A) Warm white ø 51 mm 281.96 7 W 320 lm

GU10 (A) Warm white ø 51 mm 282.06 7 W 430 lm

GU10 (A) Warm white ø 51 mm 281.44 4 W 200 lm

GU10 (A) Warm white ø 51 mm 281.45 5 W 270 lm

GU5.3 (A) Warm white ø 51 mm 282.55 7 W 310 lm

GU5.3 (A) Warm white ø 51 mm 282.56 7 W 420 lm

GU5.3 (A) Warm white ø 51 mm 281.46 6 W 290 lm

R7s (A) Neutral white ø 48 mm ⇄ 118 mm 282.11 12 W 850 lm

R7s (A) Warm white ø 48 mm ⇄ 118 mm 282.12 12 W 806 lm

G4 Warm white ø 15 mm 280.91 1 W 85 lm

G4 Warm white ø 22 mm 280.92 0.8 W 75 lm

G9 (A) Warm white ø 18 mm 282.27 2 W 180 lm

G9 (A) Warm white ø 18 mm 281.79 1.5 W 100 lm

G9 Warm white ø 30 mm 281.12 3 W 250 lm

GU10 Warm white ø 30 mm 282.24 3 W 250 lm

E14 Daylight white ø 21 mm 281.11 1 W 50 lm

E14 Warm white ø 21 mm 281.10 1 W 50 lm

GX53 (A) Warm white ø 75 mm 281.31 4 W 210 lm

GX53 (A) Warm white ø 75 mm 281.33 7 W 350 lm

E14 (A) Clear ø 35 mm 281.70 2.5 W 200 lm

E14 (A) Satin ø 35 mm 281.71 2.5 W 200 lm

E14 (A) Clear ø 35 mm 281.72 2.5 W 200 lm

E14 (A) Gold ø 35 mm 281.73 2.5 W 180 lm

E14 (A) Clear ø 45 mm 282.62 2.5 W 200 lm

E27 (A) Clear ø 45 mm 282.63 2.5 W 200 lm

E14 (A) Warm white ø 45 mm 282.67 2.5 W 200 lm

E14 (A) Gold ø 45 mm 281.81 4 W

E14 (A) Clear ø 60 mm 282.64 2.5 W 200 lm

E27 (A) Clear ø 60 mm 282.65 2.5 W 200 lm

E14 (A) Warm white ø 60 mm 282.69 2.5 W 200 lm

E27 (A) Warm white ø 60 mm 282.70 2.5 W 200 lm

E27 (A) Clear ø 55 mm 281.88 3 W 260 lm

E27 (A) Warm white ø 55 mm 282.71 3 W 250 lm

E27 (A) Daylight white ø 60 mm 282.44 7 W 470 lm

E27 (A) Daylight white ø 60 mm 282.45 11 W 806 lm

E27 (A) Rosé ø 63 mm 281.85 6 W

E27 (A) Black light ø 63 mm 282.18 5 W

GZ10 (A) Warm white ø 51 mm 281.87 3.5 W 250 lm

GU10 (A) Daylight white ø 51 mm 282.46 7.5 W 470 lm

GU10 (A) Multicolour ø 51 mm 280.13 1 W

GU10 (A) Warm white ø 51 mm 281.34 4 W 240 lm

GU5.3 (A) Daylight white ø 51 mm 282.48 8 W 470 lm

GU5.3 (A) Warm white ø 51 mm 281.37 1.5 W 50 lm

GU5.3 (A) Daylight white ø 51 mm 281.35 4 W 210 lm

GU5.3 (A) Daylight white ø 51 mm 280.00 1 W 35 lm



www.paulmann.com/LED-illuminants/all

Products without specification of the energy-efficiency class do not fall within the application area covered by EU Regulation 874/2012 or are decorative/special lamps in accordance with EU Regulation 874/2012. Not for general lighting, only for decorative purposes. Updated 02/2014

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