

Energy efficient light bulbs

Halogen bulbs, fluorescent light bulbs and LED bulbs are energy efficient alternatives to incandescent bulbs. If operating for the same time, power consumption of energy-efficient light bulbs is considerably less compared to power consumption of incandescent bulb of similar luminance.

How to find the right replacement for incandescent lamp?

When choosing new bulbs, it has to be kept in mind that the lighting in the staircase should be sufficient. If until now when buying incandescent bulbs, the attention was paid to the watts, but now when purchasing energy-efficient light bulbs, you should look for an indication of the lumens* (lm) on the package. For example, the light from 60 W incandescent corresponds to 710 lumens. This is particularly important when purchasing LED bulbs, because their brightness gradually decreases with time.



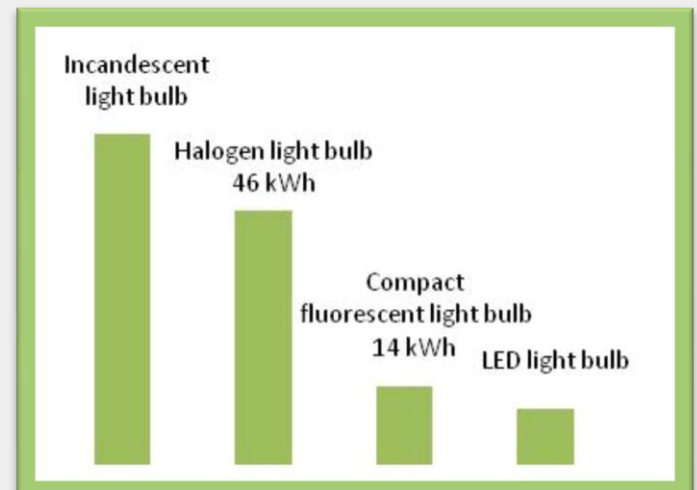
Incandescent light bulb and Compact fluorescent light bulb

How to find the right replacement for incandescent lamp? Depending on the supply of different manufacturers equivalents to incandescent bulbs are as follows:

Incandescent bulbs	Energy-efficient bulbs
100 W	1300 - 1530 lm
75 W	920 - 1060 lm
60 W	700 - 810 lm
40 W	410 - 470 lm
25 W	220 - 250 lm



LED light bulb and Halogen light bulb



Power consumption of different bulbs having a similar luminance, if operating for 1000 hours

Nowadays, manufacturers offer all kinds of energy saving light bulbs with the accustomed "warm light" and with base in standard size diameters. When buying fluorescent bulb, make sure that the bulb shape and size suit to the particular lamp dome.

Let's compare the currently available light bulbs!

Type of bulb	Incandescent light bulb	Halogen light bulb	Compact fluorescent light bulb	LED light bulb
Characteristics				
Lighting up speed	☺ light turns on immediately	☺ light turns on immediately	☹ reaches maximum brightness after 5-30 seconds	☺ light turns on immediately
Electricity savings	☹ most electricity consuming	☺ up to 30%	☺ up to 80%	☺ up to 90%
Service (life) time	☹ up to 1000 hours	☺ up to 2000 hours	☺ up to 20 000 hours	☺ up to 30 000 hours
Particular aspects	-	-	<p>☹ frequent switching on and off shortens the service time of the bulb</p> <p>☹ contains mercury, so the blown out bulb must not be thrown together with household waste; it has to be handed over to an electronics store or electrical waste collection site</p>	☹ contains a complex electronic system, so the blown out bulb must not be thrown together with household waste; it has to be handed over to an electronics store or electrical waste collection site
Average price (depending on supplier)	1-1.5 EUR (production in the EU has been stopped)	2-3 EUR	3-8 EUR	5-20 EUR