

PHILIPS

LED bulbs



Ultra Efficient rating for ultra energy savings



Real pros

help their customers realize ultra energy savings

Introducing the Philips Ultra Efficient LED bulb and candle: our most energy efficient bulbs and candles yet



Are your customers worried about their energy costs?

With energy cost going through the roof, many companies are more aware of their energy consumption than ever. Lighting on average represents up to 25% of electricity consumption in buildings¹, so there is much to gain. Did you know there is great potential to save energy, even if you already have LED lights?

With Philips Ultra Efficient LED bulbs and candles you have the perfect retrofit lamp to help your customers save energy and money with high-quality, long-lasting and ultra energy-efficient LED.

¹ According to Signify modeling and market intelligence data



Unbeatable arguments for your customers

- Ultra efficient with up to 210 lm/W
- Saves up to 50-60% in energy costs compared to standard LED bulbs and candles
- Ultra long lifetime of 50,000 hours – more than 3.5x longer than standard LED bulbs and candles
- Less than 4 months payback time compared with conventional halogen bulbs or candles
- 5 years warranty

More reasons to upgrade

- Full glass design – heritage look and feel that customers like
- Very high-quality and comfortable light
- No flicker, reduced glare, CRI 80
- Perfect solution for offices, residential, and hospitality applications
- Available in full range, from 40W to 100W replacement

EU regulations for more sustainability

In September 2021, the EU implemented two updated regulations, both with the goal of further expanding the lighting industry's lead in sustainability by delivering significant energy savings for lighting products and systems.

- **The Ecodesign Regulation (SLR):** aims to improve product performance and sustainability
- Products that fail to meet requirements will be phased out
- **The Energy Labelling Regulation:** introduced a new consumer-friendly energy label to empower end users to choose energy efficient products
- The new scale reflects how efficient a product is – the definition of A to G has been changed based on the new efficacy requirements



The new Philips UltraEfficient LED bulbs and candles with up to 210 lm/W achieve an incredible energy efficiency!

Technical leader of the pack

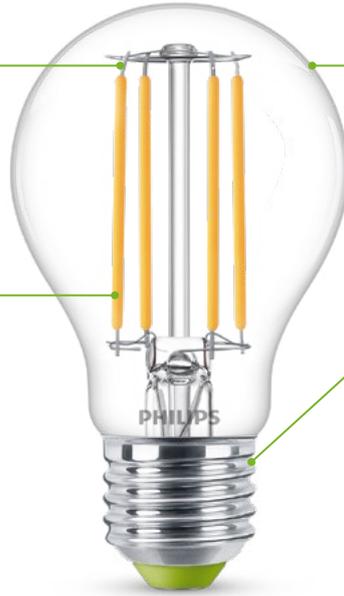
The Philips A-class LED bulb is a true breakthrough on the way to more sustainable lighting:

Thermal

- Optimized filament position for better thermal control

LED design

- High-efficiency phosphor
- Optimally balanced color point (CRI 80) in line with EU Ecodesign light source regulation
- Industry-leading LED chip for most efficient conversion of input power into light output



Optics

- Filament orientation designed for most efficient light output

Driver upgrade

- Optimization of driver architecture and component design to improve efficiency
- More compact size to fit into E-cap

Payback before you know it

When updating from conventional bulbs, your customers can expect a full return on investment in only 4 months. A typical restaurant will save 2253 Euro per year by replacing 50 x 42W conventional LED bulbs with 4W Ultra Efficient LED bulbs.¹

	Standard LED bulb ²		A-class LED bulb	Halogen bulb		A-class LED bulb
Lifetime	15,000 hrs	>	50,000 hrs	2,000 hrs	>	50,000 hrs
Lamp wattage	9W	>	4W	42W	>	4W
Total savings/year			277 €			2,253 €
Payback period			1.3 years			0.3 years

Number of lamps	50	Energy costs	0.29 €/kWh	Lamp cost/year	0.73 €	Total costs/year/lamp	2.60 €
Burning hours per year	3600 hrs ³	Replacement cost/year/lamp	0.14 €	Energy costs/year/lamp	1.73 €		

Compared with a standard LED bulb, a Philips LED bulb UE can reduce CO₂ emissions by up to 105 kg over its lifetime.⁴ This is the equivalent to the emissions absorbed by more than 4 trees!⁵

Compared with a halogen bulb, a Philips LED bulb UE can reduce CO₂ emissions by up to 678 kg over its lifetime.⁴ This is the equivalent to the emissions absorbed by more than 36 trees!⁵

¹ Calculation for a typical small restaurant based on 50 x 42W halogen bulbs with a lifetime of 2000 hours vs 50 x 4W Ultra Efficient LED bulbs with a lifetime of 50,000 hours; 0.29 Euro energy cost/hour; 2 Euro replacement cost per lamp; 3600 burning hours per year.

² Standard LED bulb refers to Philips LED classic 60W A60 E27.

³ Energy use. Based on 12 hrs burning per day, 300 days per year.

⁴ Calculation based on CO₂ gas emissions of 0,42 kg/kWh.

⁵ Based on multiple scientific literature, an average fully grown tree can absorb 22 kg CO₂ per year.

Order information

Product type	Bulb shape	Socket	Bulb finish	Power	Lumen output	Efficacy	CRI	Color temp.	Lifetime	EEL	EOC code			
				W	lm	lm/W		K	hrs		8719514			
MAS LEDBulbND2.3-40W E27 830 A60 CLG EELA	A60	E27	Clear Glass	2.3	485	210	80	3000	50,000	A	42073100			
MAS LEDBulbND2.3-40W E27 840 A60 CLG EELA								4000			42075500			
MAS LEDBulbND4-60W E27 830 A60 CLG EELA				4	840			3000			42077900			
MAS LEDBulbND4-60W E27 840 A60 CLG EELA								4000			42079300			
MAS LEDBulbND4-60W E27 830 A60 FR G UE				Frosted Glass	3000			43579700						
MAS LEDBulbND4-60W E27 840 A60 FR G UE					4000			43581000						
MAS LEDBulbND7.3-100W E27 830 A70 FRG UE			7.3		1535			3000			43583400			
MAS LEDBulbND7.3-100W E27 840 A70 FRG UE								4000			43585800			
MAS LEDBulbND5.2-75W E27 830 A70 CLG UE			A70		E27			Clear Glass			5.2	1095	3000	43587200
MAS LEDBulbND5.2-75W E27 840 A70 CLG UE													4000	43589600
MAS LEDBulbND7.3-100WE27 830 A70 CLG UE				7.3							1535	3000	43591900	
MAS LEDBulbND7.3-100WE27 840 A70 CLG UE												4000	43593300	
MAS LEDCandleND2.3-40W E14 830 B35 CLG UE	B35	E14				2.3	485		3000	43595700				
MAS LEDCandleND2.3-40W E14 840 B35 CLG UE									4000	43597100				

