

PHILIPS

LED lamps

**REAL
PROs
REAL
QUALITY**

Real pros help
**customers realize
ultra energy savings**



Meet the extended Philips MASTER Ultra Efficient range — our most energy-efficient LED lamps yet

**A-class and
B-class**



Are your customers worried about their energy costs?

With energy costs 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 buildings, so there is much to gain.¹

Did you know there is great potential to save energy, even if you already have LED lights?

Meet our most energy-efficient LED lights yet

Thanks to a great technology breakthrough, Philips ultra-efficient LED bulbs, candles, spots, tubes and HID replacement lamps allow your customers to immediately save over 60% energy compared with standard LED alternatives.²

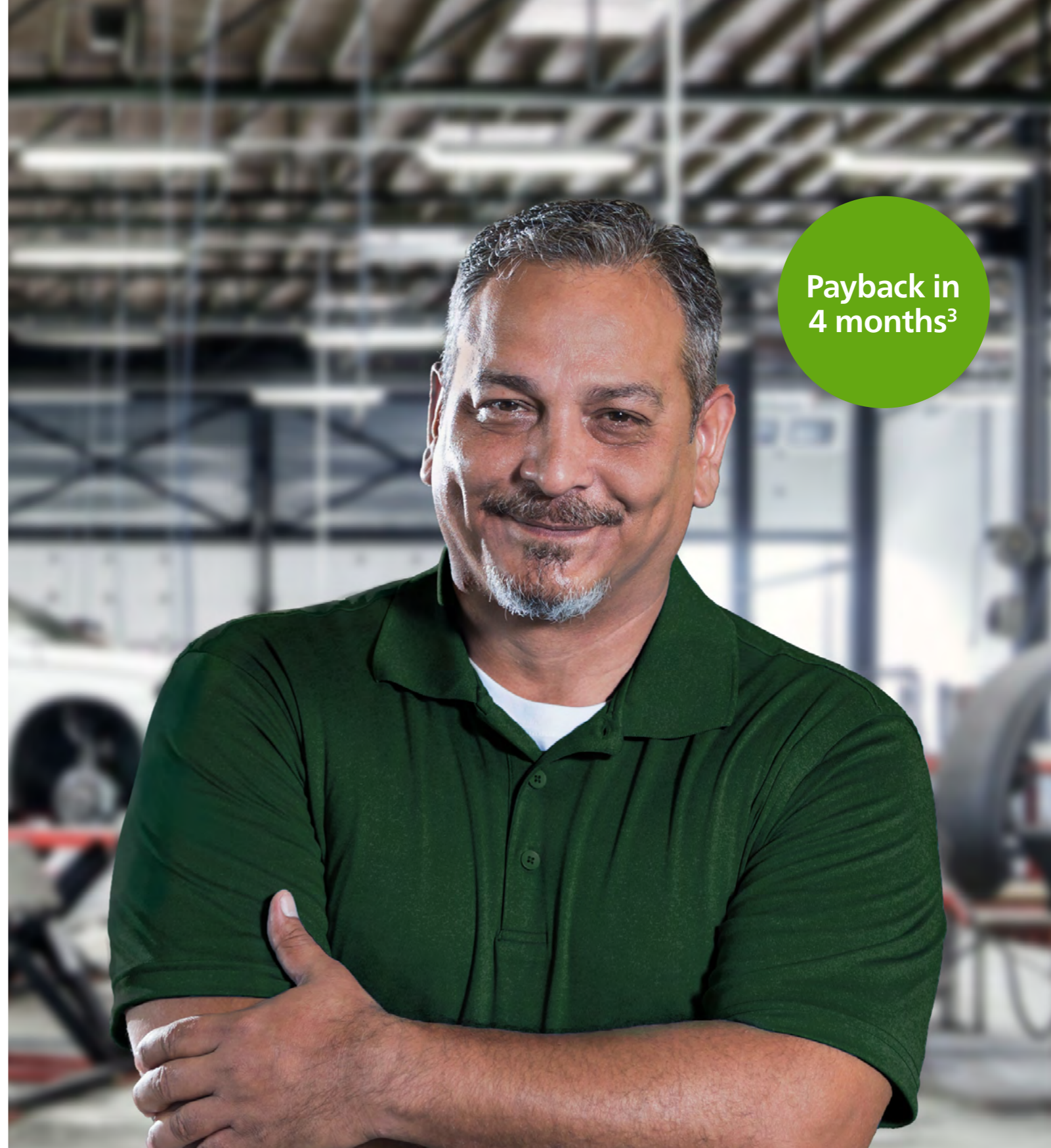
The investment pays itself back in four months depending on the selected product. Not only does this allow for important savings, switching to ultra-efficient LEDs also contributes to improved sustainability.

¹ According to Signify modeling and market intelligence data

² Compared with Philips standard LED equivalent product for LED lamps and LED tubes

³ Depending on selected product

**Payback in
4 months³**



Start saving energy and money now! Visit the [website](#) for more information.

MASTER LEDbulbs Ultra Efficient



New: Ultra-efficient A-class candles, lusters and dimmable bulbs

Saves up to 60% in energy costs¹

Very long lifetime of 50,000 hours – more than 3.5 x longer¹

Less than four months payback time²

5-year warranty

More reasons to upgrade

- Ultra-efficient with up to 210 lm/W
- 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
- Now available in 2700K, 3000K and 4000K

Product highlights

Innovative new features pioneering sustainable lighting.

Ever seen a dimmable A-class bulb? Here you go.

Thermal

- Optimized filament position for better thermal control

Optics

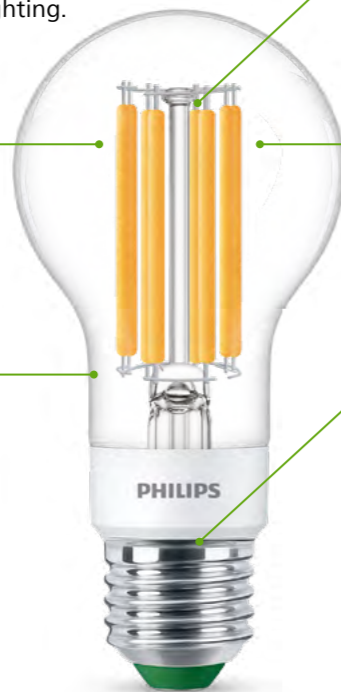
- Filament orientation designed for most efficient light output

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

Driver upgrade

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



¹ Philips MASTER LEDbulb UE compared to standard LED bulbs (Philips CorePro LEDbulb A60 60W)
² Philips MASTER LEDbulb UE compared to conventional halogen bulbs

Payback before you know it

When upgrading from conventional bulbs, your customers can expect a full return on investment in only 4 months. A typical restaurant will save € 2,058 per year by replacing 100 units of 42W conventional 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	8W >	4W	42W >	4W
Total savings/year		€ 210		€ 2,058
Payback period		2.3 years		0.3 years

Number of lamps	100	Energy costs	0.34 €/kWh	Lamp cost/year	€ 0.22	Total costs/year/lamp	€ 2.24
Burning hours per year	1,460 hrs ³	Replacement cost/year/lamp	€ 0.03	Energy costs/year/lamp	€ 1.99		

Compared with a standard LED bulb, a Philips LED bulb UE can reduce CO₂ emission by up to 8,400 kg over its lifetime.⁴ This is the equivalent to the emission absorbed by more than 380 trees!⁵

Compared with a halogen bulb, a Philips LED bulb UE can reduce CO₂ emission by up to 79,800 kg over its lifetime.⁴ This is the equivalent to the emission absorbed by more than 3,610 trees!⁵

¹ Calculation is based on detailed information given in the table above. ² Standard LED bulb: Philips CorePro LEDbulb A60 60W. ³ Based on 4 burning hours per day, 365 days per year. ⁴ Calculation based on CO₂ gas emission 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	Dimmable	EEL	EOC code
				W	lm	lm/W		K	hrs			8720169
New MAS LEDBulbND2.3-40W E27 827 A60 FR G UE	A60	E27	Frosted Glass	2.3	485	210	80	3000	50,000	no	A	18833400
New MAS LEDBulbND2.3-40W E27 827 A60 CL G UE			Clear Glass									18829700
MAS LEDBulbND2.3-40W E27 830 A60 CL G UE			Clear Glass									25404600
New MAS LEDBulbND2.3-40W E27 830 A60 FR G UE			Frosted Glass									25408400
New MAS LEDBulbND2.3-40W E27 840 A60 FR G UE			Frosted Glass	18841900								
MAS LEDBulbND2.3-40W E27 840 A60 CL G UE			Clear Glass	18837200								
New MAS LEDBulb D 4-60W E27 827 A60 CL G UE			Clear Glass	yes	24864900							
New MAS LEDBulbND4-60W E27 827 A60 CL G UE			Clear Glass	no	18845700							
New MAS LEDBulb D 4-60W E27 827 A60 FR G UE			Clear Glass	yes	24866300							
New MAS LEDBulbND4-60W E27 827 A60 FR G UE			Frosted Glass	no	18849500							
New MAS LEDBulb D 4-60W E27 830 A60 FR G UE			Frosted Glass	yes	24870000							
MAS LEDBulbND4-60W E27 830 A60 FR G UE			Clear Glass	no	25416900							
New MAS LEDBulb D 4-60W E27 830 A60 CL G UE			Clear Glass	yes	24868700							
MAS LEDBulbND4-60W E27 830 A60 CL G UE			Clear Glass		25412100							
MAS LEDBulbND4-60W E27 840 A60 CL G UE			Clear Glass		18853200							
MAS LEDBulbND4-60W E27 840 A60 FR G UE			Frosted Glass		18857000							
New MAS LEDBulbND5.2-75W E27 827 A60 FR G UE	Frosted Glass		18865500									
New MAS LEDBulbND5.2-75W E27 827 A60 CL G UE	Clear Glass		18861700									
MAS LEDBulbND5.2-75W E27 830 A60 CL G UE	Clear Glass		25420600									
New MAS LEDBulbND5.2-75W E27 830 A60 FR G UE	Frosted Glass		25424400									
New MAS LEDBulbND5.2-75W E27 840 A60 FR G UE	Frosted Glass		18873000									
MAS LEDBulbND5.2-75W E27 840 A60 CL G UE	Clear Glass		18869300									
New MAS LEDBulbND7.3-100W E27 827 A60 CL G UE	Clear Glass		18877800									
New MAS LEDBulbND7.3-100W E27 827 A60 FR G UE	Frosted Glass		18881500									
MAS LEDBulbND7.3-100W E27 830 A60 FR G UE	Frosted Glass		25432900									
MAS LEDBulbND7.3-100W E27 830 A60 CL G UE	Clear Glass		25428200									
MAS LEDBulbND7.3-100W E27 840 A60 CL G UE	Clear Glass		18885300									
MAS LEDBulbND7.3-100W E27 840 A60 FR G UE	Frosted Glass		18889100									
New MAS LEDCandleND2.3-40W E14 827 B35 CL G UE	B35	E14	Clear Glass	2.3	485	210	80	2700	50,000	no	A	18893800
New MAS LEDCandleND2.3-40W E14 840 B35 CL G UE												4000
New MAS LEDLusterND2.3-40W E14 827 P45 CL G UE												2700
MAS LEDLusterND2.3-40W E14 840 P45 CL G UE	P45		4000									
New MAS LEDLusterND2.3-40W E27 827 P45 CL G UE	P45	E27	Clear Glass	2.3	485	210	80	2700	50,000	no	A	18899000
New MAS LEDLusterND2.3-40W E27 840 P45 CL G UE												4000
MAS LEDBulbND4-60W E27 827 ST64 CL G UE												2700
New MAS LEDBulbND4-60W E27 827 ST64 CL G UE	ST64	E27	Clear Glass	4	840	210	80	2700	50,000	no	A	20274000
New MAS LEDBulbND4-60W E27 827 G95 CL G UE												2700
MAS LEDBulbND4-60W E27 840 G95 CL G UE												G95

MASTER LEDtube Ultra Efficient T8



Coming soon:
Ultra-efficient A-class LED
tube with 6500 K
color temperature



Saves up to 44% in energy costs¹



Ultra long lifetime of 100,000 hours — more than 2 x longer¹



Less than four months payback time²



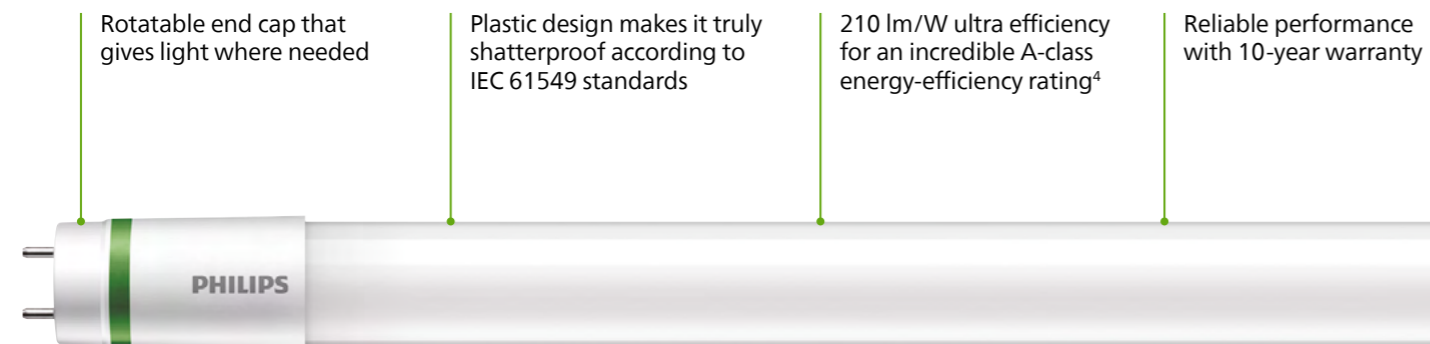
10-year warranty³

Sustainability meets profitability

With Philips MASTER LEDtube Ultra Efficient you can offer your customers an innovative and value-adding product to minimize their energy consumption. And although ultra-efficient LED tubes require less maintenance and replacement, the higher investment of your customer will give you a higher profit per light point!

Product highlights

The Philips MASTER LEDtube Ultra Efficient offers all the benefits of LED lighting — and more



¹ Philips MASTER LEDtubes UE EELA compared to standard LED tubes (Philips CorePro LEDtube EM/mains Ultra Output operating on direct mains)

² Philips MASTER LEDtubes UE EELA compared to fluorescent tubes

³ For Philips MASTER LEDtubes UE EELA

⁴ According to the updated European Energy Labelling Regulation (09/2021)

Cost and CO₂ savings right from the start

When upgrading from fluorescent tubes, your customers can expect a full return on investment in only 4 months. A typical small warehouse will save € 16,044 by replacing 100 units of 58W fluorescent tubes with 17.6W ultra-efficient A-class LED tubes.¹

	Standard LED tube ²	MASTER LEDtube UE ¹	Fluorescent tube	MASTER LEDtube UE ¹
Lifetime	50,000 hrs	100,000 hrs	20,000 hrs	100,000 hrs
Lamp wattage	31.5W	17.6W	58W	17.6W
Total savings/year		€ 3,944		€ 16,044
Payback period		1.3 years		0.3 years

Number of lamps	100	Energy costs	0.34 €/kWh	Lamp cost/year	€ 4.65	Total costs/year/lamp	€ 57.51
Burning hours per year	8,760 hrs ³	Replacement cost/year/lamp	€ 0.44	Energy costs/year/lamp	€ 52.42		

Compared to a fluorescent tube, a new Philips MASTER LEDtube UE can reduce CO₂ emission by up to 2,285 kg over its lifetime⁴ — equivalent to the emission absorbed by more than 103 trees.⁵

Compared to a standard LED tube, a new Philips MASTER LEDtube UE can reduce CO₂ emission by up to 584 kg over its lifetime⁴ — equivalent to the emission absorbed by more than 26 trees.⁵

¹ All calculations are based on the Philips MASTER LEDtube UE EELA with the conditions specified in the table above.

² Standard LED tube refers to Philips CorePro LEDtube EM/mains Ultra Output operating on direct mains.

³ Energy use based on 24 burning hours per day, 365 days per year.

⁴ Calculation based on CO₂ gas emission of 0.42kg/kWh.

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

Order information

Product type	Power	Lumen output	Efficacy	Beam angle	CRI	Color temp.	Lifetime	EEL	EOC code
	W	lm	lm/W			K	hrs		8719514
MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	11.9	2,500	210	160°	80	4000	100,000	A	43166900
MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	17.6	3,700							43168300
MAS LEDtube 1200mm UE 13.5W 840 T8	13.5	2,500	185			6500	75,000	B	33972900
MAS LEDtube 1200mm UE 13.5W 865 T8									33974300
MAS LEDtube 1500mm UE 20W 840 T8	20	3,700				4000	6500		33976700
MAS LEDtube 1500mm UE 20W 865 T8									33978100
Coming soon:									8720169
New MAS LEDtube 1200mm UE 11.9W 865 T8 EELA	11.9	2,500	210	160°	80	6500	100,000	A	26959000
New MAS LEDtube 1500mm UE 17.6W 865 T8 EELA	17.6	3,700							26961300

MASTER LEDspot Ultra Efficient GU10



New:
Ultra-efficient
A-class LEDspot



Saves up to 50% in energy costs¹



Very long lifetime of 50,000 hours — more than 3 x longer¹



Less than three months payback time²



5-year warranty

Product highlights

The Philips MASTER LEDspot Ultra Efficient GU10 is a true breakthrough on the way to more sustainable lighting.

LED design

- Special LED design with compact size fit for small size spot lights
- High efficiency phosphor
- Best LED system integration design to enable highest driver and optical efficiency



Optics

- Special lens design to optimize light output efficiency

Driver

- Revolutionary driver design boosts energy efficiency, dramatically reducing power consumption

Thermal

- Excellent thermal management system for very long lifetime of up to 50,000 hours

Cost and CO₂ savings right from the start

When upgrading from halogen spots, your customers can expect a full return on investment in only 2.5 months. A typical small shop will save € 9,243 by replacing 100 halogen spots (50W) with ultra-efficient A-class GU10 LED spots.¹

	Standard LED spot ²	MASTER LEDspot UE ¹	Halogen spot	MASTER LEDspot UE ¹
Lifetime	15,000 hrs >	50,000 hrs	2,000 hrs >	50,000 hrs
Lamp wattage	4.6W >	2.1W	50W >	2.1W
Total savings/year		€ 504		€ 9,243
Payback period		2.5 years		0.2 years

Number of lamps	100	Energy costs	0.34 €/kWh	Lamp cost/year	€ 1.63	Total costs/year/lamp	€ 5.54
Burning hours per year	4,800 hrs ³	Replacement cost/year/lamp	€ 0.48	Energy costs/year/lamp	€ 3.43		

Compared to a halogen GU10, a new Philips MASTER LEDspot Ultra Efficient GU10 can reduce CO₂ emission by up to 999 kg over its lifetime⁴ — equivalent to the emission absorbed by more than 45 trees.⁵

Compared to a standard LED spot, a new Philips MASTER LEDspot Ultra Efficient GU10 can reduce CO₂ emission by up to 42.6 kg over its lifetime⁴ — equivalent to the emission absorbed by more than 2 trees.⁵

¹ All calculations are based on the Philips MASTER LEDspot UE EELA with the conditions specified in the table above.

² Standard LED spot refers to Philips LEDspot GU10 50W.

³ Energy use based on 16 burning hours per day, 300 days per year.

⁴ Calculation based on CO₂ gas emission 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	Cap	Power	Lumen output	Replaced wattage	MBCP	Color temp.	Beam angle	Lifetime	EEL	EOC code
		W	lm	W	cd	Kv		hrs		8719514
New MAS LEDspot UE 2.1-50W GU10 ND 827 EELA	GU10	2.1	375	50	680	2700	36	50,000	A	3634602
New MAS LEDspot UE 2.1-50W GU10 ND 830 EELA						3000				3610002
New MAS LEDspot UE 2.1-50W GU10 ND 840 EELA						4000				3610102
MAS LED spot UE 2.4-50W GU10 ND 830 EELB						900				42174500
MAS LED spot UE 2.4-50W GU10 ND 840 EELB						950				42178300
						4000				

¹ Philips MASTER LEDspot UE EELA compared to standard LED spots (Philips LEDspot GU10 50W)

² Philips MASTER LEDspot UE EELA compared to conventional halogen spots

MASTER LED SON-T Ultra Efficient



New:
Ultra-efficient
MASTER LED SON-T



Saves up to 60% in energy costs¹



Very long lifetime of 50,000 hours¹



22 months payback time¹



5-year warranty

Sustainability meets profitability

Welcome the first ultra-efficient LED SON-T lamps to replace conventional HID lamps. A solution that takes replacing conventional HID with high-efficiency, cost-saving LEDs to the next level. With a quick payback, these lamps offer all the benefits of LED lighting and provide immediate savings for a small investment. They offer the same lamp size and light distribution and can be easily retrofitted into existing SON-T lamps while providing a similar look and feel.

Product highlights

The Philips MASTER LED SON-T Ultra Efficient offers all the benefits of LED lighting — and more.

Finally on the market: ultra-efficient LED SON-T lamps to replace conventional HID



Impressive output: Maximum performance meets ultra-efficiency

Up to 9,000 lm output thanks to mega-filament

High efficiency GaN driver design

E27/E40 end caps

¹ Philips MASTER LED SON-T UE EELA compared to conventional HID lamps

Cost and CO₂ savings right from the start

When upgrading from conventional HID lamps, your customers can expect a full return on investment in only 1.8 years. A typical installation will save € 8,940 by replacing 100 units of 100W conventional HID lamps with 42.8W ultra-efficient A-class LED SON-T.¹

	Conventional HID	MASTER LED SON-T UE ¹
Lifetime	20,000 hrs	50,000 hrs
Lamp wattage	100W	42.8W
Total savings/year		€ 8,940
Payback period		1.8 years

Number of lamps	100	Energy costs	0.34 €/kWh	Lamp cost/year	€ 14.2	Total costs/year/lamp	€ 77.69
Burning hours per year	4,380 hrs ²	Replacement cost/year/lamp	€ 0.88	Energy costs/year/lamp	€ 62.80		

Compared to a conventional HID lamp, a new Philips MASTER LED SON-T UE can reduce CO₂ emission by up to 1,411 kg over its lifetime³ — equivalent to the emission absorbed by more than 64.1 trees.⁴

¹ All calculations are based on the Philips MASTER LED SON-T UE EELA with the conditions specified in the table above.

² Energy use based on 12 burning hours per day, 365 days per year.

³ Calculation based on CO₂ gas emission of 0.42 kg/kWh.

⁴ Based on multiple scientific literature, an average fully grown tree can absorb 22 kg CO₂ per year.

Order information

Product type	Power	Lumen output	Replaced wattage	CRI	Socket	Color temp.	Lifetime	EEL	EOC code
	W	lm	W			K	hrs		8719514
New MAS LED SON-T UE M 4Klm 19W 740 E27	19	4,000	50	70	E27	4000	50,000	A	03677202
New MAS LED SON-T UE M 6Klm 28.5W 740 E27	29	6,000	70		E27				03677402
New MAS LED SON-T UE M 9Klm 42.8W 740 E40	43	9,000	100		E40				03677602
New MAS LED SON-T UE M 3.6Klm 19W 727 E27	19	3,600	50		E27	2700		B	03677102
New MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	29	5,400	70						03677302
New MAS LED SON-T UE M 8Klm 40W 727 E40	43	8,000	100						E40



Signify, previously known as Philips Lighting, is the world leader in connected LED lighting systems, software and services. We proudly market the best lighting brands in the world, including Philips and Interact.

PHILIPS

The Philips brand stands for quality and energy-efficiency in light. For over 125 years, Philips products have been at the forefront of innovation. Today Philips is recognized as the leading brand in lighting.

interact

Interact is the brand of our IoT software and platform that manages smart lighting systems and the data that those systems collect. Smart, simple and scalable, Interact software can be used in a wide range of application areas, from small offices to entire cities.

**We aim to help you work faster, better, smoother.
How? Check:**

Brighter lives, better world

Signify is 100% carbon neutral since September 2020.
We recycle up to 90% of our manufacturing waste.
We use 100% renewable electricity.

Thank you for choosing Philips products offered by Signify and joining us on our mission!

You and Signify — a reliable partnership

Close cooperation before, during and after projects is important to us. Our loyal service teams make sure you always get the competent support and information you need.

We are closely working with local wholesalers to offer you flexible and on-time delivery – and product availability you can rely on to help you stay on top of your game the [Signify Lighting Academy](#) offers a comprehensive range of educational resources for you to grow your expertise and get certified.



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