

HALOGEN ECO lamps from OSRAM: a brilliant idea.



Something you can count on.

Savings from replacing an ordinary 60 W light bulb with a 42 W HALOGEN ECO:

Savings in kWh	36
Savings in € ¹	7.56
CO ₂ savings in kg ²	18
CO ₂ savings in trees ³	0.45 x

¹ For an electricity price of 0.21 €/kWh.

² For an energy mix of 0.5 kg CO₂/kWh.

³ Corresponding to the amount of CO₂ that one tree absorbs in a year (based on 1,000 hours of operation per year).

All figures relate to an average lamp life.

Good for you. Good for your customers. Good for the environment.

A complete range of energy-saving halogen lamps for the first time: HALOGEN ECO in low-voltage and mains-voltage versions.

Thanks to the new and innovative generation of halogen lamps from OSRAM high-quality light and energy savings are no longer mutually exclusive. HALOGEN ECO lamps provide light that is just as pretty as light from conventional halogen lamps – but with up to 30% lower power consumption, longer life and CO₂ savings.

The technology makes the difference: IRC plus xenon. HALOGEN ECO lamps use two innovative lamp technologies:

IRC reduces energy losses due to thermal radiation:

A special infrared coating on the inside of the bulb reflects the heat back to the filament. This means that less energy has to be supplied from outside to keep the filament at its operating temperature.

Xenon reduces heat losses through the filler gas:

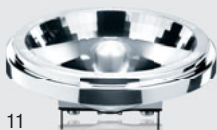
The inert gas xenon has low thermal conductivity. This reduces the heat loss of the tungsten filament via the filler gas, so less electrical energy is needed to heat the filament.

Clear benefits and brilliant arguments:

- Much lower thermal output enables luminaires with more compact dimensions to be designed.
- Existing luminaires can be directly upgraded.
- The range of luminaires can therefore be expanded and optimized.
- Sustainable eco-friendly products and marketing concepts are the latest trend.
- Most efficient light source (R_a 100) with excellent colour rendering.
- Because these new lamps have a much longer life than standard lamps, your customers can save up to 30% in energy and as much as 65% in costs.
- Active contribution to climate protection.



With its innovative and sustainable products and processes OSRAM has a long history of helping to protect the environment and meeting global challenges. We take a responsible approach to natural resources, avoid waste and develop durable eco-friendly products – such as HALOGEN ECO lamps. For more information go to www.osram.com/global-care.



In combination with HALOTRONIC® you get a 5 year guarantee on the ECG and 1 year guarantee on ECO lamps from OSRAM. For the registration form and the terms of the guarantee go to www.osram.com/system-guarantee. (After registering the system and under certain conditions of use)

MAINS VOLTAGE

		Savings in € ¹	CO ₂ savings in kg ² in t ³	
1	HALOLINE® ECO with R7s base			
	Standard HALOLINE®			
	HALOLINE® ECO			
	60 W → 48 W short	5.04	12.0	0.30
	100 W → 80 W short	8.40	20.0	0.50
	150 W → 120 W short/long	12.60	30.0	0.75
	200 W → 160 W long	16.80	40.0	1.00
	300 W → 230 W long	29.40	70.0	1.75
	500 W → 400 W long	42.00	100.0	2.50
2	OSRAM HALOPAR® ECO with GU10 base			
	Standard HALOPAR®			
	HALOPAR® ECO			
	35 W → 28 W	2.94	7.0	0.18
	50 W → 40 W	4.20	10.0	0.25
3	HALOPIN® ECO with G9 base			
	Standard HALOPIN®			
	HALOPIN® ECO			
	25 W → 20 W	2.10	5.0	0.13
	40 W → 33 W	2.94	7.0	0.18
	60 W → 48 W	5.04	12.0	0.30
	75 W → 60 W	6.30	15.0	0.38
4	HALOGEN ECO CLASSIC A with E27 base			
	Standard light bulb			
	HALOGEN ECO CLASSIC A			
	25 W → 18 W	2.94	7.0	0.18
	40 W → 28 W	5.04	12.0	0.30
	60 W → 42 W	7.56	18.0	0.45
	75 W → 52 W	9.66	23.0	0.58
	100 W → 70 W	12.60	30.0	0.75
	150 W → 105 W	18.90	45.0	1.13
5	HALOGEN ECO CLASSIC B + BW with E14 base			
	Standard light bulb			
	HALOGEN ECO CLASSIC B/BW (only 28 W)			
	25 W → 18 W	2.94	7.0	0.18
	40 W → 28 W	5.04	12.0	0.30
	60 W → 42 W	7.56	18.0	0.45
6	HALOGEN ECO CLASSIC P with E14/E27 base			
	Standard light bulb			
	HALOGEN ECO CLASSIC P			
	25 W → 18 W	2.94	7.0	0.18
	40 W → 28 W	5.04	12.0	0.30
	60 W → 42 W	7.56	18.0	0.45
7	HALOGEN ECO SPOT R50 with E14 base			
	Standard reflector lamp			
	HALOGEN ECO SPOT R50			
	40 W → 28 W	5.04	12.0	0.30
8	HALOGEN ECO SPOT R63 with E27 base			
	Standard reflector lamp			
	HALOGEN ECO SPOT R63			
	60 W → 42 W	7.56	18.0	0.45

LOW VOLTAGE

		Savings in € ¹	CO ₂ savings in kg ² in t ³	
9	DECOSTAR® ECO with GU5.3 base			
	Standard DECOSTAR®			
	DECOSTAR® ECO			
	20 W → 14 W	6.30	15.0	0.15
	35 W → 20 W	15.75	37.5	0.38
	50 W → 35 W	15.75	37.5	0.38
	65 W → 50 W	15.75	37.5	0.38
10	HALOSTAR® ECO with G4/GY6.35 base			
	Standard HALOSTAR®			
	HALOSTAR® ECO			
	20 W → 14 W/G4	5.04	12.0	0.15
	35 W → 25 W/GY6,35	8.40	20.0	0.25
	50 W → 35 W/GY6,35	12.60	30.0	0.38
	75 W → 50 W/GY6,35	21.00	50.0	0.63
	90 W → 60 W/GY6,35	25.20	60.0	0.75
11	HALOSPOT® 111 ECO with G53 base			
	Standard HALOSPOT® 111			
	HALOSPOT® 111 ECO			
	50 W → 35 W	12.60	30.0	0.38
	75 W → 50 W	21.00	50.0	0.63
	100 W → 60 W	33.60	80.0	1.00

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