

# Equivalent lamps by code

Incandescent 1.000 hrs lamps phased out on 1st Sept 2009		Replacement lamps	
<b>30% energy saving* and 2.000 hrs**</b>			
Standard 100W Clear E27 230V	35504171	EcoClassic30 70W E27 230V	25225525
Standard 40W Opal E27 230V	35489171	EcoClassic30 28W E27 230V	25277425
Standard 60W Opal E27 230V	35495271	EcoClassic30 42W E27 230V	25171525
Standard 75W Opal E27 230V	35501071	EcoClassic30 53W E27 230V	25172225
Standard 100W Opal E27 230V	35507271	EcoClassic30 70W E27 230V	25225525
Standard 40W Candle Opal E14 230V	02631671	EcoClassic30 28W E14 230V	25265125
<b>50% energy saving* and 3.000 hrs**</b>			
Standard 40W Opal E27 230V	35489171	MASTERClassic 20W E27 230V	20361515
Standard 40W Opal B22 230V	36357271	MASTERClassic 20W B22 240V	20362215
Standard 60W Opal E27 230V	35495271	MASTERClassic 30W E27 230V	20365315
Standard 60W Opal B22 230V	36378771	MASTERClassic 30W B22 240V	20366015
Standard 40W Candle Opal B22 230V	36420371	MASTERClassic 20W B22 240V	20379015
Standard 40W Candle Opal E14 230V	02631671	MASTERClassic 20W E14 230V	20378315
<b>80% energy saving* and 8.000 hrs**</b>			
Standard 100W Clear E27 230V	35504171	Tornado T3 20W E27 220-240V	21189310
		Genie 18W 827 E27 230-240V	80121010
		Softone ES 20W E27 230-240V	66259011
Standard 100W Clear B22 230V	35589871	Tornado T3 20W B22 220-240V	21190910
		Genie 18W 827 B22 230-240V	80125810
		Softone ES 20W B22 230-240V	66263711
Standard 40W Opal E27 230V	35489171	Tornado T2 8W E27 230-240V	21152710
		Genie 8W 827 E27 230-240V	80118010
		Softone ES 8W E27 230-240V	66256911
Standard 40W Opal B22 230V	36357271	Tornado T2 8W B22 220-240V	21153410
		Genie 8W 827 B22 230-240V	80122710
		Softone ES 8W B22 230-240V	66260611
Standard 60W Opal E27 230V	35495271	Tornado T2 12W E27 220-240V	21155810
		Genie 11W 827 E27 230-240V	80119710
		Softone ES 12W E27 230-240V	66257611
Standard 60W Opal B22 230V	36378771	Tornado T2 12W B22 220-240V	21156510
		Genie 11W 827 B22 230-240V	80123410
		Softone ES 12W B22 230-240V	66261311
Standard 75W Opal E27 230V	35501071	Tornado T3 15W E27 220-240V	21185510
		Genie 14W 827 E27 230-240V	80120310
Standard 75W Opal B22 230V	36359671	Tornado T3 15W B22 220-240V	21186210
		Genie 14W 827 B22 230-240V	80124110
Standard 100W Opal E27 230V	35507271	Tornado T3 20W E27 220-240V	21189310
		Genie 18W 827 E27 230-240V	80121010
		Softone ES 20W E27 230-240V	66259011
Standard 100W Opal B22 230V	36393071	Tornado T3 20W B22 220-240V	21190910
		Genie 18W 827 B22 230-240V	80125810
		Softone ES 20W B22 230-240V	66263711
Standard 25W Candle Opal E14 230V	02630971	Softone ES 5W E14 230-240V	21190011
Standard 40W Candle Opal B22 230V	36420371	Softone ES 8W B22 230-240V	66297211
Standard 40W Candle Opal E14 230V	02631671	Softone ES 8W E14 230-240V	26085411
Standard 60W Candle Opal E14 230V	02632371	Softone ES 12W E14 230-240V	66287311
Standard 25W Spherical E14 230V	36568271	Softone ES 8W E14 230-240V	21186311
Standard 25W Spherical B22 230V	36563771	Softone ES 8W B22 230-240V	21185611
<b>80% energy saving* and 15.000 hrs**</b>			
Standard 100W Clear E27 230V	35504171	MASTER PL-E 20W E27 230-240V	75143010
Standard 100W Clear B22 230V	35589871	MASTER PL-E 20W B22 230-240V	75206210
Standard 40W Opal E27 230V	35489171	MASTER PL-E 8W E27 230-240V	26358225
Standard 40W Opal B22 230V	36357271	MASTER PL-E 8W B22 230-240V	26363625
Standard 60W Opal E27 230V	35495271	MASTER PL-E 11W E27 230-240V	26368125
Standard 60W Opal B22 230V	36378771	MASTER PL-E 11W B22 230-240V	26375925
Standard 75W Opal E27 230V	35501071	MASTER PL-E 15W E27 230-240V	75142310
Standard 75W Opal B22 230V	36359671	MASTER PL-E 15W B22 230-240V	75205510
Standard 100W Opal E27 230V	35507271	MASTER PL-E 20W E27 230-240V	75143010
<b>80% energy saving* and 45.000 hrs**</b>			
Standard 25W Opal E27 230V	35489171	MASTER LED BULB MV 6W E27 A55 230V	85353700
Standard 40W Opal E27 230V	35495271	MASTER LED GLOW LED BULB MV 7W E27 A60 230V	85305600
GLS Candle Lustre Frosted 15W E14 230V	36568271	NOVALLURE LED LUSTRE MV Frosted 2W E14 230V	85295000
		NOVALLURE LED LUSTRE MV Frosted 2W E14 230V	85293600

\* Compared to a standard incandescent lamp  
\*\* Lifetime

## Schedule for the phasing out of high energy lamps\*

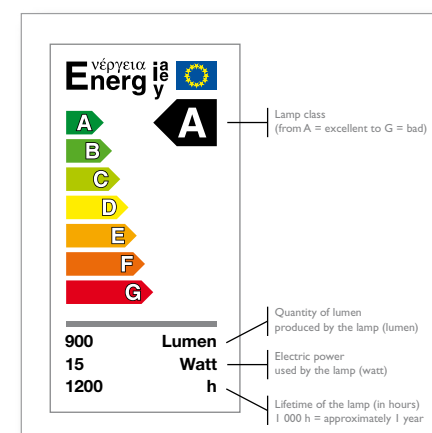
(By lamp energy efficiency class)

Phase	Lamps to be phased out
<b>1st Sept 2009</b>	- Non-clear incandescent and halogen lamps (opal, white, frosted etc...) - Compact fluorescent lamps in energy efficiency class B - Class F and G lamps - Clear incandescent lamps ≥ 100W - Halogen lamps ≥ 75W in classes D and E (excluding lamps with cap-base G9 and R7)
<b>1st Sept 2010</b>	- 75W clear incandescent lamps - 60W halogen lamps in classes D and E
<b>1st Sept 2011</b>	- 60W clear incandescent lamps - 40W halogen lamps in classes D and E
<b>1st Sept 2012</b>	- 25 and 40W clear incandescent lamps - 25W halogen lamps in classes D and E
<b>1st Sept 2013</b>	- Lamps with cap-bases S14, S15 and S19
<b>1st Sept 2016</b>	- Class C lamps (excluding lamps with capbases G9 and R7)

\*This information is provided for reference purposes only and is subject to change

### How to recognise energy efficiency classes

Lamp energy efficiency classes are defined in Annex IV of the 98/II/IEC Directive



I don't buy incandescent lamps any more... do you?

[www.philips.com/lighting](http://www.philips.com/lighting)



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sense and simplicity

# Uplamping made easy

The European Union, via the Environment Summit, has put forward an ambitious programme to phase out high energy lamps between 1st September 2009 and the end of 2016. Philips is actively supporting this programme by offering several alternative lamp technologies (compact fluorescents, halogens or LED, etc.) To keep you regularly informed of the latest news and various incandescent alternatives, visit our company website to help you find the most suitable replacement. [www.philips.com/lighting](http://www.philips.com/lighting)

## You will find there:

- the schedule for the phasing out of high energy lamps
- equivalent alternative lamps, by code and wattage

... Everything you need to replace incandescent lamps!

### LED lamps

#### Elegance meets efficiency

MASTER LED SPOT GU10 dimmable    MASTER LED BULB A55 dimmable    MASTER LED SPOT NR63 dimmable

NOVALLURE LED CANDLE (available September 2009)    NOVALLURE LED LUSTRE (available September 2009)

MASTER LED PAR 38 SPOT (available end of September 2009 in indoor and outdoor version)    MASTER LED SPOT MR16 2-step dimmable    MASTER LED PAR 30 SPOT (available September 2009)

- Up to 90% energy saving\*
- Very long lifetime: up to 45.000 hrs
- Constant warm light output

### Halogen lamps

#### MASTERClassic lamps

MASTERClassic Standard    MASTERClassic Candle

- 50% energy saving\*
- Consumes half as much energy\*
- Lifetime: 3.000 hrs
- The quality of halogen light

#### EcoClassic lamps

EcoClassic Standard    EcoClassic Candle    EcoClassic Reflector

- 30% energy saving\*
- Consumes 1.5 times less energy\*
- Lifetime: 2.000 hrs
- The quality of halogen light

### Compact fluorescent lamps

#### Residential solutions 8.000 hrs

Genie ESaver    Tornado ESaver & ESaver Dimmable    Softone Globe ESaver    Softone ESaver    Softone ESaver Candle

- 80% energy saving\*
- Consumes 5 times less energy\*
- Lifetime 8.000 hrs
- European energy efficiency label class A

#### Tertiary solutions 15.000 hrs

MASTER PL-E Automatic    MASTER PL-E Dimmable

- 80% energy saving\*
- Consumes 5 times less energy\*
- Long lifetime: 15.000 hrs
- European energy efficiency label: Class A

#### Reflector solutions From 6.000 to 10.000 hrs

PL-Electronic Reflector R50    PL-Electronic Reflector R80    PL-Electronic Reflector R60-63

PL-Electronic Reflector GUI10-R50    CFLI PAR 38 ESaver

- 80% energy saving\*
- Consumes 5 times less energy\*
- Lifetime: 6.000 to 10.000 hrs
- Emits light in a specific direction

#### from 10.000 to 12.000 hrs

MASTER Ambiance    PL-Electronic Globe    Exterior ESaver    SL-Electronic

- 80% energy saving\*
- Consumes 5 times less energy\*
- Lifetime: 10.000 to 12.000 hrs
- Good stable flux at all temperatures

“These days I would recommend eco-efficient lighting solutions”



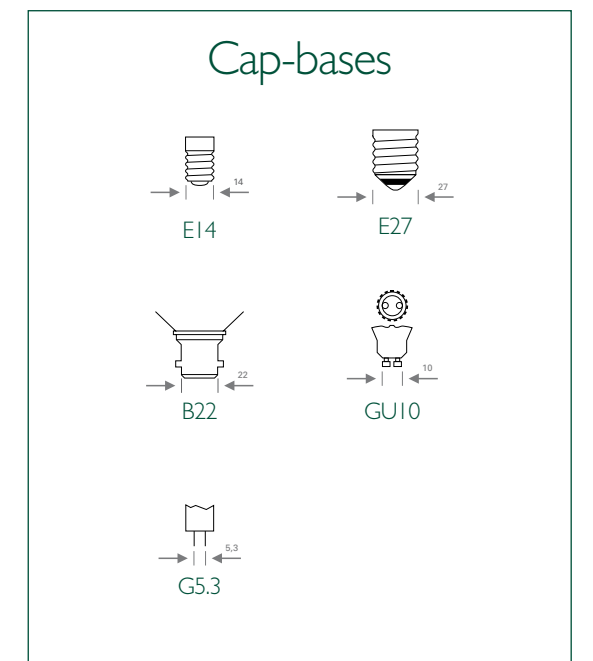
MASTER LED	Wattage	Lifetime (hrs)	Cap-bases	Lm/Cd	Beam (D)	Colour temp (K)	Remarks
NOVALLURE LED CANDLE MV	2W	20.000	E14	50 Lm		3.000	Clear and Frosted
NOVALLURE LED LUSTRE MV	2W	20.000	E14	50 Lm		3.000	Clear and Frosted
LED Spot MV	7W	45.000	GU10 & E27(NR63)	up to 800 Cd	25 & 40	2.700 3.000 4.200	Dimmable
LED Spot MV	3W	25.000	GU10	500 Cd	25	3.000	Perfect fit
LED PAR 30s SPOT MV	11W	45.000	E27	1.600 Cd	25	3.000	
LED PAR 38 SPOT MV	15W	45.000	E27	2.300 Cd	25	3.000	
LED PAR 38 SPOT MV	15W	25.000	E27	2.300 Cd	25	3.000	Outdoor
LED GLOW BULB MV	7W	45.000	E27(A60)	350 Lm	>250	2.700	Dimmable
LED BULB MV	6W	45.000	E27 (A55)	210 Lm		2.700	Dimmable
LED Spot LV	4W	45.000	GU5.3 (MR16)	up to 550 Cd	24	2.700 3.000	2 step dimmable

Eco-efficient lamps	Wattage	Flux lm	Different cap-bases			
			A60 Standard	B35 Candle	N50 Reflector	NR63 Reflector
			Clear	Clear		
EcoClassic - 2.000 hrs - Class C						
EcoClassic <sup>(1)</sup>	28W	340	E27	E14	E14	
EcoClassic	42W	630	E27			E27
EcoClassic	53W	850	E27			
EcoClassic	70W	1.200	E27			
EcoClassic	105W	2.100	E27			
EcoClassic	140W	2.800	E27/B22			
MASTERClassic - 3.000 hrs - Class B						
MASTERClassic	20W	370	E27/B22	E14/B22		
MASTERClassic	30W	620	E27/B22			

<sup>(1)</sup> Class D

Eco-efficient lamps	Wattage	Flux lm	Different cap-bases
Genie ESaver - 8.000 hrs - Class A			
Genie ESaver	5W	250	E14/E27
Genie ESaver	8W	420	E14/E27/B22
Genie ESaver	11W	600	E14/E27/B22
Genie ESaver	14W	810	E27/B22
Genie ESaver	18W	1.100	E27/B22
Tornado ESaver - 8.000 hrs - Class A			
Tornado ESaver	5W	300	E14/E27/B22
Tornado ESaver	8W	500	E14/E27/B22
Tornado ESaver	12W	725	E14/E27/B22
Tornado ESaver	15W	1.000	E27/B22
Tornado ESaver	20W	1.350	E27/B22
Tornado ESaver	23W	1.550	E27/B22

Eco-efficient lamps	Wattage	Flux lm	Different cap-bases		
MASTER PL-Electronic - 15.000 hrs - Class A					
MASTER PL-Electronic	5W	230	E14/E27		
MASTER PL-Electronic	8W	400	E14/E27/B22		
MASTER PL-Electronic	11W	600	E14/E27/B22		
MASTER PL-Electronic	15W	1.875	E27/B22		
MASTER PL-Electronic	20W	1.200	E27/B22		
MASTER PL-Electronic	23W	1.500	E27/B22		
MASTER PL-Electronic	27W	1.800	E27		
MASTER PL-Electronic	33W	2.250	E27		
Softone ESaver - 8.000 hrs - Class A					
Softone ESaver	5W	340	T45	T60/65	Candle
Softone ESaver	8W	630	E14/E27/B22	E27/B22	E14
Softone ESaver	12W	850	E14/E27/B22	E27/B22	E14
Softone ESaver	20W	2.100	E14/E27/B22	E27/B22	E14



\* Compared to a standard incandescent lamp