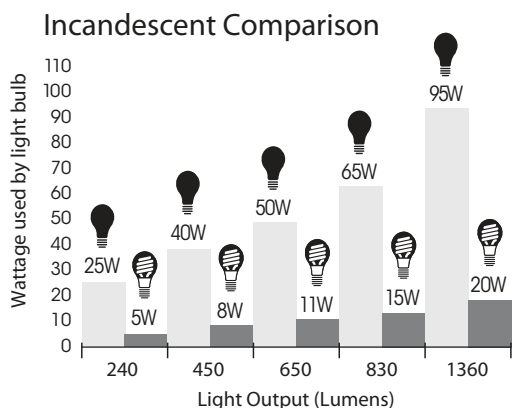
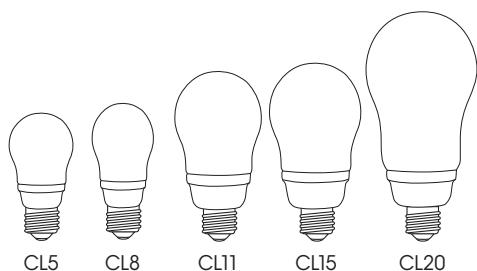


Traditional Shapes: A-Lamp

Features:

1. High Efficiency energy saver
2. Long Lifetime, 10 000 hours average rated life
3. Compact Dimensions
4. EUP Compliant
5. Available in colour temperature 2700K



Specifications: (at full bright light)

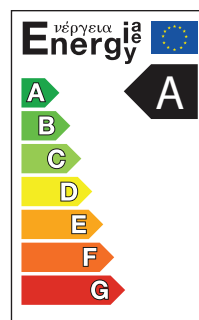
End of life protection	Yes
Ballast type	Electronic
Starting mode	Rapid start
Input line voltage	220-240V
Input line frequency	50-60Hz
Rated lamp life	10 000 hours
Colour temperature	2700K
Colour Rendering Index	>80
Min. Starting Temperature	- 20°C
Max. Operating Temperature	+ 45°C
CE Compliance	Yes
EMI Compliance	EN55015
Energy Grade	A
Lamp operating frequency	42 kHz
Lamp current crest factor	< 1.8
Total Harmonic Distortion	< 150 kHz
Power Factor	> 0.55
Mercury content	< 2.0 mg

Order code	Description	Watts (energy used)	Base type	Lumens (light output)	Life (hours)	Colour temp (°K)	CRI	MOL (mm)	Max diameter (mm)	Weight (g)
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A-LAMPS

CL5E14	5W A-LAMP E14	5	E14	240	10 000	2700	82	101	44	45
CL5E27	5W A-LAMP E27	5	E27	240	10 000	2700	82	101	44	47
CL5B22	5W A-LAMP B22	5	B22	240	10 000	2700	82	100	44	49
CL8E14	8W A-LAMP E14	8	E14	450	10 000	2700	82	107	49	55
CL8E27	8W A-LAMP E27	8	E27	450	10 000	2700	82	102	49	58
CL8B22	8W A-LAMP B22	8	B22	450	10 000	2700	82	102	49	61
CL11E14	11W A-LAMP E14	11	E14	650	10 000	2700	82	118	60	70
CL11E27	11W A-LAMP E27	11	E27	650	10 000	2700	82	118	60	72
CL11B22	11W A-LAMP B22	11	B22	650	10 000	2700	82	117	60	73
CL15E27	15W A-LAMP E27	15	E27	830	10 000	2700	82	120	61	84
CL15B22	15W A-LAMP B22	15	B22	830	10 000	2700	82	119	61	86
CL20E27	20W A-LAMP E27	20	E27	1360	10 000	2700	82	152	70	114
CL20B22	20W A-LAMP B22	20	B22	1360	10 000	2700	82	151	70	117

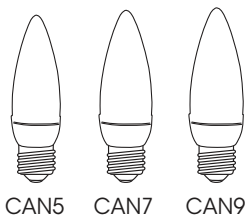
Certifications:



Traditional Shapes: Candle

Features:

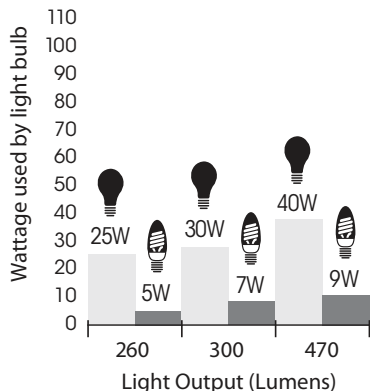
1. High Efficiency energy saver
2. Long Lifetime, 10 000 hours average rated life
3. Compact Dimensions
4. EUP Compliant
5. Available in colour temperature 2700K



Specifications: (at full bright light)

End of life protection	Yes
Ballast type	Electronic
Starting mode	Rapid start
Input line voltage	220-240V
Input line frequency	50-60Hz
Rated lamp life	10 000 hours
Colour temperature	2700K
Colour Rendering Index	>80
Min. Starting Temperature	- 20°C
Max. Operating Temperature	+ 45°C
CE Compliance	Yes
EMI Compliance	EN55015
Energy Grade	A
Lamp operating frequency	42 kHz
Lamp current crest factor	< 1.8
Total Harmonic Distortion	< 150 kHz
Power Factor	> 0.55
Mercury content	< 2.0 mg

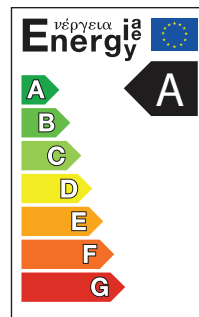
Incandescent Comparison



Order code	Description	Watts (energy used)	Base type	Lumens (light output)	Life (hours)	Colour temp (°k)	CRI	MOL (mm)	Max diameter (mm)	Weight (g)
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CANDLES										
CAN5E14	5W CANDLE E14	5	E14	260	10 000	2700	82	113	36	48
CAN5E27	5W CANDLE E27	5	E27	260	10 000	2700	82	111	36	50
CAN5B22	5W CANDLE B22	5	B22	260	10 000	2700	82	111	36	55
CAN7E14	7W CANDLE E14	7	E14	300	10 000	2700	82	115	41	51
CAN7E27	7W CANDLE E27	7	E27	300	10 000	2700	82	113	41	52
CAN7B22	7W CANDLE B22	7	B22	300	10 000	2700	82	113	41	57
CAN9E14	9W CANDLE E14	9	E14	470	10 000	2700	82	120	43	60
CAN9E27	9W CANDLE E27	9	E27	470	10 000	2700	82	118	43	63
CAN9B22	9W CANDLE B22	9	B22	470	10 000	2700	82	118	43	67

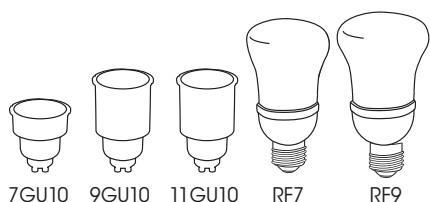
Certifications:



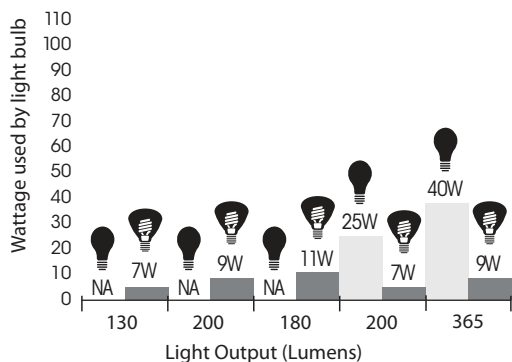
Traditional Shapes: Reflectors

Features:

1. High Efficiency energy saver
2. Long Lifetime, 10 000 hours average rated life
3. Compact Dimensions
4. EUP Compliant
5. Available in colour temperature 2700K



Incandescent Comparison



Specifications: (at full bright light)

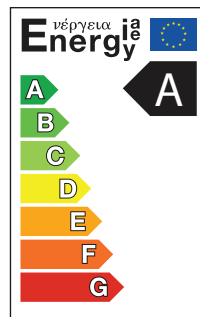
End of life protection	Yes
Ballast type	Electronic
Starting mode	Rapid start
Input line voltage	220-240V
Input line frequency	50-60Hz
Rated lamp life	10 000 hours
Colour temperature	2700K
Colour Rendering Index	>80
Min. Starting Temperature	- 20°C
Max. Operating Temperature	+ 45°C
CE Compliance	Yes
EMI Compliance	EN55015
Energy Grade	A
Lamp operating frequency	42 kHz
Lamp current crest factor	< 1.8
Total Harmonic Distortion	< 150 kHz
Power Factor	> 0.55
Mercury content	< 2.0 mg

Order code	Description	Watts (energy used)	Base type	Lumens (light output)	Life (hours)	Colour temp (°k)	CRI	MOL (mm)	Max diameter (mm)	Weight (g)
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REFLECTORS

7GU10	7W REFLECTOR R50 GU10	7	GU10	130	10 000	2700	82	61	50	47
11GU10	11W REFLECTOR R50 GU10	11	GU10	200	10 000	2700	82	78	50	58
RF7E14	7W REFLECTOR R50 E14	7	E14	200	10 000	2700	82	108	50	55
RF7E27	7W REFLECTOR R50 E27	7	E27	200	10 000	2700	82	108	50	59
RF7B22	7W REFLECTOR R50 B22	7	B22	200	10 000	2700	82	107	50	62
RF9E14	9W REFLECTOR R63 E14	9	E14	365	10 000	2700	82	112	64	64
RF9E27	9W REFLECTOR R63 E27	9	E27	365	10 000	2700	82	112	64	68
RF9B22	9W REFLECTOR R63 B22	9	B22	365	10 000	2700	82	111	64	69

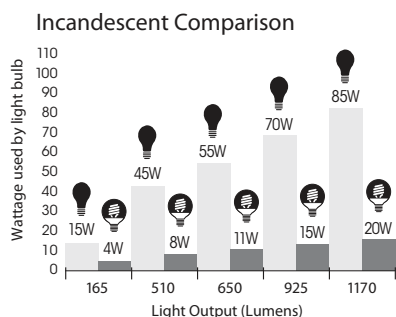
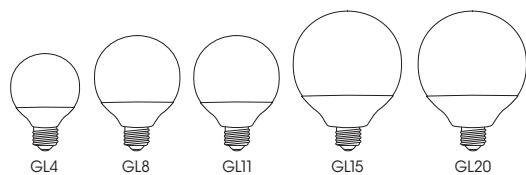
Certifications:



Traditional Shapes: Globes

Features:

1. High Efficiency energy saver
2. Long Lifetime, 10 000 hours average rated life
3. Compact Dimensions
4. EUP Compliant
5. Available in colour temperature 2700K



Specifications: (at full bright light)

End of life protection	Yes
Ballast type	Electronic
Starting mode	Rapid start
Input line voltage	220-240V
Input line frequency	50-60Hz
Rated lamp life	10 000 hours
Colour temperature	2700K
Colour Rendering Index	>80
Min. Starting Temperature	- 20°C
Max. Operating Temperature	+ 45°C
CE Compliance	Yes
EMI Compliance	EN55015
Energy Grade	A
Lamp operating frequency	42 kHz
Lamp current crest factor	< 1.8
Total Harmonic Distortion	< 150 kHz
Power Factor	> 0.55
Mercury content	< 2.0 mg

Order code	Description	Watts (energy used)	Base type	Lumens (light output)	Life (hours)	Colour temp (°k)	CRI	MOL (mm)	Max diameter (mm)	Weight (g)
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GLOBES

GL4E14	4W GLOBE E14	4	E14	165	10 000	2700	82	89	64	55
GL4E27	4W GLOBE E27	4	E27	165	10 000	2700	82	92	64	59
GL4B22	4W GLOBE B22	4	B22	165	10 000	2700	82	92	64	61
GL8E14	8W GLOBE E14	8	E14	510	10 000	2700	82	112	79	63
GL8E27	8W GLOBE E27	8	E27	510	10 000	2700	82	111	79	67
GL8B22	8W GLOBE B22	8	B22	510	10 000	2700	82	111	79	70
GL11E14	11W GLOBE E14	11	E14	650	10 000	2700	82	112	79	66

Certifications:

