

LampSava®

The 1st Safe Energy Saving Lamp



Why use the AE LampSava®?

The energy saving lamp is a good example of advanced technology being used to solve present day energy problems. Alpha Emptor® (AE) has been working with the leaders in this technology for over 2 years.

With some technical advances come certain disadvantages. The glass tube of an energy saving lamp is fragile. It is easy to break when inserting or removing the lamp fittings. Users and government agencies are concerned with the mercury loss that contaminates the area and is hazardous to health. There are also concerns about the emissions of ultra violet (UV). High UV exposure can cause a number of skin complaints or even burning.

The purpose of the LampSava® is to remove most of the disadvantages associated with the use of energy saving lamps.

LampSava® eliminates these problems in three ways:

1. The lamp tubes are sealed above and below the connectors with a specially developed sealer. In the event of a lamp tube breaking, no mercury can leak pass the connectors.
2. The area above the connectors is then sealed with a Patented High Impact Plastic Cover (HIPC). This HIPC is treated with an agent that reduces the UV emissions within 30cm by 66%¹ at 220V, and 84%¹ at 240V.
3. The structure of the HIPC gives a 430%¹ increase in handling strength to the lamp tube when fitting or removing the LampSava® from fittings.

The LampSava® provides four main benefits to the user:

- a) Eliminates the accidental breaking of the lamp tube and consequential mercury contamination of the area;
- b) The sealed system allows for safe disposal at recycling centre's;
- c) Significant reductions in UV emissions enable the LampSava® to be used safely at any working distance for long periods of time;
- d) Substantially reduce the loss of investment as a result of accidental breakage.

¹ Emtek Laboratories Structural and UV Test, 2nd April 2009.



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ASIA SALES OFFICE

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LampSava® facts and advantages:



1. LampSava® uses compact fluorescent (CFL) and cold cathode fluorescent light technology (CCFL).
2. LampSava® is able to produce light using a fraction of the electricity usually needed to light the old-fashioned filament incandescent bulbs; and therefore energy bills can be reduced by up to 85% a year by switching the CCFL LampSava®.
3. LampSava® works in the same way as fluorescent lights. An electric current passes through gas in a tube, making the tube's coating glow brightly. Traditional light bulbs waste a lot of their energy by turning it into heat.
4. In most homes, lighting accounts for around 20 per cent of an electricity bill. Traditional light bulbs waste a lot of their energy by turning it into heat.
5. LampSava® CCFL also lasts a lot longer - on average up to 20 times longer, CFL lamps last up to 10 times longer than ordinary light bulbs.
6. LampSava® helps the environment by demanding less energy from the power stations.

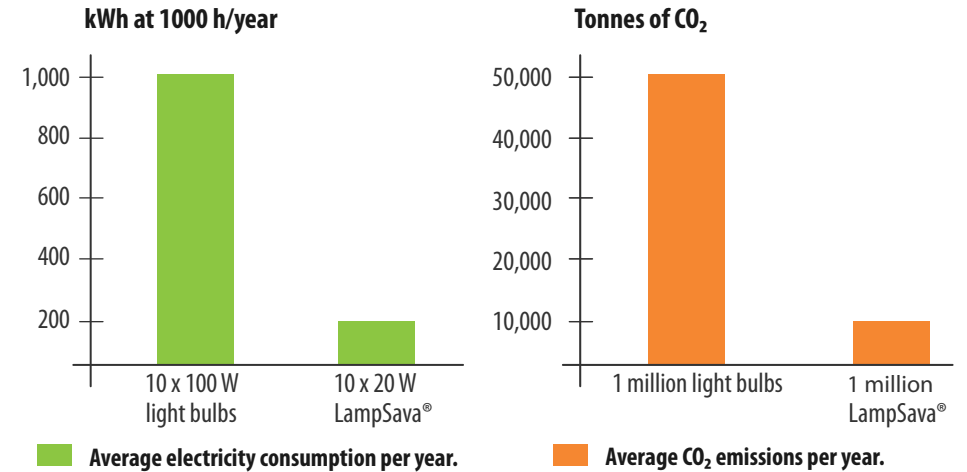
LampSava® Certification:

LampSava® is CE, UL, CCC, SA safety certified and RoHS compliant. Built to the highest of standards in design and manufacture with quality tested components.



LampSava® Saves Electricity and Reduces CO₂:

LampSava CFL and CCFL energy-saving lamps combat the greenhouse effect. With every single CFL and CCFL that you use, you can reduce CO₂ emissions by up to 0.5 tonnes (during the lamp's lifetime).



LampSava® Applications:

CFL and CCFL LampSava's are modern and innovative. The LampSava can be used in the home and for varied, creative yet value-for-money lighting design in practically all areas of application.

LampSava® - A Truly Excellent Product:

Responsible handling of resources and sustainable protection of the environment are AE's top priority. Therefore as far as development and manufacturing are concerned, we do not think short-term but have long-term horizons.

This is evident in the quality of the components and materials used; the safety; functional design; longevity; and also fully recyclable.



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CFL Lamp Specifications:

DESCRIPTION	5W	7W	9W
Input Voltage Range:	120 / 230VAC	120 / 230VAC	120 / 230VAC
Input Frequency:	50 - 60Hz	50 - 60Hz	50 - 60Hz
Life Cycle (hours):	10,000*	10,000*	10,000*
Ambient Working Temperature:	-10°C to 70°C	-10°C to 70°C	-10°C to 70°C
Color Temperature:	2700K - 6500K	2700K - 6500K	2700K - 6500K
Power Factor:	≥ 0.6	≥ 0.6	≥ 0.6
Type:	Spiral	Spiral	Spiral
Rated Lumens:	300	420	540
THD (Total Harmonics Distortion):	< 140%	< 140%	< 140%
CF:	< 1.7	< 1.7	< 1.7
CRI (Color Rendering Index):	≥ 82	≥ 82	≥ 82
Colour Oval:	≤ 5 SDCM	≤ 5 SDCM	≤ 5 SDCM
Spiral Sizes:	Ø 9mm	Ø 9mm	Ø 9mm
Base:	E27	E27	E27

*Suitable for dimmer or electronic switches or remote controls.
Suitable for enclosed downlight.*

DESCRIPTION	11W	15W	18W
Input Voltage Range:	120 / 230VAC	120 / 230VAC	120 / 230VAC
Input Frequency:	50 - 60Hz	50 - 60Hz	50 - 60Hz
Life Cycle (hours):	10,000*	10,000*	10,000*
Ambient Working Temperature:	-10°C to 70°C	-10°C to 70°C	-10°C to 70°C
Color Temperature:	2700K - 6500K	2700K - 6500K	2700K - 6500K
Power Factor:	≥ 0.6	≥ 0.6	≥ 0.6
Type:	Spiral	Spiral	Spiral
Rated Lumens:	660	950	1100
THD (Total Harmonics Distortion):	< 140%	< 140%	< 140%
CF:	< 1.7	< 1.7	< 1.7
CRI (Color Rendering Index):	≥ 82	≥ 82	≥ 82
Colour Oval:	≤ 5 SDCM	≤ 5 SDCM	≤ 5 SDCM
Spiral Sizes:	Ø 9mm	Ø 9mm	Ø 9mm
Base:	E27	E27	E27

*Suitable for dimmer or electronic switches or remote controls.
Suitable for enclosed downlight.*

*Switching cycle: 90minutes on, 15 minutes off.

DESCRIPTION	20W	26W	29W
Input Voltage Range:	120 / 230VAC	120 / 230VAC	120 / 230VAC
Input Frequency:	50 - 60Hz	50 - 60Hz	50 - 60Hz
Life Cycle (hours):	10,000*	10,000*	10,000*
Ambient Working Temperature:	-10°C to 70°C	-10°C to 70°C	-10°C to 70°C
Color Temperature:	2700K - 6500K	2700K - 6500K	2700K - 6500K
Power Factor:	≥ 0.75	≥ 0.75	≥ 0.75
Type:	Spiral	Spiral	Spiral
Rated Lumens:	1240	1612	1798
THD (Total Harmonics Distortion):	< 140%	< 140%	< 140%
CF:	< 1.7	< 1.7	< 1.7
CRI (Color Rendering Index):	≥ 82	≥ 82	≥ 82
Colour Oval:	≤ 5 SDCM	≤ 5 SDCM	≤ 5 SDCM
Spiral Sizes:	Ø 12mm	Ø 12mm	Ø 12mm
Base:	E26, E27, B22	E26, E27, B22	E26, E27, B22

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DESCRIPTION	38W	42W	50W
Input Voltage Range:	120 / 230VAC	120 / 230VAC	120 / 230VAC
Input Frequency:	50 - 60Hz	50 - 60Hz	50 - 60Hz
Life Cycle (hours):	10,000*	10,000*	10,000*
Ambient Working Temperature:	-10°C to 70°C	-10°C to 70°C	-10°C to 70°C
Color Temperature:	2700K - 6500K	2700K - 6500K	2700K - 6500K
Power Factor:	≥ 0.80	≥ 0.80	≥ 0.80
Type:	Spiral	Spiral	Spiral
Rated Lumens:	2470	2730	3250
THD (Total Harmonics Distortion):	< 140%	< 140%	< 140%
CF:	< 1.7	< 1.7	< 1.7
CRI (Color Rendering Index):	≥ 82	≥ 82	≥ 82
Colour Oval:	≤ 5 SDCM	≤ 5 SDCM	≤ 5 SDCM
Spiral Sizes:	Ø 12mm	Ø 16.5mm	Ø 16.5mm
Base:	E26, E27, B22	E26, E27, E40, B22	E26, E27, E40, B22

*Suitable for dimmer or electronic switches or remote controls.
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*Switching cycle: 90minutes on, 15 minutes off.



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CFL Lamp Specifications:

DESCRIPTION	55W	65W	75W
Input Voltage Range:	120 / 230VAC	120 / 230VAC	120 / 230VAC
Input Frequency:	50 - 60Hz	50 - 60Hz	50 - 60Hz
Life Cycle (hours):	10,000*	10,000*	10,000*
Ambient Working Temperature:	-10°C to 70°C	-10°C to 70°C	-10°C to 70°C
Color Temperature:	2700K - 6500K	2700K - 6500K	2700K - 6500K
Power Factor:	≥ 0.80	≥ 0.80	≥ 0.85
Type:	Spiral	Spiral	Spiral
Rated Lumens:	3575	4225	5100
THD (Total Harmonics Distortion):	< 140%	< 140%	< 140%
CF:	< 1.7	< 1.7	< 1.7
CRI (Color Rendering Index):	≥ 82	≥ 82	≥ 82
Colour Oval:	≤ 5 SDCM	≤ 5 SDCM	≤ 5 SDCM
Spiral Sizes:	Ø 16.5mm	Ø 18mm	Ø 18mm
Base:	E26,E27,E40,B22	E26,E27,E40,B22	E26,E27,E40,B22

*Suitable for dimmer or electronic switches or remote controls.
Suitable for enclosed downlight.*

DESCRIPTION	85W	95W	110W
Input Voltage Range:	120 / 230VAC	120 / 230VAC	120 / 230VAC
Input Frequency:	50 - 60Hz	50 - 60Hz	50 - 60Hz
Life Cycle (hours):	10,000*	10,000*	10,000*
Ambient Working Temperature:	-10°C to 70°C	-10°C to 70°C	-10°C to 70°C
Color Temperature:	2700K - 6500K	2700K - 6500K	2700K - 6500K
Power Factor:	≥ 0.85	≥ 0.85	≥ 0.85
Type:	Spiral	Spiral	Spiral
Rated Lumens:	5780	6460	7480
THD (Total Harmonics Distortion):	< 140%	< 140%	< 140%
CF:	< 1.7	< 1.7	< 1.7
CRI (Color Rendering Index):	≥ 82	≥ 82	≥ 82
Colour Oval:	≤ 5 SDCM	≤ 5 SDCM	≤ 5 SDCM
Spiral Sizes:	Ø 18mm	Ø 18mm	Ø 18mm
Base:	E26,E27,E40,B22	E26,E27,E40,B22	E26,E27,E40,B22

*Suitable for dimmer or electronic switches or remote controls.
Suitable for enclosed downlight.*

*Switching cycle: 90minutes on, 15 minutes off.

CCFL Lamp Specifications:

DESCRIPTION	7W	9W	11W
Input Voltage Range:	120 / 230VAC	120 / 230VAC	120 / 230VAC
Input Frequency:	50 - 60Hz	50 - 60Hz	50 - 60Hz
Life Cycle (hours):	25,000*	25,000*	25,000*
Ambient Working Temperature:	-10°C to 50°C	-10°C to 70°C	-10°C to 70°C
Color Temperature:	2700K - 6500K	2700K - 6500K	2700K - 6500K
Power Factor:	≥ 0.9	≥ 0.9	≥ 0.9
Type:	Spiral	Spiral	Spiral
Rated Lumens:	450	550	700
THD (Total Harmonics Distortion):	< 0.3	< 0.3	< 0.3
CF:	< 1.7	< 1.7	< 1.7
CRI (Color Rendering Index):	≥ 82	≥ 82	≥ 82
Colour Oval:	≤ 5 SDCM	≤ 5 SDCM	≤ 5 SDCM
Spiral Sizes:	Ø 3.5mm	Ø 3.5mm	Ø 3.5mm
Base:	E27	E27	E27
Dimmable	Yes	Yes	Yes

*Suitable for dimmer or electronic switches or remote controls.
Suitable for enclosed downlight.*

*Switching cycle: 90minutes on, 15 minutes off.

Packaging Details: (Example for 9W CFL Lamp Packaging)

- Unit weight with gift box: 104 grams
- Gift box dimensions: 60 mm (L) X 60 mm (W) X 165 mm (H)
- Exact carton dimensions: 315 mm (L) X 315 mm (W) X 345 mm (H)
- Quantity per carton: 50 Units
- Weight of packed carton: 6.2 Kg
- Pallet dimensions: 1400 mm (L) x 1100 mm (W) x 120 mm (H)
- No. of carton per 20 ft. : 768 Cartons
- No. of carton per 40 ft. : 1536 Cartons

Delivery Terms:

- Standard delivery to most destinations 30-70 days of irrevocable and confirmed order.
- Expedite delivery (at 10% surcharge) to most destination within 20 days of irrevocable and confirmed order.

Payment Terms: FOB Shenzhen, 50% with Purchase Order, balance upon successful inspection.

MOQ: CFL - 5000 pcs. (5W to 15W), 3000 pcs. (20W to 42W)
CCFL - 2000 pcs. (5W to 11W)



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