

Description: Xinelaan LED bulb, using a unique design, No Visible Flicker - No Invisible or Imperceptible Flicker* to protect your eyes. Completely in accord with the connotation of green lighting, contains highly efficient energy-saving, environmental protection, safety, comfort, long-life. Specifically optimized design for solve the problem of Invisible or Imperceptible Flicker, Protect your eyes - No flicker



Features:

1. Unique optimized design, No flicker - Caring for your eyes
2. Security, 100% high-pressure test, the top international power design that ensure the requirements of the safety for all countries
3. High efficiency, luminous efficiency of more than 90Lm / W
4. The international top capacitors guarantee the long life, Compare to the ordinary electrolytic capacitor, the life is 10 times longer.
5. Real longlife: ≥ 36000 hours
6. Warranty: 3 years

Scope of application:

Apply to corridors, toilets, stairs Road, kitchen and other home lighting, And other energy-saving fluorescent lamps and incandescent lamp replacement.



Electronical Specifications:

Input: AC90~265V 50/60Hz

Power: 3W, 4W, 5W, 7W, 9W, 12W, 18W, 28W

Viewing angle: 120° luminous efficiency: ≥ 90 Lm / W

CRI: Ra >75 (Selectable Ra >85)

Available colors: Warm White 2700~3200K,

Neutral White 4200~4700K, Cool white 6000~6500K

Mechanical Specifications:

Main Material: PBT plastic parts, aluminum radiator, Diffusion PC lampshade, high light LED, isolation constant current power supply, Nickel-plated copper lamp holders

Dimensions: see table below

Temperature: -20°C~40°C Storage Temperature -20°C~50°C



How to identify Invisible or Imperceptible Flicker:

The easiest way is: take out your camera or mobile phone with a camera function, close-up shots lamp light source, less than 30cm (high brightness point light source is required to use the lampshade diffusion cover), flicker the lamps will show blinds or appear regularly stripes; the no flicker lamps like a blank sheet of paper, not streaks.

The Invisible or Imperceptible flicker, can also affect human health, such as: The effects can range from headache to the decreased visual performance to non-specific malaise to the onset of some forms of epilepsy. [IEEE P1789](http://www.ieee.org/publications_standards/publications_standards_content.do?ref=ref_p1789)

XEL-Axx series commonly used size data sheet:

MODEL Lamp Base Power	Diameter Weight	Luminous flux Lm	Temperature rise	Rated life Hours	TRIAC dimming	Input Power Factor	Illuminance Equivalent incandescent	Comment
XEL-A40 E26/E27 4W	Φ60mm H:108mm 100g	320Lm	<25 °C	36000	No	AC 90~265V PF >0.5	40W	No flicker
XEL-A35 led Crystal bulb E14 3W	Φ35mm H:118mm 50g	240Lm	<25 °C	40000	No	AC 90~265V PF >0.5	30W	No flicker
XEL-A35-TL pull tail led Crystal bulb E14 3W	Φ35mm H:138mm 50g	240Lm	<25 °C	40000	No	AC 90~265V PF >0.5	30W	No flicker
XEL-A38 led Crystal bulb E14 3W	Φ38mm H:106mm 50g	200Lm	<25 °C	40000	No	AC 90~265V PF >0.5	30W	No flicker
XEL-A54B E26/E27 5W	Φ54mm H:100mm 95g	500Lm	<26 °C	40000	No	AC 90~265V PF >0.5	50W	No flicker
XEL-A60B E26/E27 5W	Φ60mm H:107mm	500Lm	<20 °C	50000	No	AC 90~265V PF >0.5	50W	No flicker
XEL-A60B E26/E27 7W	118g	660Lm	<30 °C	36000	No	AC 90~265V PF >0.5	70W	No flicker
XEL-A60C E26/E27 7W	Φ60mm H:122mm 138g	660Lm	<25 °C	42000	No	AC 90~265V PF >0.5	70W	No flicker
XEL-A66 E26/E27 9W	Φ66mm H:130mm	810Lm	<25 °C	40000	Yes	AC90~135 AC 175~265	90W	No flicker
XEL-A66 E26/E27 12W	180g	1080Lm	<35 °C	30000	Yes	PF >0.9	120W	No flicker
XEL-A95B E26/E27 12W	Φ95mm H:148mm 310g	1080Lm	<26 °C	40000	Yes	AC90~135 AC 175~265 PF >0.9	120W	No flicker
XEL-A100 E26/E27 18W	Φ100mm H:150mm 260g	1620Lm	<26 °C	40000	Yes	AC90~135 AC 175~265 PF >0.9	180W	No flicker
XEL-A125 E26/E27 26W	Φ125mm H:188mm 500g	2350Lm	<26 °C	40000	Yes	AC90~135 AC 175~265 PF >0.9	260W	

The above table data testing at room temperature is 25 °C, test voltage AC230V 50Hz; LED color temperature 6000-6500K, CRI: > 75

Tolerance range for optical and electrical data: ±10 %.

Note: Warm White 2700~3200K, Neutral White 4200~4700K, brightness is reduced by 5%. If the selected CRI 85, 10% decrease in brightness.

※Rated life: 70%Lumen maintenance at Ta25° C



XEL-A35-TL E14 3W



XEL-A38 E14 3W



XEL-A35 E14 3W



XEL-A40 E26/E27 4W



XEL-A60B E26/E27 5W



XEL-A54B E26/E27 5W



XEL-A60C E26/E27 7W



XEL-A66 E26/E27 9W



XEL-A95B E26/E27 12W



XEL-A100 E26/E27 18W



XEL-A125 E26/E27 26W

1. No flicker - Now marketed lighting , 90% with Invisible or Imperceptible Flicker hazards.



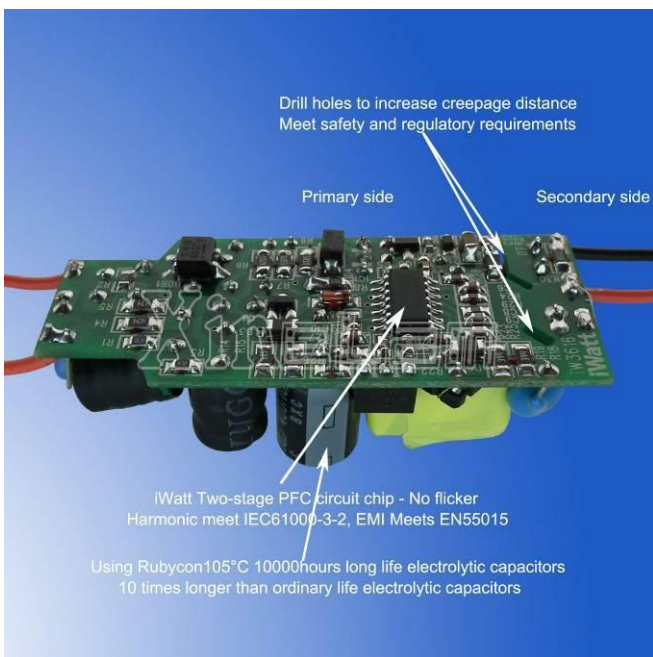
100% No flicker
Protect your eyes

VS



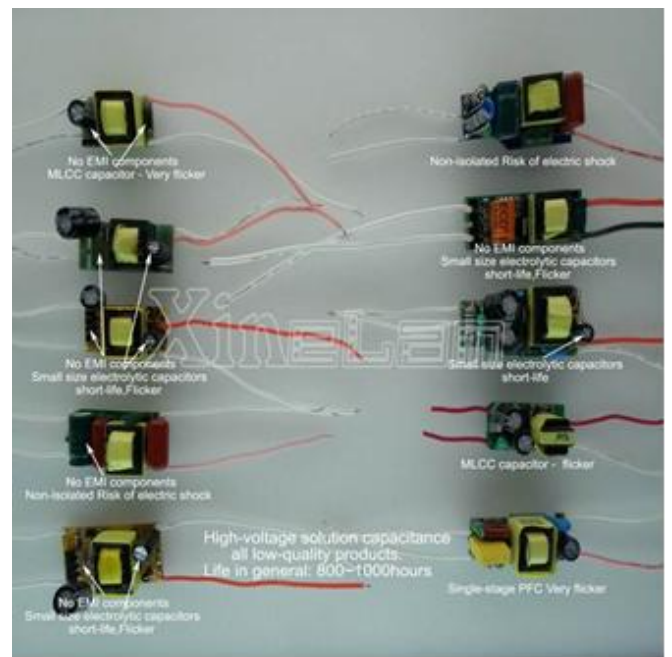
Invisible or Imperceptible flicker
May cause headaches, eyestrain, myopia !

2. Capacitance of the top international long life, the life expectancy is 10 times the ordinary electrolytic capacitor.



Using Rubycon105°C long life electrolytic capacitors of
8000~10000 hours, 10 times longer than ordinary life
electrolytic capacitors.

VS



Ordinary electrolytic capacitor life is 800 ~ 1000 hours

3. The world famous PI power chip Or iWatt digital power chip; Ensure that the products comply with safety regulations!



VS



Meets IEC 61000; Meets IEC EN5515B
Extended creepage distance for High voltage test
Meet "Safety and Regulations" requirements
Panasonic polymer capacitor No flicker

Not enough creepage distance, does not comply with safety regulations, the risk of electric shock
Without EMI components, Not EMI and EMS test
MLCC capacitor , low price, flicker

Note:

1. Cut off the power before installation to ensure the switch in the closed state, to prevent electric shock.
2. To avoid the installation of the heat source and hot steam, corrosive gas, so as not to affect the life span.
3. This product is limited to indoor use, outdoor water-proof, please note
4. It is inavailable to use dimmers(indicate Triac dimmer except) without the mark of compatible with traditional dimming.
5. Ensure that products can withstand the weight on the mounting location before installation.

Warning Description:

Please check the product whether it is in good condition immediately after you opening packaging. Appear non-human fault or failure caused by the reasons of the statement within the specified requirements. You can retreat the products to the retailers or directly return to the factory for replacement. Such as it should be stored in a cool, dry, clean environment if you disabled the products for a long-term prohibit the humid, hot, or flammable places of storage and use. Not disassemble, or replace the device.

Parameter of the products for improvements or other reasons subject to change without further notice.