

# PowerXplore™

LED Driver and Integrated System Technology

Power Conversion Efficiency **92%**



- High lumen efficacy achievable with less LED cost
- Same wattage contributes higher lumen output
- Advanced circuit protection gains more reliability

Indoor | Humanize | Intelligent

SunSun Lighting China Co., Ltd.

# PowerXplore™

## LED Driver and Integrated System Technology

PowerXplore is SunSun Lighting's cutting-edge LED driving technology with 4 international patents. It's a merging of various kinds of technologies including

1. Deep understanding of each critical point of LED driver;
2. Integration and optimizing of power conversion topology;
3. Abundant experience in analog circuit and IC circuit Design;
4. Cost optimization of each part.

All these specialties bring us 3 core superiorities:

1. Dramatically enhances the power conversion efficiency;
2. Simplifies the external circuit so as to reduce the power consumption of LED driver and also the heat dissipation;
3. Multiple advanced protection and safety circuit designs gains more reliability for products.

By utilizing this barrier-breaking solution, our A19 LED bulb presented in this lighting show was already tested by GE NVLAP and confirmed the power conversion efficiency up to 92%, which is 10~15% higher than any other brands, lumen efficacy (the LPW) achieves 68lm/W in warm white and 85lm/W in cool white color with only regular LED chips and CRI 90 achievable.

All these excellent performances are owing to SunSun's cutting-edge IC design. We didn't use any complicated circuit design or expensive electric components. On the contrary, the circuit is very simple which makes the cost lower than any other competitive solutions.

PowerXplore absolutely meets the demand of current market. It dramatically improved the 3 key factors in LED lighting: lumen efficacy, power factor and thermal management. This gives SunSun's LED products overwhelming advantages in the competition of today's incandescent retrofit market.

As long as the development of our technology and the low cost advantage from vertical integration of the whole industry chain, SunSun Lighting finally will make the LED bulb with highest lumen efficacy and lowest cost and truly bring LED lighting into every family.