# 大功率燈管解決方案
## Solutions To High Power LED Tube

## 量身定製高效能優化方案
## 促進能源系統應用效率提升

Tailored to provide efficient optimization solutions. Promote the application efficiency of energy system

### 傳統的照明


優化前耗能

(1) 頻閃嚴重，對眼睛造成疲勞和傷害。

(2) 熒光燈中含有大量的水銀蒸汽，假如燈管破碎水銀蒸汽對人體有害且污染環境。

(3) 產生紫外線，吸引大量蚊蟲圍繞在燈源旁。

(4) 會產生大量的熱能，降低了電能的利用率,耗電。

(5) 光度有限，達不到某些對照明高要求場所的期望亮度。

優化

### 大功率燈管照明


耗能降低

(1) 高流明輸出並且高功率：光效達180lm/W，功率2尺可達18W，4尺36W，5尺45W，適用於對照明要求很高的場所。

(2) 發光均勻，無可視頻閃，保護眼睛。

(3) 無汞，且無紫外線、紅外光等輻射，綠色環保。

(4) 發熱少，電能利用率高：在點亮的過程中產生的熱量很少，電能到光能的轉換率接近100%，沒有額外的電能損耗，更節能。

(5) 壽命長：壽命是傳統日光燈的10倍以上，堅固耐用，無需頻繁更換，減少人工費用。

(6) 替代原有熒光管無需更改線路。

# Lighting Solution :
## High Power LED Tube





Tailor-made high-efficiency optimization solution

**Improve energy system application efficiency**

**Traditional lighting system**


Traditional

- Stroboscopic is serious, causing fatigue and injury to eyes.
- Fluorescent lamps contain a lot of mercury vapor. If the lamp tube is broken, mercury vapor is harmful to human body and pollutes the environment.
- It generates ultraviolet rays and attracts a large number of mosquitoes around the lamp source.
- It will generate a lot of heat energy, reducing the utilization rate of electric energy.
- The luminosity is limited and can not reach the brightness expected in some places with high requirements for lighting.

Improvement

**High power lighting system**


Reduced energy consumption after optimization

- High lumen and high power: light efficiency of 180lm/W, power of 18W at 2ft, 36W at 4ft, 45W at 5ft,applicable to places with high lighting requirements.
- Even light, no video flash, protect eyes.
- No mercury, and no ultraviolet, infrared radiation, environmental protection.
- Fewer heat and higher utilization rate of electric energy: little heat is generated during the lighting process, and the conversion rate of electric energy to light energy is close to 100%. There is no additional electric energy loss, which is more energy-saving.
- Long service life: the service life is more than 10 times that of the traditional fluorescent lamp, which is sturdy and durable.
- Replace the original fluorescent tube without changing the circuit.