

Comparison of Light Source Characteristics

Comparing light source by Brightness/ Lifecycle/ Efficiency

	Bulb Steady/ flashing	Bulb Revolving	LED Steady/ flashing	LED Revolving	Xenon lamp strobe	Explanation of details
Brightness						Xenon lamp strobe type by comparison is the brightest, and the LED is the darkest. But recently, LED technology is advancing rapidly and LED brightness is improving.
Lifecycle						LED has the longest lifetime, but is easily affected by the ambient temperature and overvoltage. Compared to the LED, the bulb has a short lifetime because it consumes the filament every time it is lit up and the lifetime gets even shorter with a flash type model.
Efficiency						When it comes to economics, light bulb is the best choice because its structure is simple and it does not need any special circuits. The LED is expensive compared to other light sources. Xenon lamp is also expensive than bulbs due to its control circuit.

