

High quality lighting technology



For first-class images in industrial endoscopy

Dr. Karl Storz invented the cold light source in 1960. Since that time, KARL STORZ light sources have generated a bundled, powerful light beam outside of endoscopes; this beam is then transmitted to the endoscope tip through high-quality fiber optic light guides.

Our engineers benefit from years of experience and expertise in the development of endoscopic light sources. We use special software programs to calculate the optimal and most efficient light focus.

Our highlights:

- Efficient and powerful light sources
- Worldwide KARL STORZ service centers with tailored service packages.

Your benefits:

- > Even tiny details can be viewed
- > Device-friendly and power-saving operation
- > Reliable costing throughout the entire product lifecycle
- > Easy availability of KARL STORZ products

KARL STORZ light sources with LED technology – economical, durable, and robust

Particularly the new light sources with high-quality LED modules offer extreme durability. KARL STORZ develops and uses high-quality LED modules with excellent lighting properties.

Customers benefit from this longevity. At an average of 30,000 hours*, the operating life of KARL STORZ light sources exceeds the standard life of high-performance light sources.

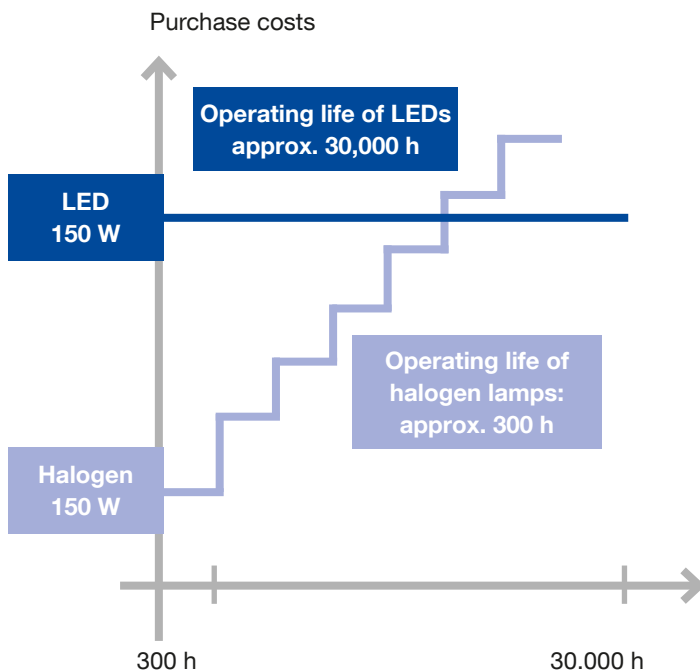
** When used on 250 work days per year for 10 hours each, the operating life is approx. 10 – 12 years.*

Why LEDs?

LEDs offer definite advantages over conventional lamps:

- Purchase costs rapidly amortized thanks to an average operating life of 30,000 hours and minimal power consumption
- Highly economical
- Low maintenance
- High security of investment and planning reliability
- High energy efficiency with 90% reduced power consumption
- Full light output from the first second
- Constant light intensity throughout the operating life
- Environmentally friendly

LED light sources – a worthwhile investment



The chart shows the *total cost of ownership* of LED versus halogen light sources. Frequent replacements of halogen lamps result in high costs for materials, purchasing, and the installation and removal of replacement lamps.