

PRODUCT DESCRIPTION



Italy & Germany

ES-LED 100

Super Silence Automatic
LED cold light source



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ES-LED-100 (Automatic intensity)

The LED endoscopy light source has a very high efficiency and a very long life expectancy. The unparalleled long life time (> 50,000 hours) makes the LED light source the most cost-efficient illuminator, and results in the fact that changing the lamp is never needed.

The LED light source is a Super Silent product. The LED light source generates no more than 30dB(A) airborne noise, four times quieter than other traditional products. The airborne noise is hardly audible, preventing the annoying noise in the operation room and providing a comfortable operating environment.

■ Automatic or Manual light intensity adjustment

The LED light source provides two means of dimming light: the light can be dimmed by manual adjustment with the control button on the front panel; alternatively, the output light intensity can be adjusted automatically depending on the input composite video signal of standard definition or Y signal of high definition video through the BNC connector on the rear panel of the light source.

■ High intensity illumination

With the cutting-edge LED technology and innovative fiber optical design, the light source can deliver super bright lightness. With this light intensity, the light source can be used in most endoscopy applications. This energy saving illumination product will definitely be the future golden standard.

■ Unparalleled long life time of the LED lamp

The LED lamp in the light source has more than 50,000 hour life time.. The unparalleled long life LED solves the problem that many sellers have to spend a lot on traveling just for changing a tiny lamp for the anxious waiting doctors. The LED lamp will emit endless high intensity light without any pause or interrupt, and never be burned out suddenly as a halogen lamp. This advantage greatly reduces the chance of accidents caused by illuminating interruption during operation.

■ Consistent color temperature when dimming

In contrast to a halogen lamp, the color temperature of the light source does not change when the light is dimmed or as the LED ages, resulting in a consistent visual appearance.

■ Safety settings

Due to the high intensity of the LED, an advanced set button to prevent the direct to the eyes .

■ Super Silent product

Airborne noise in the operation and examination room generated by traditional light sources sometimes becomes a very annoying problem. This noise pollution may bring a potential risk to influence the operation and diagnosis.

With its unique design, the light source operates at a very quiet condition. The generated noise is lower than 30dB(A), four times lower than other traditional products.

Technical Data

Color temperature :	6000K
Light source :	180Watt LED
Lamp life time :	> 50,000 hours
Dimming method :	Auto or Manual
Video input :	Via BNC connector
Video Format :	Composite Video Y Component (SD or HD)
Light guide connector :	Storz (Standard)
Advanced setting :	RS232 interface
Environment :	0 °C ±40
Class/ Type :	CE I/BF
Dimensions(WxHxD)	325x74x365mm
Weight :	6.5KG
Power consumption :	100-240VAC@50-60Hz
Fuse :	2xT1.0AE/250V (IEC 127)
Manufactured :	IEC601-1/CE
and tested acc :	EN60601-1 93/42 ECC

