

# 7100 LED Light Source

*A highly efficient LED fiber-optic light source*



\* LED: Light-Emitting Diode

The 7100 LED endoscopy light source has a very high efficiency and a very long life expectancy. It is intended to substitute halogen lamp or xenon fiber optical illuminators. The unparalleled long life time (> 50,000 hours, longer than 250 halogen lamps or 100 xenon lamps) makes the LED light source the most cost-efficient illuminator, and results in the fact that changing the lamp is never needed.

The 7100 LED light source is a Super Silent product. The 7100 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.

## KEY FEATURES:

### ● High intensity illumination

With the cutting-edge LED technology and innovative fiber optical design, the 7100 light source can deliver much more light than a 250W halogen lamp and comparable with 180W even 300W xenon lamp. 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.

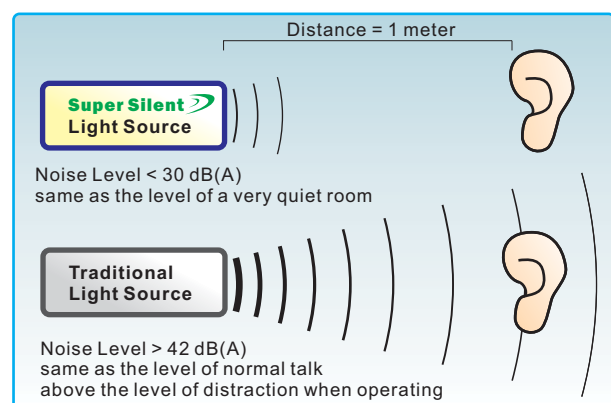
### ● Unparalleled long life time of the LED lamp

The LED lamp in the 7100 light source has more than 50,000 hour life time, longer than 250 halogen lamps or 100 Xenon lamps. 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.

### ● 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 7100 light source operates at a very quiet condition. The generated noise is lower than 30dB(A), four times lower than other traditional products.

\*\* Noise level is doubled when increasing 6dB.



- **Manual or automatic 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.

- **Consistent color temperature when dimming**

In contrast to a halogen lamp, the color temperature of the Cymo 7100 LED light source does not change when the light is dimmed or as the LED ages, resulting in a consistent visual appearance.

- **Exchangeable light guide adapter**

The light source is equipped with a Storz compatible light guide connector. Optionally, ACMI, Olympus, and Wolf light guide connectors are available.

## TECHNICAL DATA

Color temperature	6000K	Dimensions (W×H×D)	325 × 74 × 365 mm
Lamp Life time	> 50,000 hours	Weight	6.5 kg
Dimming method	Auto or Manual	Power consumption	100W max.
Video input	Via BNC Connector	Line voltage	100 -240VAC @ 50-60 Hz
Video format	Composite Video (SD) Y Component (SD or HD)	Fuse	2 × T 1.6 A E / 250V (IEC 127)
Light guide connector	Storz type (standard) ACMI, Olympus, and Wolf (optional)	Tested according to	EN60601, IEC60601-1 Directive 93/42/EEC
Advanced settings	External Triggering (optional)	<b>ORDERING DATA</b>	
Environment	0°C - +40°C temperature less than 75% relative humidity	7100.01	7100 LED light source (with Storz compatible light guide connector)
Classification	CE Class I / BF	7191.01	ACMI compatible light guide connector
		7191.02	Olympus compatible light guide connector
		7191.03	Storz compatible light guide connector
		7191.04	Wolf compatible light guide connector

## ACCESSORIES

### Light Guide Cable

High quality, autoclavable, suitable for LED or Xenon light source, optional adaptor available.



#### Fused light guide cable

1302.35.1800	diameter 3.5mm length 1800mm
1302.35.2300	diameter 3.5mm length 2300mm
1302.35.3000	diameter 3.5mm length 3000mm
1302.48.1800	diameter 4.8mm length 1800mm
1302.48.2300	diameter 4.8mm length 2300mm
1302.48.3000	diameter 4.8mm length 3000mm

#### Endoscope adaptor for the light guide cable

1391.01	ACMI compatible adaptor
1391.02	Olympus compatible adaptor
1391.03	Storz compatible adaptor
1391.04	Wolf compatible adaptor

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.