

# OLYMPUS®

Your Vision, Our Future

VISERA ELITE XENON LIGHT SOURCE

## CLV-S190

High-intensity 300 watt light source to drive HDTV and NBI (Narrow Band Imaging)



## Main Features

- Equipped with specially coated filters for NBI (Narrow Band Imaging).
- Equipped with specially coated filters for PDD (Photo Dynamic Diagnosis).
- Automatically adjusts light intensity to achieve ideal illumination for observation.
- Powerful 300-watt xenon lamp.
- Backlit front panel indicators and controls improve operability.
- Automatic switching to emergency lamp.



## Specifications

Power Supply	Voltage	100 – 240 V AC; within $\pm 10\%$
	Frequency	50/60 Hz; within $\pm 3$ Hz
	Consumption electric power	500 VA
Size	Dimensions (W x H x D)	370 x 150 x 474 mm (standard) 383 x 162 x 536 mm (maximum)
	Weight	14.9 kg
	Examination lamp	Xenon short-arc lamp (ozone-free) 300 W
Illumination	Average lamp life	Approximately 500 hours of continuous use (With intermittent use, the lamp life may vary slightly.)
	Ignition method	Switching regulator
	Brightness adjustment	Light-path diaphragm control
	Cooling	Forced-air cooling
	Intensity mode	Normal or high intensity
	NBI observation	Available
	PDD observation	Possible using special-purpose filter.
	Color conversion	Possible using special-purpose filter.
	Emergency lamp	Halogen lamp (within mirror) 12 V 35 W
	Average emergency lamp life	Approximately 500 hours
Automatic Brightness Control	Automatic brightness control method	Servo-diaphragm method
	Automatic exposure	17 steps
Indicators on Front Panel	Emergency lamp	Indicates absence of emergency lamp, disconnection and use of emergency lamp.
	NBI	When the NBI observation is enabled, the NBI indicator lights up.
	PDD	When the PDD observation is enabled, the OP indicator lights up.
Setting Memory	OP.1	It lights up if a special-purpose filter is installed into the light source.
		Settings (except filter setting) are stored even when the light source is OFF.
Classification (medical electrical equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied part	Depend on applied part. See also applied part (Camera head or videoscope).
	Degree of protection against explosion	This instrument should be kept away from flammable gases.

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