

# Olympus Evis Exera III CLV-190 Xenon Light Source



The **Olympus Evis Exera III CLV-190** Xenon light source features a new connector to allow a one-step connection for the Evis Exera III endoscopes. This removes the need for a video cable connection to the video processor. It has a new cooling fan that significantly reduces the operating noise level compared to previous generations. Narrow Band Imaging (NBI) delivers significantly increased brightness as well as twice the viewable distance in the lumen with an improved lamp design and signal processing.

## Features

- Brighter, more powerful imaging: Narrow Band Imaging (NBI) delivers twice the viewable distance.
- Easier connection and faster transmission speed: The new waterproof connector design allows one-step connection to the light source.
- Automatic light adjustment to achieve the ideal illumination for observation with each scope.



## Specifications

### Dimensions

**Height:** 6.4" (16.2 cm)  
**Width:** 15.4" (39 cm)  
**Depth:** 21.7" (55.1 cm)  
**Weight:** 41.9 lbs (19 kg)

### Power Supply

**Voltage:** 100-240 V AC; within  $\pm 10\%$   
**Frequency:** 50/60 Hz; within  $\pm 1$  Hz  
**Consumption Electric Power:** 600 VA

### Illumination

**Examination Lamp:** Xenon short-arc lamp (*ozone-free*) 300 W  
**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  
**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 Adjustment

**Automatic Brightness Adjustment Method:** Servo-diaphragm method  
**Automatic Exposure:** 17 steps

### Air Feeding

**Pump:** Diaphragm-type pump  
**Pressure Switching:** 4 levels available (*off, low, medium, high*)

### Water Feeding

**Method:** Feeds water by pressurizing the detachable water container with air

### Indicators on Front Panel

**Emergency Lamp:** Indicates absence of emergency lamp, disconnection, and use of emergency lamp  
**NBI:** When NBI observation is enabled, the NBI indicator lights up.

### Setting Memory

Settings (except filter setting) are stored even when the light source is off.

