

Light Source

# STORZ XENON 300 20133120

## ABOUT

The Karl Storz 20133120 Cermax xenon lamp by Excelitas is the xenon light source of choice for fiber optic illumination applications such as endoscopy and surgical headlamps. This is a 300-watt xenon arc surgical endoscope medical bulb with a parabolic reflector. The PE300BF light bulb has a 1000-hour life expectancy and a warranty period of up to 500 hours.

## FEATURES

- 300 Watt Xenon bulb
- video in/out BNC sockets
- 6-pin Mini-Din-sockets for optional SCB interface



# SPECIFICATIONS

## DIMENSIONS

**Width:** 360 mm (14.2 inches)

**Height:** 150 mm (5.9 inches)

**Depth:** 430 mm (16.9 inches)

**Weight:** Approximately 13 kg (28.7 lbs)

## LAMP

**Type:** Xenon short arc lamp

**Power:** 300 Watts

**Rated Voltage:** 14V

**Rated Current:** 21.43 Amps

**Life Expectancy:** 500-1000 hours

**Reflector:** Parabolic, integrally bonded to the lamp Optical System

**Illumination:** High-intensity, constant illumination

**Focus Adjustment:** Manual focus control for optimizing light output

## ELECTRICAL

**Input Voltage:** 100-120 V or 220-240 V (depending on model)

**Frequency:** 50-60 Hz

**Power Consumption:** Approximately 600 VA

**Fuse Rating:** 10 A for 100-120 V; 5 A for 220-240 V

## COOLING SYSTEM

**Type:** Forced-air cooling

**Fan:** High-efficiency, low-noise fan

**Temperature Monitoring:** Over-temperature sensor for protection

## CONNECTIONS

**Light Source Connection:** Standard fiber optic light guide connection

**Video Out:** BNC socket for video output

**SCB Interface:** Compatible with Storz Communication Bus (SCB) systems

## ENVIRONMENTAL CONDITIONS

**Operating Temperature:** 10°C to 40°C (50°F to 104°F)

**Storage Temperature:** -10°C to 60°C (14°F to 140°F)

**Relative Humidity:** 10% to 90% (non-condensing)

## SAFETY AND COMPLIANCE

**Certifications:** CE, UL, and CSA certified

**Safety Features:** Includes protective mechanisms against over-voltage, over-current, and overheating

**Leakage Current:** Meets IEC 601-1 requirements