



## IGNIS 160

**IGNIS 160** – lightweight, compact design with a circular shape. The casing is made of powder coated aluminum with the safety glass on the bottom part. The construction guarantees easiness of use and cleaning. By applying a small amount of external elements the dome is well protected against water and dust.

**IGNIS 160** is equipped with two independent handles. The sterile handle allows focusing of the light spot. The non-sterile handle surrounds the dome in more than 75% of its circumference, which provides independent access and makes the positioning very easy.

The unique solution applied in **IGNIS 160** are two control panels located on the dome opposite each other, which provides a good access independently of the position of the operator. Additionally, these panels allow to control not only the parameters of the light but also the parameters of the image, as **IGNIS 160** is also available with HD camera located in the very center of dome and protected by safe glass. The central light panel guarantees excellent penetration of light, whenever it is required. Additionally, it provides a homogeneous spot of light in the operation field, irrespective of the distance of the dome.

**IGNIS 160** is equipped with the independent function of endoscope light, located on the upper part of the dome. As a result of the research and consultation with the doctors we used a green color light, which ensures the best representation of the red color, so important during endoscope procedures.

Thanks to the use of LEDs, the emitted light has many advantages over the light obtained by using halogen bulbs:

- eliminates the possibility of diffraction.
- ensures optimal light intensity
- high adjustable color temperature for excellent color discrimination
- high color rendering index, essential for recognizing operated tissues
- high shadowlessness
- lifetime of the light source up to 60,000 h
- high energy efficiency

The following configurations of Ignis 160 lamps are available:

- Ignis 160C – ceiling version
- Ignis 160W – wall mounted version
- Ignis 160 F – mobile version
- Ignis 160 FA – mobile version with battery backup
- Ignis 160/160C – ceiling, double dome version
- Ignis 160CAM/C – ceiling version with camera
- Ignis 160CAM/W – wall mounted version with camera
- Ignis 160CAM/TV/C – ceiling version with camera and monitor
- Ignis 160CAM/160/C – ceiling double dome version with camera in one copula
- Ignis 160CAM/TV/160/C – ceiling two copulas (one with camera) and monitor version
- Ignis 160CAM/160/160/C – ceiling three copulas (one with camera) version
- Ignis 160CAM/TV/160/160/C – ceiling three copulas (one with camera) and monitor version



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# IGNIS 160 LAMPS



## PARAMETERS

<b>Lamp type</b>	<b>IGNIS160</b>
Equipped with HD camera	<b>160CAM option</b>
Equipped with monitor	<b>TV option</b>
Light intensity at a distance of 1 m (Ec)	160 000 lx
Adjustable light intensity	25 ÷ 100%
Colour rendering index Ra	96
Colour temperature - adjustable	4000/4400/4800 K
Operating field diameter d10	280 mm
Light spot diameter d50	140 mm
Adjustable diameter of the operating field	YES
Temperature increase near surgeon's head	< 1°C
Depth of illumination L1+L2 (20% Ec max)	140 cm
Depth of illumination L1+L2 (60% Ec max)	85 cm
Power consumption for the lighthouse	50 W
Insulation class	I
Protection degree provided by lighthouse enclosure	IP 43
Power supply voltage	100-240V AC
Net weight of the copula	18 kg
Working time on battery backup for Ignis 160FA	up to 4 h
Number of light sources	110 LEDs in 7 modules

Lighting parameters given with a tolerance of +/- 5%



Nasze produkty spełniają wymagania Europejskiej Dyrektywy MDD 93/42/EEC oraz norm europejskich IEC 60601-1-2011, IEC 60601-1-1-2-2007

