



## HELIOS 160



The control panel – easy to use, with the turn on/off button and adjustment of the light intensity



The sterile handle – enables focusing of the light spot of the operating field, ergonomic, placed in the center for easy access and positioning of the dome..



Three separated light sources, in the case of failure of one of them, the other two sources provide adequate illumination. The dome doesn't have any external screws and other fasteners. The smooth surface and perfectly matched components, guarantee keeping it perfectly clean.

The operating light **HELIOS 160** uses, as a source of light white LED diodes. The modern and monolithic construction of the copula makes it easy to keep the lamp clean, ensures ergonomic use and perfect cooperation with the laminar air-flow. The lamp is dedicated for operating rooms, but may be also well adopted in examination rooms, dentist and veterinary clinics. **HELIOS 160** consists of three independent light panels, containing 54 LED diodes, making it possible to reach the intensity of the light of 160 000 lux. Positioning of the lamp is easy thanks to the sterile handle placed in the middle of the copula and two nonsterile handles located on its circuit. The sterile handle is also used for regulation of the light field diameter, whereas light intensity is regulated by the control panel situated on the copula arm.

There are three versions of **HELIOS** lamps: ceilingmounted, wall-mounted and mobile (including battery back-up).

## EXAMPLE CONFIGURATIONS



HELIOS 160/160C



HELIOS 160C

## TECHNICAL DATA

LIGHTHEAD	HELIOS 160
Supply voltage	24V DC
Light intensity a distance of 1m (E <sub>c</sub> )	160 000 lx
Adjustable light intensity	25 ÷ 100%
Colour rendering index Ra	96
Colour temperature	4400 K
Operating field diameter d10	210 mm
Light spot diameter d50	105 mm
Adjustable diameter of the operating field	Tak
Temperature increase near surgeon's head	< 1°C
Dept of illumination L1 +L2 (20%) L1 +L2 (60%)	68 cm 47 cm
Power consumption for the lighthouse	55 W
Insulation class	I
Protection degree provided by lighthouse enclosure	IP43

Lighting parameters given with a tolerance of +/- 5%  
On special order FAMED Łódź S.A. can offer the above-mentioned lamps with a modified appearance, parameters and functions.



The product meets the requirements of the Regulation (EU) 2017/745 of the European Parliament and of the Council of 5th April 2017, and european standards IEC 60601-1-2011, IEC 60601-2-41:2010, IEC 60601-1-2-2015