



# B75

ONE DEVICE, TWO BUILT-IN FUNCTIONS:  
SURGICAL AND DENTAL



EXPERIENCE AND INNOVATION  
SINCE 1948



The logo consists of the letters 'B' and '75' in a bold, sans-serif font. The '7' is stylized with a diagonal slash through it. The background of the entire page is a light blue grid with a faint white line drawing of a dental lamp's internal components, including a rectangular housing at the top and several circular light fixtures below.

## THE FIRST DENTAL LAMP CONCEIVED AND DEVELOPED TO WORK IN TWO DIFFERENT MODES WITH THE SAME DEVICE

Two years of technological research, tests and studies to reach an accurate and functional design brought B75 to life. The breakthrough in dental lightening: a dental lamp that integrates surgical and dental features in one single device.

B75 lamp is equipped with two independent LED spots, the round one for surgery, with an intensity of illumination higher than 110.000 LUX, and the elliptical one, for dental use and it comes with an exclusive project of reflected light able to ensure the highest light quality, premium performance and visual comfort.

With B75, FARO provides to dentists a scialytic lamp designed for the dental field which defines a new way to manage the activities of the whole clinic, through a single device, in the same place, always connected and ready to use.

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## MAXIMUM PERFORMANCE AND COMFORT TO WORK WITH BOTH **SURGICAL AND DENTAL SETTINGS**

Built with care and with the focus that FARO reserves to the dental field, B75 is the expression of the continuous research for the best performance and the best comfort for the user. In both modes it is possible to rely on technology and design together for the optimal working environment.

Conceived and realized with materials selected to guarantee light weight, durability and easy cleaning following the principles of the circular economy to add the value of sustainability.



## B75 IS

### **DUAL MODE LAMP:**

INTEGRATES SURGICAL AND DENTAL ILLUMINATION IN A SINGLE DEVICE.

### **HIGH TECHNOLOGY, EASY TO USE:**

EQUIPPED WITH COLOR TOUCH SCREEN AND AUTOMATIC CALIBRATION OF THE SENSOR. A HIGH LEVEL PERFORMANCE DEVICE IN A UNIQUE DESIGN.

### **CUSTOMIZABLE:**

CUSTOMIZABLE ILLUMINATION ON THE OPERATORY AREA THANKS TO A RANGE OF COLOR TEMPERATURES FOR AN OPTIMAL WORKING ENVIRONMENT.

### **PREPARED TO HOST THE INTEGRATED DIGITAL CAMERA:**

IT CAN BE EQUIPPED WITH A 4K DIGITAL CAMERA, EVEN AFTER INSTALLATION.

### **MULTIPLE APPLICATIONS:**

AVAILABLE ALSO FOR DENTAL CHAIR INSTALLATIONS AND SUITABLE TO REPLACE AN OLD DENTAL LAMP ALREADY EXISTING IN THE CLINIC.

### **COMPACT AND INNOVATIVE DESIGN:**

THE 360° ROTATION OF THE LAMP HEAD (FARO PATENT) ENSURES THE PROPER AND QUICK POSITIONING OF THE LIGHT SPOT.

# B75 IS

## THE VANGUARD OF ILLUMINATION IN DENTISTRY



## DENTAL MODE

- ELLIPTICAL SPOT 200X100 MM
- UP TO 50.000 LUX AT 700MM DISTANCE
- CRI 98
- DIMMABLE LIGHT INTENSITY



- 4 COLOR TEMPERATURES  
WITH COMPOSAVE MODE



5700K



5000K

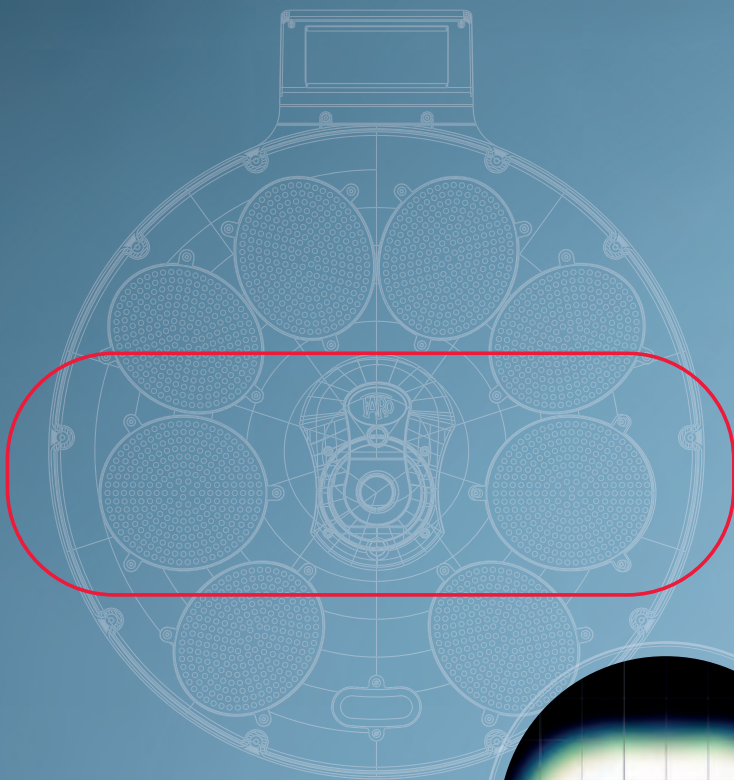


4000K

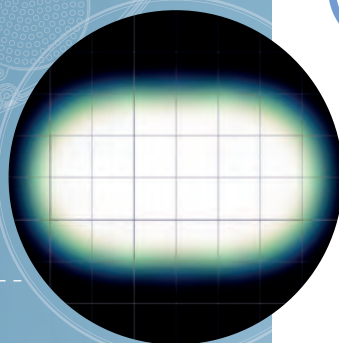


2700K

COMPOSAVE  
MODE



ELLIPTICAL SPOT  
200X100 MM





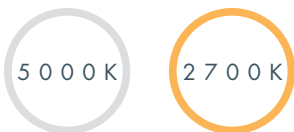
THE SWITCH FROM SURGICAL MODE TO THE DENTAL ONE AND VICE-VERSA IS MANAGED BY A 4.3 INCHES TOUCHSCREEN IPS COLOR DISPLAY, EQUIPPED WITH A DIGITAL PROPRIETARY INTERFACE, EASY AND USER FRIENDLY.

## SURGICAL MODE

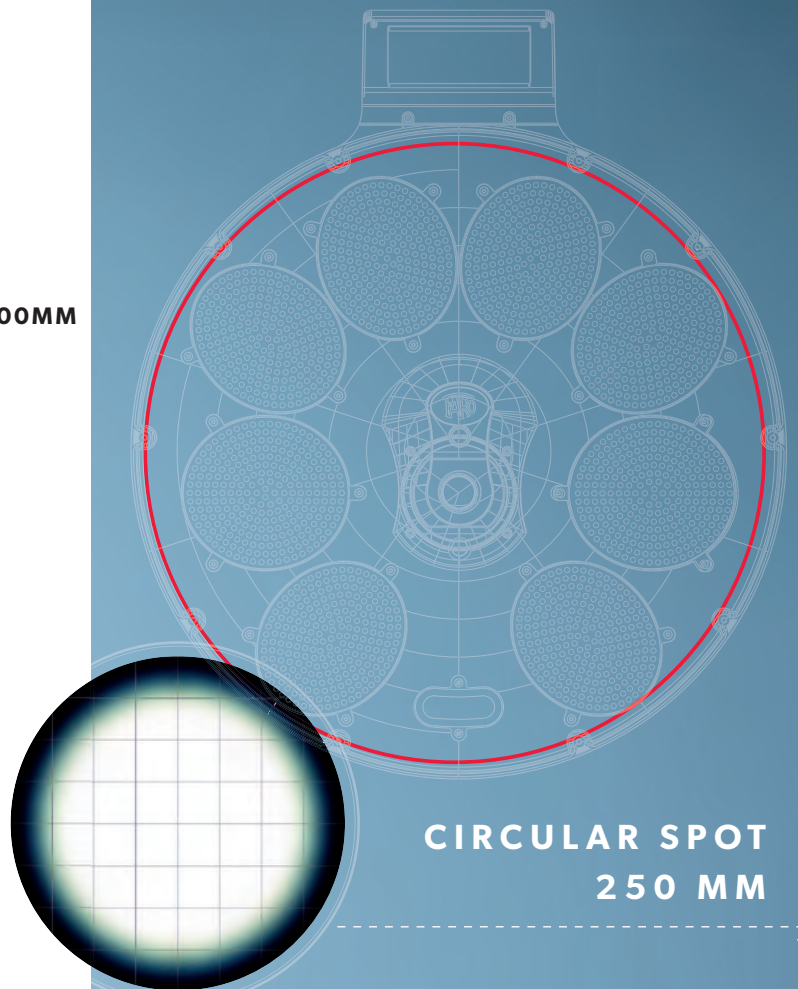
- CIRCULAR SPOT 250 MM AT 1M DISTANCE
- UP TO 110.000 LUX AT 1 M DISTANCE
- MAXIMUM ILLUMINATION 160.000 LUX AT 800MM
- CRI 98
- DIMMABLE LIGHT INTENSITY



- FIXED COLOR TEMPERATURE AND COMPOSITE MODE



COMPOSITE  
MODE



CIRCULAR SPOT  
250 MM

# B75 WITH INTEGRATED 4K DIGITAL CAMERA

FOR GREATER PRECISION  
AND ACCURATE,  
READY TO USE ARCHIVE



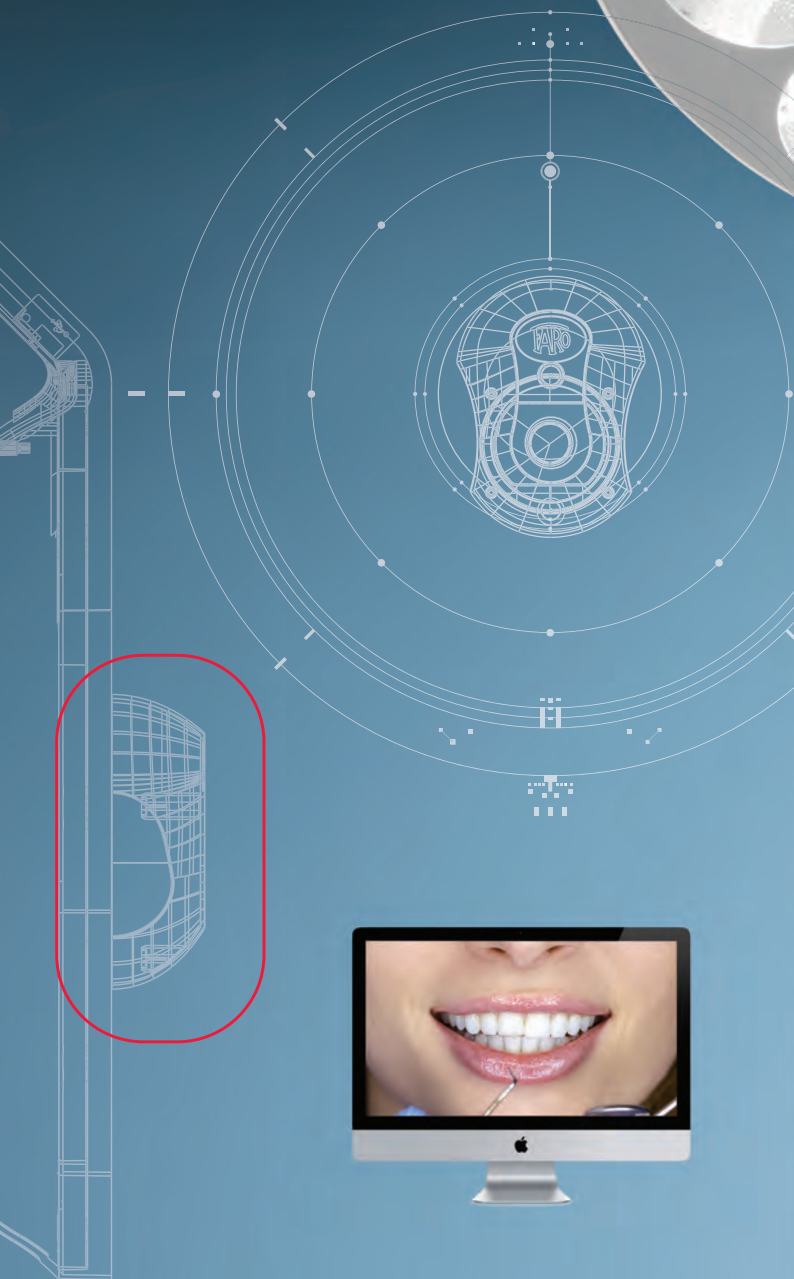
B75 is designed to accommodate a 4K digital camera for a more precise, reliable and comfortable dental practice.

Ideal for photographing, filming, comparing and sharing photos and videos both live and remotely. The foot control ensures a hands-free practice without interruptions and distractions.

## TECHNICAL FEATURES

- Easy and intuitive native software for Windows and Mac
- Photo and video access and sharing via email on any device without editing
- Foot pedal with cable and wireless (optional)

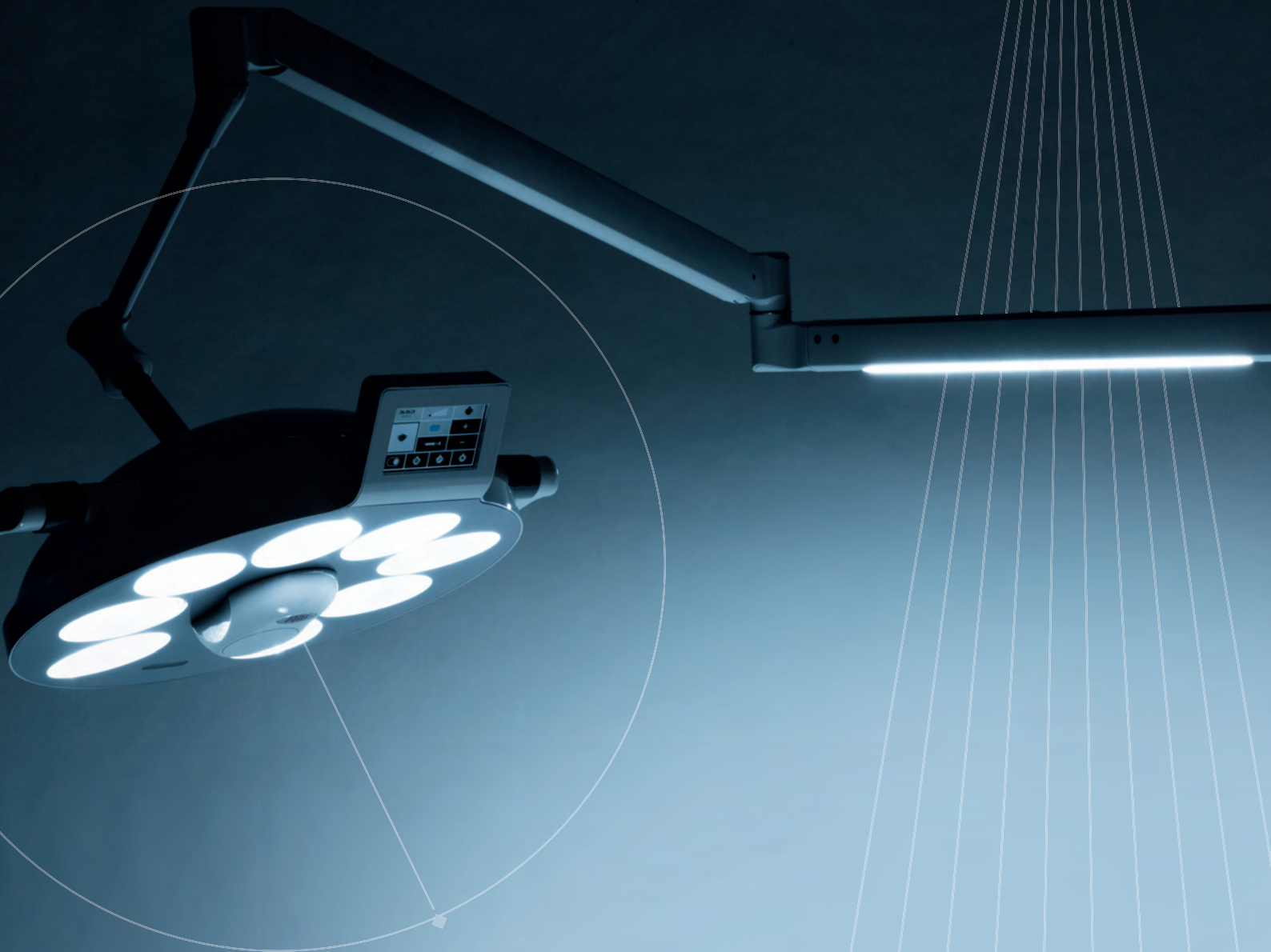
<b>RESOLUTION</b>	4K
<b>VIDEO FORMAT</b>	MP4
<b>PHOTO FORMAT</b>	JPG
<b>STANDARD OPTICS</b>	25 mm





## B75 AND THEIATECH®

TWO SYNCHRONIZED AND BALANCED  
LIGHT SOURCES TO REDUCE VISUAL FATIGUE



**5000K | UP TO 1500 LUX**

Integrating 54 LEDs in the rear arm of B75 enables the synchronization of the two lights intensities for a balanced vision in the pre-operating area, while reducing visual and postural fatigue for the doctor, assistant and patient due to shifts in the light and position.



# DESIGN AND TECHNOLOGY

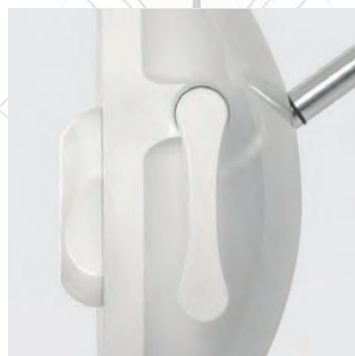
**DUAL SPOT WITH THE LATEST LEDS GENERATION**

**LEDs ELECTRONICALLY AND INDEPENDENTLY MANAGED FOR MAXIMUM RELIABILITY**

**LED TECHNOLOGY FOR LESS MAINTENANCE COSTS AND HIGH ENERGY EFFICIENCY**



**HEAD ROTATION > 360° FOR THE CORRECT AND QUICK SPOT POSITIONING**



**SEALED SCRATCH-RESISTANT HEAD THANKS TO NANOTECHNOLOGY TREATMENT**



**COLOR TOUCH DISPLAY FOR FUNCTIONS, SETTINGS AND SERVICE MANAGEMENT OF BOTH MODES**



**TOUCHLESS OPTICAL SENSOR CUSTOMIZABLE FOR EASY CONTROL AND LOW CROSS-CONTAMINATION RISK**



**HANDLES REMOVABLE AND AUTOCLAVABLE**



**BALANCED PANTOGRAPH ARM FOR EASY HANDLING**

# TECHNICAL CHARACTERISTICS

## INSTALLATION

- CHAIR
- CEILING
- WALL
- FLOOR
- STAND ON WHEELS

## PATENTS

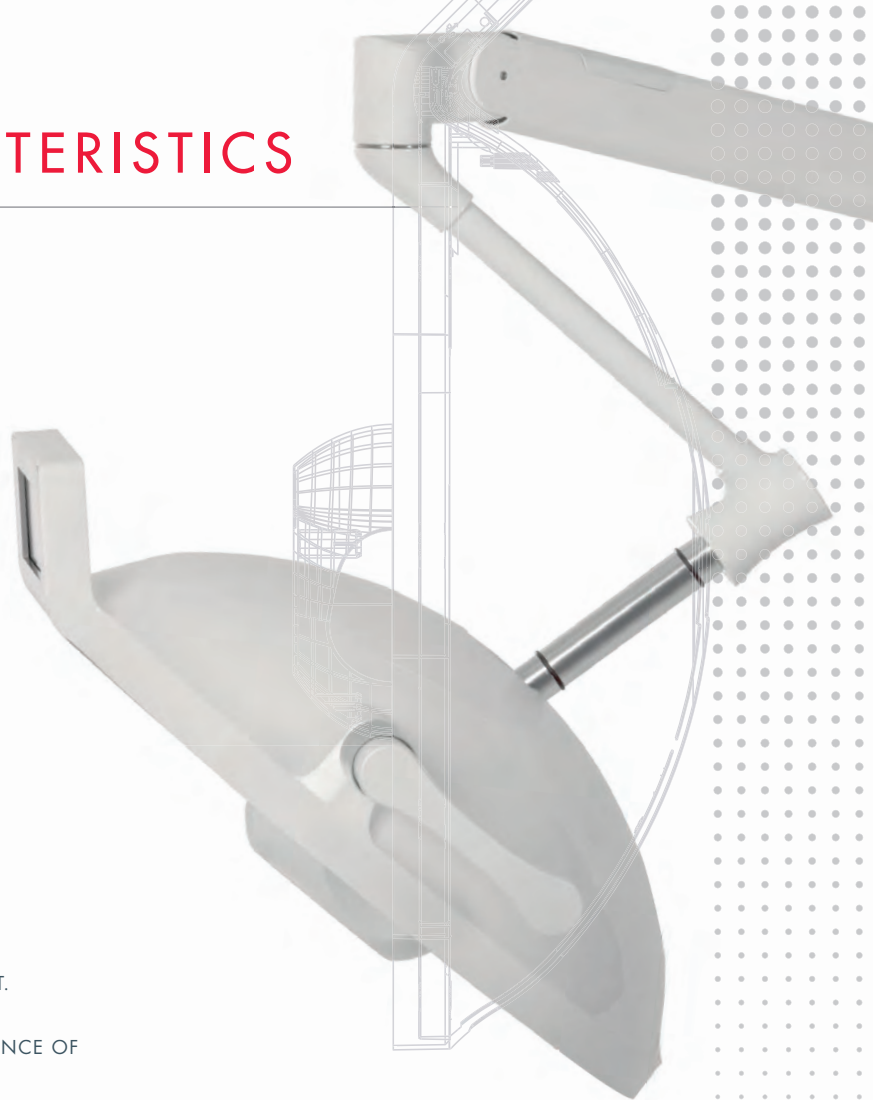
- 2 INVENTION PATENTS  
PENDING: IT 102023000009342  
PENDING: IT 102023000009318
- DESIGN 015020984-0001/015020984-0004

## ACCESSORIES

- DIGITAL 4K CAMERA

## CONTROL OPTIONS

- ADVANCED OPTICAL SENSOR:
  - SELF-CALIBRATION SYSTEM WITH RESPECT TO AMBIENT LIGHT.
  - MEMORIZATION OF THE MOST USED FUNCTIONS.
  - ABILITY TO CHANGE AND CUSTOMIZE THE READING DISTANCE OF THE SENSOR OR COMPLETELY DEACTIVATE IT.



	SURGICAL			DENTAL		
COLOR TEMPERATURE (K)	5000K	COMPOSAVE	4000K	5000K	5700K	COMPOSAVE
POWER SUPPLY	48VDC (with medical power supply 110-240VAC 50/60Hz)					
MAX. ABSORBED POWER	60 Va • (60 VA - 74VA)*			24 VA • (24VA - 40VA)*		
LIGHT SPOT DIMENSION	Ø 250			200x100		
MAX. INTENSITY (LUX)	110.000 (at 1 m) 160.000 (at 800 mm)	11.000 (at 1 m)		50.000 (at 700 mm)		11.000 (at 700 mm)
MIN. INTENSITY (LUX)	12.000 (at 1 m)			6.000 (at 700 mm)		
D10 AT 1 M	Ø 220 mm					
D50 AT 1 M	Ø 150 mm					
CRI	98					
R9	97					
Rf	98					
Rg	102					
EXTERNAL DIAMETER OF THE HEAD	445 mm					
ROTATION SYSTEM	3rd axis					
HEAD ROTATION > 360°	✓					
VERSION WITH DIGITAL 4K CAMERA OR ARRANGED FOR IT	✓					
COLOUR TOUCH DISPLAY	✓					
OPTICAL SENSOR	✓					
HEADLAMP WEIGHT	5.4 kg - 5.6 kg version with integrated camera					
LAMP WEIGHT	Headlamp with arm 12.5 kg approx. - Ceiling-mounted lamp 25kg approx.					



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INFO LINE:



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