



vet

# MASTIFF

In **2002**, Rimsa achieved a remarkable result: we researched and manufactured the world first **LED surgical light**. In **2017** we went a step further by developing a **Glare-Free surgical light**.

# yet | MASTIFF

Thanks to the **2R technology**, the complete **suppression of the glaring effect** caused by the light emitted by the lamp, has been attained.

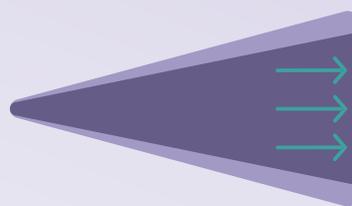
The 2R technology provides a decisive reply to some of the most dangerous problems highlighted by the medical literature, namely the **glaring effect** and the **black spots**. At the heart of this technology is the ability to optically maneuver the lighting beams through an ingenious system of mirrors and lenses.

Developed in collaboration with the Italian **engineering academia**, this product also displays further technological features such as the **maximization of the light emitting surface**.

The head of the mastiff light is a uniform light emitting element; thanks to its indirect lighting principle, it is not the case that several lighting rays insist on an area but rather that a **single and uniform flux of light** flows from the lamp to the surgical field. This peculiarity turns into a better shadow control.

Furthermore, Mastiff light displays a series of characteristics intended to decisively support the surgeon and his equipe. A **supplementary lighting diameter** at low lighting intensity, is present to further contrast the risk of black spots (compensation area).

**Mastiff Light** has been designed and manufactured to fulfill any **ergonomic** and **maneuverability** expectation. The light head is shaped as to allow for manual interaction and the ability to **control the light intensity from the sterile handle** offers the surgeon an unparalleled aid.



**LIGHTED AREA**

**21 - 35 cm**

## ACCESSORIES

- Batteries
- HD camera (HD-SDI)
- HD camera wireless

- Ir remote control
- Wall panel control
- Supplementary monitor arm (double monitor arm available)
- Double yoke





The entire **structure has been designed** and manufactured by **Rimsa** to grant absolute maneuverability.

**Mastiff light**, in contrast with all the other products of the RIMSA vet series, is not particularly intended for a veterinary use, yet, because of its unmatched characteristics **has already made itself a name among vet practitioners.**



**Mastiff Light, ceiling double dome**



**Mastiff Light, ceiling single dome**



**Mastiff Light, mobile**

## PERFORMANCES

Technical data	MASTIFF LIGHT		
		Depth of illumination IEC 60601-2-41 (L1+L2) at 20%	103 cm
Light intensity at 1m (Ec)	160.000 lux	Total radiated energy Ee where the illuminance reaches max level	580 W/m <sup>2</sup>
Color Temperature	da 3800K a 5000k	Ratio between radiated energy Ec and illuminance Ec	3,68
Color Rendering Index (CRI)	96 Ra	Power Tension (a.c.)	100 - 240 V
R9	96	Frequence	50 / 60 Hz
d10 Lighting Field Diameter 10% of Ec	210 mm	Electrical Absorption	53 W
Adjustable Lighting Field	210 - 350 mm	Numbers of LEDs	84 Led
Lighting depth IEC60601-2-41 (L1+L2) at 60%	49 cm	Life-Time	50.000 ore

Ref. June 2020



### RIMSA

Via Monterosa, 18/22  
 20831, Seregno (MB) - Italy  
 Tel. + 39 0362 325709  
 Fax + 39 0362 328559  
 E-mail: info@rimsa.it



Rimsa retains a right to improve the products in the catalogue without notice. Reproduction in part or in whole is forbidden.

RESEARCH & COMPONENTS



HAND-MADE IN ITALY

[www.rimsa.it](http://www.rimsa.it)