Luce D40



Scialitic surgical lamps

Surgical techniques in dentistry have become more sophisticated and demanding, therefore the actions of the operators must not be dependent on anything else. The intervention of more than one person and the position of the dentist's body often create shadows affecting the dentist's work.

The new single-lamp surgery lights from Tecno-Gaz eliminate all these problems, guaranteeing perfect lighting, even in the event of parallel working.

Ceiling version

Art. 330-SR-2

Operating adjustments

The vertical arm has an angle of 97° with a range of 1455mm. It is balanced by a compression spring and can be adjusted over time if necessary. It is light and special bushings stabilise it in any position. **Stands** for ceiling fixing created according to the height of the ceiling.

Parabola internal Layered

Luminosity adjuster Lighting intensity is electronically adjustable with a potentiometer from 20,000 Lux up to maximum intensity. The surgeon can set the desired lighting intensity according to the type of surgery.

Natural glass Anti-blinding

Autoclavable handle, for adjusting the spot light.

Ask the expert

Who `needs this? All doctors and dentists.

Why a surgical lamp?

A dentist operates in dark and irregular cavities therefore the need for better lighting is a vital one. Lighting helps you to work better, with less visual stress and protects the sight of the operators.



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Frame and click! Use your mobile phone to get further information about this issue.



TECNO-GA

Unique characteristics

- Perfect and broad lighting of the surgical field.
- Beneficial to the dentist's sight, which also has a "visibility" that is greatly superior to current methods of lighting.
- Optimum ability for making out details.

Depth

Light rays generated by the bulbs are reflected by the "elliptical" reflector onto the surgical field in pinpoints, ensuring that the light is constantly focused and three-dimensional. Thanks to this principle the light is always focused at a minimum distance of 60cm from the reflector.

Cold light

Special "RMS97" filters eliminate the infra-red rays generated by the halogen bulb, in order to safeguard against tissue dehydration during the procedure and to facilitate the surgeon's work.

Spotlight control

The spotlight can be adjusted manually using the special handle located at the centre of the reflector. This handle can be easily removed in order to undergo sterilization.

- Distinction between venous and arterial blood.
- Better colour identification.
- Reduction in the emission of heat.
- Focus is always perfect.

Elliptical reflector

This is made of aluminium and dozens of interconnected ellipsoids. The elliptical shape guarantees optimum lighting intensity with a low voltage halogen bulb, and the reflected light is always focused. The elliptical reflector has a "mirror" coating to increase the reflection and a "sun-light" coating to raise the colour temperature to 4.200 Klux with a colour rendering index equivalent to 94 Ra.

Aluminium structure

The "light-struc" load-bearing structure of the lamp is an aluminium tube of 45mm in diameter. This feature facilitates mounting without the need for mechanical lifting equipment, making the product ideal for all types of ceilings and easy to manoeuvre, and facilitates heat dissipation.

Optional

* as standard with D60 models, on request with D40 models



Automatic lamp Changing System *

The lamps are equipped with a block composed of 2 halogen bulbs which are electronically controlled; in the event of a failure in the main bulb the second bulb automatically comes into operation in place of the faulty one. Simultaneously, a LED located on the cover of the lamp starts flashing indicating that the main bulb requires replacing.



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Lamp replacement indicator*

An LED indicator is located on the cover that will start to flash, attracting the operator's attention so that the faulty bulb can be replaced.

Luce D40

Lighting intensity at 1m with a temperature of 4.200K ± 5% - voltage 22.8V: 100.000 Lux

Main bulb	100 W
Spare bulb	(100) ³ w
Automatic switch to replacement bulb with flashing light indicator	(100) w Optiona (Elettronic DLE Device)
Approximate average life of bulb at 22,8V. ¹	2.000 h. ± 10%
CRI (Colour rendering Index)	92x94 Ra
Light field diameter adjustable using sterilizable handle	100- 180 0 mm
Depth of field without need for focus I EC 60601-2-41	1.140 mm
[■] ocusable from - to	60 - 200 cm
Infra-red ray absorption	98%
Infra-red filter	RMS97
Temperature increase at head height	2 °C
Diameter of the elliptical reflector	360 mm

	400 11111
Lighting surface of the dome	698 cm ²
Sterilizable handle	1
Colour	RAL 7035
Weight without anchoring tube	20 - 30 - 26 Kg
Power requirement	230/110 V
Standards	***
I EC 60601-1, I EC 60601-2-41, MDD 93/42 CEE, class 1 medical device	Yes
EMC 601-1-2	Yes
Battery group with automatic charger 1 or 3 hours, maintenance free	Optional
¹ Details subject to change based on different voltages	power surges or

frequency of use.

² Optional

With DLE system (spare bulb) lighting intensity is reduced by 10%.



The Tecno-Gaz lamps can be supplied in satellite versions, in various combinations on request.

On trolley version

Art. 340-SR-2

Art. 350-SR-2

On request

Every Tecno-Gaz lamp

can be fitted with an emergency battery battery charger and electrical circuit.

Wall-mounted version

Art. 340-SR-2

Art. 330-SR-2

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