

LED
TECH



NEW

ALYA DENTAL LED LIGHT

Your eyes deserve it



Medical Device complies
to the directive 93/42/EEC
FARO SPA Ornago (Italy)



SINCE 1948: EXPERIENCE
AND INNOVATION

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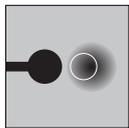
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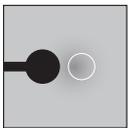
24-MONTH-GUARANTEE

The LED-Technology FARO masterpiece is now even better.

The state of the art of LED technology ultimate generation. Powerful and reliable, **ALYA standard model** is equipped with the **patented FARO triaxial movement and optical system**, with the **renewed removable and autoclavable handles** and with a sophisticated electronic device for a **better control of the lighting spot**. Also, a new electronic board ensures the **perfect compatibility with the video acquisition systems and the diagnostic tools**, that nowadays are even more common in the dental practices.



Minimum dimension of the sharp shadow required by standards: Ø 12mm



ALYA scalytic effect generates an ellipse of only 6x3 mm

Patented optical project with reflected light.

ALYA, thanks to its **exclusive optical project with reflected light**, and through the 258 small reflecting facets included in each of the two parabolas, avoids the direct vision of the 2 LEDs, **creating a 180 x 90 mm spotlight area absolutely uniform**. The accurate definition of the spotlight removes the glare, protecting your patients' eyes.

NEW progressive adjustment of the illuminance. NEW

The **new electronic control of the illuminance**, activated by joystick or sensor, **adjusts the light** from maximum to minimum power without any interruption, **keeping the colour temperature constant**.



ELECTRONIC CONTROLS

- Switching control and dimming: micro-joystick on the head
- Switching control and dimming version also from unit, or by foot control
- Electronic lighting adjustment by microprocessor
- Remote control from the unit: allows to repeat all joystick functions
- Automatic memorization of used light intensity, also after switching off the unit's power or after the 'rinse' function
- Sound signal at minimum and maximum light intensity
- Exclusive 'one touch' regulation (composite position) to reach the minimum intensity with a simple 'click'
- NEW PROXIMITY SENSOR with shielding devices for high-output radio frequencies NEW



3-D ROTATION

The perfect balance, combined with the unique patented 3-D rotation on the optical axis of the head, provides the best accuracy of the beam orientation, reducing the risk of accidental glare on the patient.



One lamp for all needs.

NEW

The **new beautifully designed and ergonomic joints** are made of solid aluminum alloy and then painted. They allow, with a simple twist, to **mount the light both on the dental unit and on the ceiling**. The new pin for insertion in the column of the dental unit is **easily replaceable** with pins of different diameter giving the possibility to install **ALYA** on every brand of dental units.



LED THE LED TECHNOLOGY

T E C H (LIGHT EMITTING DIODE)

LED technology is the present and the future of lighting: the light is obtained by a flow of electrons that goes through a semiconductor material generating very little heat at constant light flow. Because of their simple design, LED lamps are virtually maintenance free, have a great luminous efficiency and incomparable durability.

S-FX

SCIALYTIC EFFECT: ellipse of 6x3mm
(typical value subject to tolerance)

LUX

ILLUMINANCE: from 3.000 to 50.000
(typical value subject to tolerance)

K

COLOUR TEMPERATURE: 5.000 K (at any intensity)
(typical value subject to tolerance)

CRI

COLOUR RENDERING INDEX: 95 (maximum value = 100)
(typical value subject to tolerance)



EXTERNAL POWER SUPPLY

NEW

As an option, a new small external power supply "world wide range" allows ALYA to connect directly to the network. The power supply can be easily placed in the unit or in the ceiling application.

TECHNICAL FEATURES

- OPTICAL SYSTEM PATENT N. 1847762
- 3-D OPTICAL AXIS ROTATION PATENT N. 1847762
- DESIGN PATENT N. 0001780834-0001

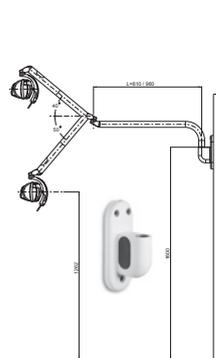
GENERAL FEATURES*

Power Supply with transformer	230 Vac +/- 10% - 50/60 Hz
Power Supply with/without power pack	90-264 Vac - 47-63Hz / 17-24 Vac - 50-60 Hz 22-35 Vdc
Absorbed Power	max 26 VA
Lux	from 3.000 to 50.000 (from the distance of 700 mm)
Lighting spot	180 x 90 mm (from the distance of 700 mm)
Cooling System	static heat sink (no fan required)

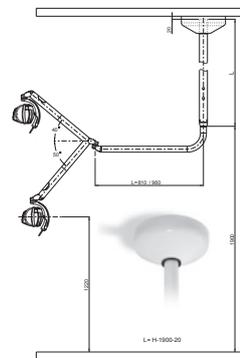
Medical Device complies with Directive 93/42/EEC and s.m.i. - Medical devices - class I - Applied Standards: EN 60601-1, EN 60601-1-2, EN 60825, EN 62471; Guaranteed 24 months
*(The above specifications are typical values subject to tolerance)



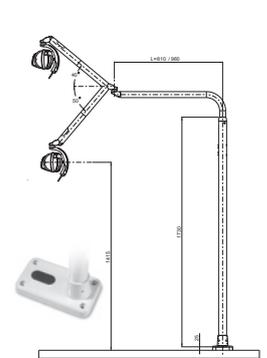
Thanks to a wide range of accessories **ALYA** is available for **WALL**, **CEILING** and **FLOOR** applications.



WALL APPLICATION



CEILING APPLICATION



FLOOR APPLICATION



SINCE 1948: EXPERIENCE
AND INNOVATION

BEHIND THE TECHNOLOGY

Faro's core business is the result of the best Italian technology and the daily commitment of many people working to shape excellent products, designed on the real ergonomic needs of the dentists and their patients.

FARO S.p.A. founded in 1948 by Osvaldo Favonio, designs and produces equipment for the manufacturer of dental units, dental cabinets and dental laboratories. In over 5,000 square meters of the production plant in Ornago (MB), both the production and the design and research & development take place.

Over the years, the Company has earned the position as world leader in the specific sector, a role gained thanks to the technology and design research and the ability to understand the real needs of end users. Total quality, assured by the internal management of the entire production cycle and by a qualified and efficient pre- and post-sales service. FARO experience best expresses the pride of a total-made-in-Italy product.

The **six product lines** that we are producing and marketing offer a **full range of solutions** for the construction of the medical and dental laboratory



ILLUMINATION

LED AND HALOGEN

includes several models of lamp, made with LED and HALOGEN technology;



APPLICATION SETS

AND COMPLEMENTS

essential for the positioning of the lamps and related accessories on the dental unit and inside the cabinet;



STERILIZATION

AND WATER TREATMENT

includes class B autoclaves, distillers, and systems for the treatment of water;



INSTRUMENTS

FOR DENTAL CABINETS

turbines, syringes, handpieces and contra-angles;



COMPONENTS

FOR DENTAL UNITS

a complete line of components, accessories and spare parts intended for dental units;



INSTRUMENTS

FOR LABORATORIES

motors, handpieces and trimmers;

We can also customize our products to meet specific demands. For a custom project, please contact our Customer Service.



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Certified Company



ISO 9001:2008 ISO 13485:2003

INFO LINE:

