

Technical features

GENERAL SPECIFICATIONS*	SIDÈREA SUNLIGHT	SIDÈREA SUNLIGHT slim
Power	Max 300 W	Max 200 W
Dimensions	1.605 x 645 mm	1.030 x 645 mm
Weight	18 Kg	14.5 Kg
Lux	Up to 3.000 LUX (at a distance of 1.4m)	Up to 2.200 LUX (at a distance of 1.4m)
Colour temperatures	Indirect 4000K/Direct 6500K	
TM-30	Rf 97.3 Rg 100.3	
UGR	<10	
Memorization of last illumination level NEW	✓	✓
No flicker system NEW	✓	✓

In compliance with EN 12464-1 and EN 62471.
*(The technical data indicated are typical values subject to tolerance)



TM30 A NEW LED QUALITY INDEX

TM-30 is a metric introduced by CIE (International Commission on Illumination) in their Technical Report 224:2017 to express a far more accurate and reliable colour rendition and to measure the quality of a LED source in

- **Rf** (colour fidelity)
- **Rg** (colour saturation)

based on a sample set of 99 colours against the 15 used to evaluate the CRI.

Rf quantifies how natural a colour appears, the fidelity of the colour illuminated by the tested light source in comparison to the natural colour of the reference light. *The values range between 0 and 100.*

A high fidelity score indicates that the colour perceived is very close to the natural one.

Rf = 100 exact match with the reference colour.

Rg measures the colour saturation:

Rg = 100

the test source does not change the saturation

Rg > 100

higher colour saturation, vivid colours.

Rg < 100

lower colour saturation, dull colours.



EXPERIENCE AND INNOVATION
SINCE 1948

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Certified company



ISO 9001



ISO 13485

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Sidèrea SUNLIGHT

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The first “solar spectrum”
ceiling LED light
to reproduce
the natural Sun daylight.

#LIGHTISLIFE

Sidèrea^{slim}

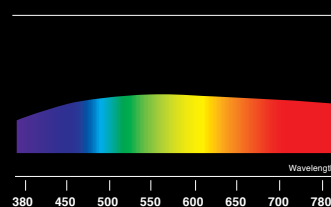
Sidèrea

FARO S.p.A. keeps striving to create the **PERFECT LIGHTING** for dental and medical clinics.
Here it comes **SIDÈREA SUNLIGHT** the latest milestone in LEDs room illumination, the solution for every professional.

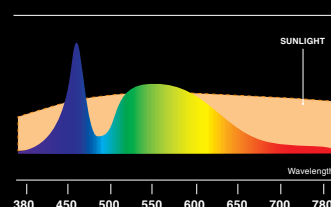
Scientific Research has repeatedly shown that sunlight is the best and most realistic source of lighting as it allows to perceive every detail of objects and figures, accurately reproducing their colours and surfaces.

An **artificial light able to replicate in quality the true natural one of the Sun** is the essential doctor's ally to examine the oral cavity in details while operating in **safety and psycho-physical comfort**, for the overall visual and postural well-being of himself, the team and the patient.

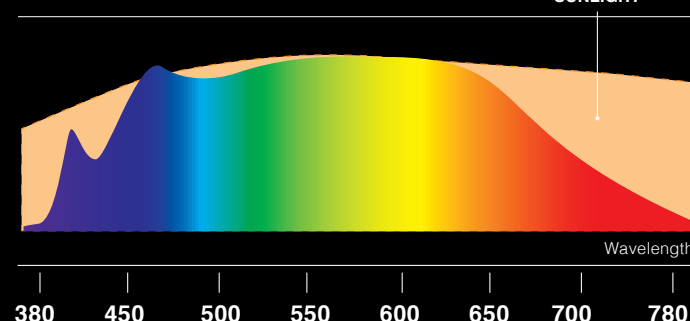
SUNLIGHT
SPECTRUM



SPECTRUM
LED LIGHTS ON THE MARKET



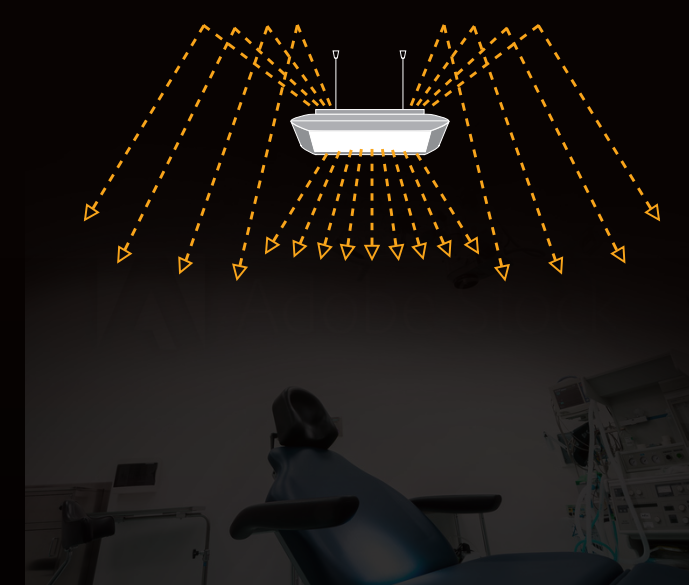
SIDÈREA SUNLIGHT SPECTRUM



Technology

Direct and indirect lighting

The multidirectional light enables a **balanced illumination and proportionate diffusion** in the room avoiding shadows and “cave effect”.



Personalize your LUX

Light intensity easy to adjust according to the practice preference and conditions by:

REMOTE CONTROL

5 pre-set/default lighting scenarios, rewritable by the user.

“SIDÈREA” APP

Free setting via iOS and Android mobile.

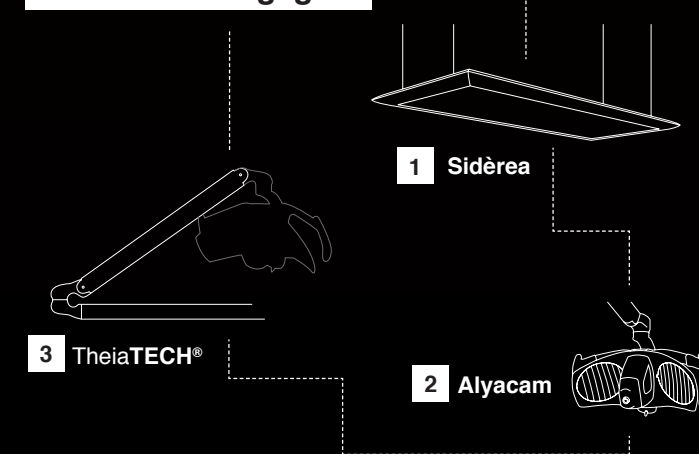


Two different colour temperatures

6500K direct light and 4000K indirect light, to create the most suitable environment for every doctor.

The Faro light system

#the3interactinglights



The **OPTIMAL ILLUMINATION BALANCE** thanks to the perfect synchronism sync of 3 light sources: **SIDÈREA SUNLIGHT** ceiling light, **ALYACAM** operating light and **THEIATECH®** pre-operative light.

The first smart lighting system for a balanced visual transition between the different working areas to ensure excellent performance and comfort over time.

3 PATENTS in one system

- Synchronization system patent n.IT202017000070648
- ALYACAM: optical system patent n.EP1847762
- THEIATECH®: patent n. EP3120822B1

YOUR WELL-BEING, OUR LIGHT

Many studies have shown the health benefits of sun exposure.

We spend most of our day in indoor environments lit by artificial LEDs with an intense blue light component, among the causes of several risks and diseases:

1. AMD: Age-related macular degeneration;
2. Sleep-wake cycle disturbance;
3. Mitochondrial damage: free radicals, early ageing, etc.

FARO mission is serving our medical clinics and patients worldwide as the most trusted partner for PERFECT LIGHT able to reproduce the very natural illumination for a safe practice and unparalleled comfort and psychophysical well-being overtime

¹ Ratnayake K, Payton JL, Lakmal OH, Karanarathne A. Blue light excited retinal intercepts cellular signaling. -Sci Rep. 2018 Jul 5

² Chang, A.-M., Aeschbach, D., Duff, J. F. & Czeisler, C. A. Evening use of light-emitting eReaders negatively affects sleep, circadian timing, and next-morning alertness. Proc. Natl. Acad. Sci. U. S. A

³ Luc Duval, Nathalie Cardot-Lecia, Catherine Queille-Roussel, Yves Maubert, Yona Harmelin, Fèriel Boukari, Damien Ambrosetti, Jean-Philippe Lacour, Thierry Passeron Differences in visible light-induced pigmentation according to wavelengths: a clinical and histological study in comparison with UVB exposure