

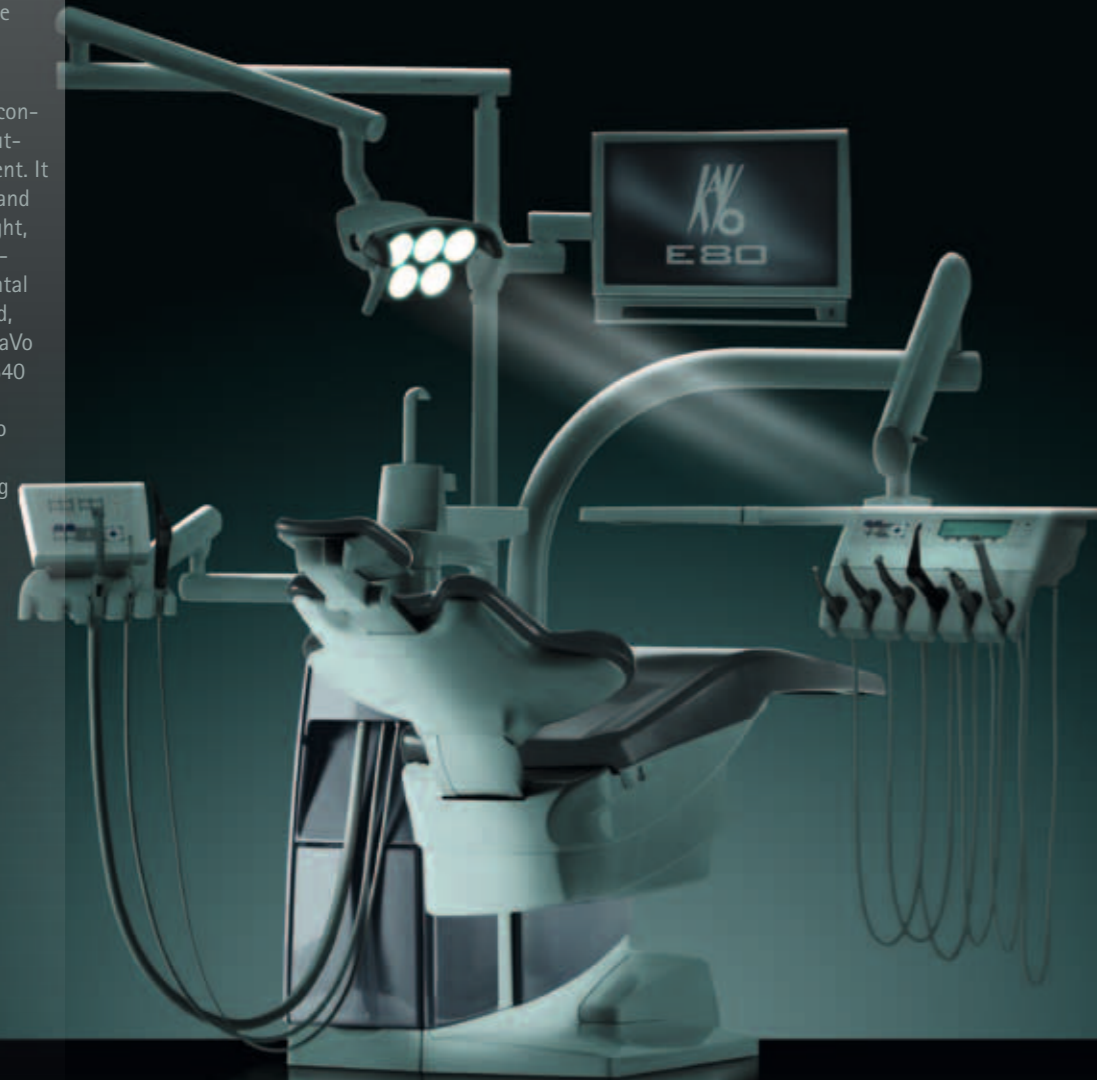
# 5-star light, for perfect dental illumination.

**Perfect light for the highest of demands.**

The KaVoLUX 540 LED, is the perfect supplement to your KaVo Treatment Centre.

The operating light can be controlled with the intuitive buttons of your dentist's element. It is also possible to activate and deactivate the operating light, via the automatic, programmable positions of your dental chair. Optimally coordinated, in combination with your KaVo dental chair, the KaVoLUX 540 LED offers perfect hygienic conditions, the highest KaVo quality, the longest service life and maximum operating comfort.

See excellent ergonomics in a new light.



KaVo. Dental Excellence.

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## The new KaVoLUX® 540 LED – the 5-star light for your practice

- ★ **Natural light with the highest quality**, due to four LEDs of different specification and a unique optical system
- ★ **Uniform light-field**, precisely defined and shadow-free, with an individualised light colour
- ★ **COMPOsave Mode** for problem-free processing of the filling material, without premature polymerisation
- ★ **Comfortable and practical handling**, due to contact-free operation and the lockable, 3D-joint
- ★ **Long service-life and minimum energy consumption**, with the most modern LED technology and fan-free cooling



### Technical Specifications

Input voltage	24 V AC
Frequency	50/60 Hertz
Power consumption	max. 35 VA
Illumination intensity	Approx. 8,000 LUX to 40,000 LUX
Colour temperature	Approx. 4,000 Kelvin to 6,000 Kelvin
Colour Rendering Index CRI	> 93 % (around 5,500 Kelvin / 6,000 Kelvin)



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KaVo Dental GmbH · D88400 Biberach/Riß · Tel. +49 7351 56-0 · Fax +49 7351 56-1488 · www.kavo.com

# We change your vision.



more information



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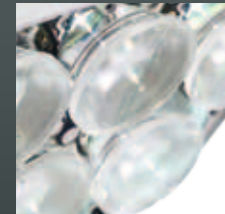


# Perfect illumination is a question of focus and vision.

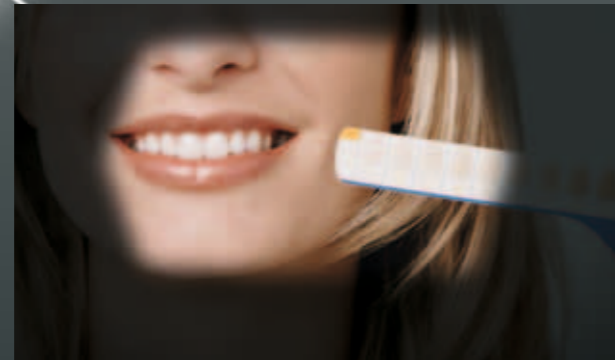
# The new KaVoLUX® 540 LED ...

# ... the 5-star light, for your practice.

## Natural light of the highest quality.



Ideal work conditions begin with the optimum vision. KaVoLUX 540 LED provides you with natural white-light, in the highest quality up to 40,000 LUX, from its unique visual system and four different coloured LEDs. The perfect colour mixture guarantees white-light, within the illumination field. The excellent Colour Rendering Index, allows you to make an exact comparison between tooth and composite colour, using the operating light mounted on your dental unit. Due to the natural and full spectrum quality of the KaVoLUX 540 LED, which is similar to daylight, whole new, previously unimagined possibilities open-up, for diagnosis and treatment.



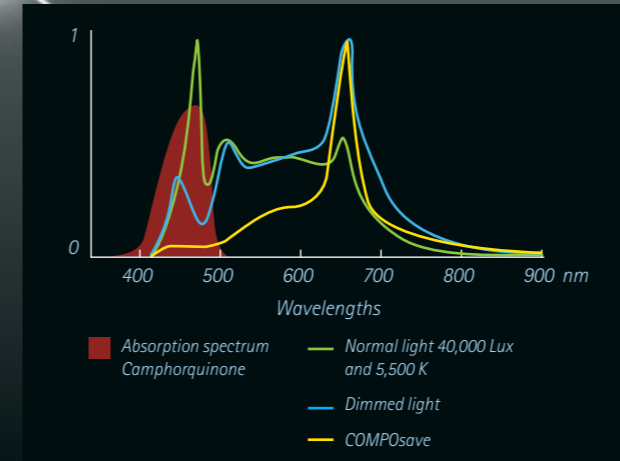
Make colour comparisons directly at the patient chair – due to natural light with excellent colour rendering.

## The best view for optimum processing.



A frequent problem: If the operating light is dimmed, the composite often hardens too quickly. This is not the case with the KaVoLUX 540 LED.

The innovative COMPOsave mode, filters-out all blue components of the light and thereby slows the hardening of filling materials. It is thus possible to adapt light-cured materials at a relaxed pace, without having to dim the light. With a brightness of 15,000 LUX, you always have the best view for optimum treatment and excellent results.



Processing composites at a relaxed pace – due to the minimal absorption spectrum of Camphorquinone and COMPOsave mode. Fig.: Colour spectra of different light modes and absorption spectrum of the most-used photo initiator.

## Ergonomic and comfortable.

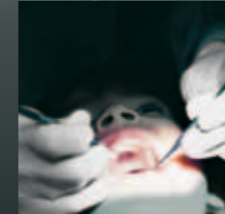


Ergonomic, practical, flexible: due to the unique, lockable 3D-joint, the KaVoLUX 540 LED has variable positioning. As needed, you can switch from the fixed 2D-mode to a flexible 3D-mode. The result: always excellent illumination of the entire treatment site, regardless of your position and that of your patients. And the operation? With the KaVoLUX 540 LED, it is particularly convenient. You can toggle-switch the light on and off, or operate it very easily and conveniently via the dentist element of your Treatment Centre. The KaVoLUX 540 LED is also controlled, in coordination with the automatic positions of your dental chair.



Simply hygienic: removable handles and a smooth interface, allow rapid and thorough disinfection. The touch-free operation, ensures minimum risk of cross contamination and therefore maximum safety for your patients.

## Uniform light-field



The ideal light-field, for excellent treatment results: homogeneous, precisely limited and reduced shadow formation. KaVoLUX 540 LED makes it possible and gives you the perfectly illuminated treatment site with up to 40,000 LUX. Would you like to adapt the light colour to your personal

needs? No problem: the colour temperature can be set in five stages – individually, completely according to your needs. This means you get an optimised view, with higher contrast and illumination of soft tissues. Due to its impressive light penetrating properties, even areas in the posterior region of the mouth are perfectly illuminated. This means that all details here seem sharper and can be recognised visually in an ideal way, without the eyes getting tired.

## Long life with low energy consumption.



The KaVoLUX 540 LED, gives you all of the advantages of cutting-edge LED technology. The energy-efficient LED's, achieve a service-life of up to 15 years and spare your budget, due to minimal energy and maintenance costs. Due to intelligent temperature management, the LED's requires no noisy cooling fan, which ensures a relaxed working atmosphere.

LIGHT, YEARS AHEAD OF ITS TIME

5 stars by KaVo



red dot design award: The design of your KaVoLUX 540 LED is perfectly thought-out. Its modern LED technology produces perfect light even for the most challenging situations to ensure perfect working conditions. „red dot“ stands for innovative product solutions and high quality.

