

DTEC
LIGHTING SYSTEMS

Good lighting
– for better care





Look after your eyes

Over the course of a working day your eyes need to adjust thousands of times between the light from the powerful operating lamp around the patient's mouth and the lighting in the surrounding environment. Excessive contrast in lighting conditions causes unnecessary strain, which results in tiredness, headaches and pain in the neck and shoulders.

The right lighting enables you to work more comfortably and with greater precision. For that reason it is worth giving a little more thought to lighting. At D-TEC we have a great deal of experience of manufacturing high-quality lighting for working environments and we know what is required for optimal lighting conditions.

Softer contrast

D-TEC's electric lighting systems for dental care are aimed primarily at the area surrounding the patient, in other words the lighting immediately outside the light from the powerful operating lamp. Most equipment is located in this area and it is also the area where it is easier to adjust and soften the contrast in lighting conditions.

The ratio of lighting strength between the two areas where the most intensive work takes place should be 1:5. Therefore, if the light around the mouth is 25,000 lux, the light in the immediate surrounding area should be around 5,000 lux.



More light as we get older

We need stronger lighting as our eyes get older. We need to use more and more light bulbs in order to perform at the same level as we get older.

Year	Bulbs
A 20 year-old	10 bulbs
A 40 year-old	40 bulbs
A 60 year-old	80 bulbs



As close to sunlight as possible

Remember...



... soften the contrast between lighting conditions in different zones.



... remove unnecessary shadows, flicker and glare.



... use energy-efficient lighting that hardly gives off any heat.



... use lighting that provides the best possible colour reproduction.

The sun is our very best source of light, providing up to 100,000 lux on a beautiful summer's day. In some dental surgeries the light strength is only a few hundred lux which quickly causes the eyes to tire and leads to tension.

D-TEC's three different lighting systems – Denta Hybrid, Denta/Dentaplanus and Elipse – all provide high lux values – from 3,000 to almost 6,000 lux. We endeavour to get as close as possible to natural daylight with our products. All our fluorescent lamps have an RA index of over 93, which means that they provide close to perfect colour reproduction. This, combined with a correct colour temperature, makes for extremely high-quality lighting.

A better environment

Lighting systems from D-TEC are also a good choice in environmental terms. All our lighting systems are energy-efficient and have a long lifespan. All our lighting systems also help create a pleasant indoor environment since their upper surfaces are smooth and easy to clean.



Prepared for an LCD screen



Basic model

Denta Hybrid – for a unique working environment

Denta Hybrid is a pioneering lighting system involving a unique combination of fluorescent lamps and LED lighting which allows colours to change shade at the speed selected by you. It provides staff with perfect lighting for their work and a more agreeable working environment in which there is less stress, a greater ability to concentrate and better care. At the same time, LED lighting has a calming effect on your patients. If they feel safe and relaxed your workflow also becomes quicker and more efficient.

The Denta Hybrid lighting system is surrounded by a wide band of fluorescent lighting that helps reduce the contrast between the light from the operating lamp and the surrounding lighting conditions. It is fitted with a central area of LED lighting which has the ability to change colour. Different colour combinations can be programmed and a whole day's lighting can be simulated, from the shimmering light of dawn to the warm light of dusk.

Denta Hybrid is a pioneer in the dental industry which helps you raise your company's profile and become more competitive.

Facts: Denta Hybrid

- High power – 4,000 lux.
- LED lighting with up to 250 different colours.
- Environmentally friendly and energy-saving.
- Dimmer switch and indirect light (upward lighting).
- Optional LCD screen.
- Size: 1,561 x 780 x 56 mm.
- Weight: 22 kg.

Denta/Dentaplus – our best-selling lighting system

Dentists and dental care professionals all over the world use Denta and Dentaplus, our most popular lighting systems which provide maximum lighting power and optimal colour reproduction. Denta is our standard model, with lighting power of up to 4,000 lux, while Dentaplus is dimmable, producing between 280 and 5,800 lux.



Facts: Denta/Dentaplus

- High power – Denta 4,000 lux, Dentaplus 5,800 lux.
- Environmentally friendly and energy-saving.
- Dimmer switch and indirect light (upward lighting).
- Size: 1,355 x 700 x 55 mm.
- Weight: 11 kg.

Elipse – neat, smart and efficient

Elipse is a flexible, functional light that meets the most stringent requirements imposed by dental professionals in their working environment. Elipse actually consists of three long thin lamps in a U shape. This gives it an elegant look and enables light to be diffused efficiently, without glare or shadows.

The area between the lamps provides space for an LCD screen, operation lighting or other suspended equipment.



Facts: Elipse

- High power – 3,000 lux.
- Environmentally friendly and energy-saving.
- Dimmer switch and indirect light (upward lighting).
- Optional LCD screen.
- Size: 1,675 x 1,345 x 80 mm.
- Weight: 29 kg.

About D-TEC

D-TEC AB is a Swedish export company which specialises in production of high quality workplace lighting for discerning customers. The company was founded in 1989 in the area around Gothenburg.

Our products are marketed by a large number of skilled companies in Europe, Asia and the USA. We work with a network of retailers in 29 countries in all.

D-TEC works hard to protect people and the environment. For each lighting product sold, the company donates SEK 50 to Lions SightFirst – an aid programme working throughout the world to restore blind people's sight.

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SightFirst



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