

Light sources
Product catalogue

Introduction

Light is fantastic

There's something special about light. How it affects us in ways we don't even think about. Light can transform a scary monster into a harmless plant in an instant. It shows you the way on dark nights and it makes you sneeze on a sunny day. Light can influence the mood in a room, a building or even an entire town.

Light makes us feel good, both physically and mentally - something which has been proven countless times by both scientists and companies. We are using this knowledge to develop innovative lighting that makes a difference.

The fact is that well-designed lighting in the workplace doesn't just make you more efficient; it also reduces eye strain and makes you feel better once the working day is done. Good lighting also allows your patients to feel safe and relaxed.

This is what our work is about - designing and manufacturing the best possible lighting for you and your patients.

D-TEC

Designed. For your eyes.

For workplaces with the highest requirements

D-TEC's products are developed to meet the stringent requirements for clinical workplaces. These are workplaces where concentration and making the right decision play a vital role. Furthermore where eye comfort, lighting quality and hygiene are vitally important.

- Healthcare
- Dentistry
- Animal care
- Laboratories
- Medical and dental technology
- Aesthetic medicine

Halo

With a striking and compact design, this is technology you do not see, but do not want to be without. Like a halo, it floats over you.

[Read more about Halo on the next spread.](#)

LEDs in brief

Technically-speaking, LEDs are semiconductor diodes which radiate electro-luminescence, emitting light when a barrier layer is connected to electricity.

The abbreviation LED stands for "Light Emitting Diode". LEDs are powerful light sources, which last for a long time and use very little energy, making them an obvious choice as a light source of the future.

Here at D-TEC, we use LEDs to be able to provide low-energy lighting units which create good light ergonomics with outstanding colour reproduction, as well as shadow and glare-free lighting.

- Good colour reproduction
- Low heat radiation
- Rapid on time illumination and brightness
- Tolerates knocks and vibration

Halo

H1200

Ambient lighting



Brightness	Light source	Colour temp.	Weight	Dimensions	Optional
200-3,000 lux/1,2 m	LED 100 W	5,500K RA90	16 kg	1,200 x 600 mm	Flat screen bracket



Flat screen bracket as optional extra

Colour reproduction as seen through a spectroscope:



The remote control supplied has three pre-programmed presets for different modes, such as treatment, viewing X-rays, and working with composite materials. The remote control also controls the dimmer function.

An illuminating choice

Halo is a light unit which combines the latest LED technology with world-class design and eye-comfort. Halo is optimised for the most demanding working environments, is efficient and easy to keep clean. The unit also has outstanding colour reproduction, as well as a shadow and glare-free lighting with a brightness of up to 3,000 lux. With the latest LED technology, Halo can reduce energy usage by as much as 70% compared with standard light fittings.

Halo's sleek and smooth design makes it easy to clean, and the light source itself is enclosed, which effectively means that Halo is maintenance-free. Halo is ideal for working environments requiring optimum lighting, which have stringent requirements for hygiene and safety. Halo is also entirely silent thanks to the self-cooling aluminium construction, which generates hardly any heat at all.

- Outstanding colour reproduction
- Shadow and glare-free
- IP30 rated
- Low energy consumption

Denta

Maximum brightness. Maximum colour reproduction. The units in the Denta range leave nothing to chance.

[Read more about Denta on the next spread.](#)



Fluorescent lighting in brief

Fluorescent lighting is a gas-discharge light source. Modern fluorescent lighting can use as little as a tenth of the energy used by a standard light bulb.

There are also different types of specialist lights with a lifespan of up to 80 times longer than a normal bulb. Today there are light units with a variety of brightness levels, variations of colour reproduction and temperature. A rule of thumb is that the better colour reproduction you require, the more you lose in light output. However, this is where D-TEC's solutions excel and make a difference.

Our lighting units use daylight fluorescent T5, which is environmentally-friendly and has a very low energy consumption. This helps our units to be very energy efficient without any loss of light output.

- Long lifespan
- High level of operational safety
- Good colour reproduction

Denta/Dentaplus

T5628EL/T5654ELD

Ambient lighting



Denta	Brightness 4,000 lux/1.2 m	Light source 6 x 28 W	Colour temp. 6,500K RA85 or 4,000K RA85	Weight 11 kg	Dimensions 1,355 x 700 x 55 mm	Optional Indirect light
Dentaplus	280-5,800 lux/1.2 m	6 x 54 W	6,500K RA93 or 4,000K RA93/RA85			



Denta Mid

T5454EL

Terminal or diffuse lighting

Brightness 4,500 lux/1.2 m	Weight 9 kg
Light source 4 x 54 W	Dimensions 1,355 x 525 x 55 mm
Colour temp. 6,500K RA93 or 4,000K RA93/RA85	Optional Dimmer

Optimal lighting

Denta/Dentaplus is D-TEC's most popular lighting system with both maximum brightness and colour reproduction. The units are used in clinical settings all over the world. Denta is a standard model with a brightness of up to 4,000 lux, while Dentaplus is dimmable, and can vary between 280 and 5,800 lux.

Denta Mid is a smaller model in the Denta range, with the same great properties. Denta Mid can either be used as terminal lighting or diffuse lighting over surfaces which need a more gentle spread of light.

- High brightness
- Optimal lighting for maximum effect
- Shadow and glare-free

Primo/Primo Mid

G6254EL/ G6224EL

Terminal lighting



Primo	Brightness 6,400 lux/0.6 m	Light source 2 x 54 W	Colour temp. 6,500K RA93 or 4,000K RA85	Weight 7 kg	Dimensions 1,207 x 207 x 56 mm	Optional Dimmer
Primo Mid	3,400 lux/0.6 m	2 x 24 W		4 kg	607 x 207 x 56 mm	



Primo U

G66U3ELI

Terminal or diffuse lighting

Brightness 3,900 lux/1.2 m	Weight 18 kg
Light source 4 x 54 W/2 x 24 W	Dimensions 1,416 x 1,024 x 55 mm
Colour temp. 6,500K RA93	Optional Flat screen bracket

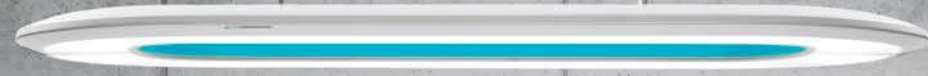
Brilliant options

Primo is the latest addition to D-TEC's lighting solutions. Primo has been developed to provide focused and 100% correct light for terminals. It often complements our other models to provide consistent and good lighting throughout the entire working environment.

Primo Mid has the same properties as Primo, it's just shorter. It is perfect for placement above computer terminals, laboratory benches and shorter work benches, in fact anywhere requiring good lighting over a smaller area.

Primo U is a smooth and functional unit which meets the stringent requirements that professional users require of their working environment. Primo U 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 open area between the lamps provides space for a flat screen, operation lighting or other suspended equipment.

- High brightness
- Indirect light as standard
- Shadow and glare-free



Denta Hybrid

A unique combination. Two worlds meet and create a powerful impact in perfect symbiosis.

Read more about Denta Hybrid on the next spread.

Combination of LEDs and fluorescent lighting in brief

This combination creates both a calming effect thanks to the LED technology and a reduced contrast to the ambient lighting thanks to the fluorescent loop.

One of the key reasons to using these two technologies together is to create perfect work lighting, as well as a more pleasant working environment where both staff and patients can feel relaxed.

At D-TEC, we are unique in offering units that combine both technologies.

- Best of both worlds
- Energy efficiency and colour reproduction
- Adjustable colour variation programmes
- Calming colours and reduced light contrast

Denta Hybrid

G6654ELI

Ambient lighting



Brightness	Light source	Colour temp.	Weight	Dimensions	Optional
4,000 lux/1.2 m	4 x 54 W/2 x 24 W	6,500K RA93	22 kg	1,560 x 780 x 55 mm	LED light, dimmer, flat screen bracket*



Flat screen bracket as optional extra*



The accompanying remote control allows you to control the LED lighting in the centre of the unit. You can easily choose between different fixed colours, dim the light or select a light programme.

A unique combination

Denta Hybrid is a pioneering lighting system involving a unique combination of fluorescent lamps and LED lighting which allows colours to change shade at a speed selected by you. It provides staff with perfect lighting for their work and a more agreeable working environment with less stress and a greater ability to concentrate. LED lighting also has a calming effect which can influence both staff and patients.

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 ambient lighting. 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.

- Calming colour show for stressed patients
- Space for a flat screen or operation lighting*
- Shadow and glare-free

*Cannot be combined with LED lights

D-TEC

About D-TEC

At D-TEC, we have over 25 years' experience of lighting. Our aim has always been to provide the best possible lighting conditions for the most discerning customers. For us, this means coming as close as possible to the world's best light source – the sun.

Our products are designed and manufactured to recreate natural daylight in your workplace. D-TEC is a Swedish company specialising in workplace lighting. Our aim is to provide companies, regardless of their size, with the highest quality lighting allowed by current technology.

We do this with a range of products which, thanks to its great flexibility, can be tailor-made to meet your exact requirements. In our choice of materials and production processes, our aim is clear: to optimise the quality of lighting and minimise any disadvantages. This uncompromising policy has remained unchanged since the beginning of 1989.





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