

Berlin, April 2006

**Light, design and efficiency – Semperlux presents lighting innovations at light + building 2006**

**From 23rd to 27th April 2006, the Berlin lighting manufacturer Semperlux is introducing a range of new product developments and applications for lighting at the International Trade Fair for Architecture and Technology in Frankfurt, Germany. These architecturally integrated solutions combine precision lighting engineering with optimum lighting comfort and enhanced energy efficiency for both interior and exterior lighting.**

This year's Semperlux presentation at the Frankfurt trade fair focuses on high-performance technology, minimalist and avant garde styles and intelligent light management. While the INTERIOR programme focuses on light as an integral component of architecture, the EXTERIOR programme focuses on economical and environment-friendly lighting solutions for outdoor lighting.

**Selected new products in the INTERIOR range**

Minimalism is a trend that can currently be observed in luminaire designs for interior spaces. Over and above this, criteria such as price and visual comfort also play a decisive role. According to Prof. Dr.-Ing. Paul W. Schmits, head of light applications at Semperlux, "As well as being timelessly beautiful, a luminaire also needs to be variable and efficient." The NEO is a perfect example of how both these requirements can be achieved together in a luminaire. The NEO succeeds in uniting what was previously considered to be a contradiction, namely style AND efficiency. With high quality materials such as special glass and chrome, it is a real eye catcher. The NEO | OPAL is the opal glass version of the NEO and ensures even light distribution both downwards and to the sides. NEO | PRISMA distributes a broad swathe of light through a microprism glass diffuser with a low indirect light proportion, thus generating a mild, well-balanced work light that is particularly suitable for computer workspaces. A variety of technical and intricately designed system parts give rise to randomly shaped light structures.



NEO | PRISMA

**Energy efficiency combined with state-of-the-art technology**

The new SATINLIGHTS® product range represents the next logical step forward in the development of architecturally integrated lighting. SATINLIGHTS® enable you to fuse together light, building and design, irrespective of room dimensions and architectural factors. With their natural appearance, outstanding light quality and dependable lighting technology, SATINLIGHTS® will blend superbly into all kinds of lighting environments.



SATINLIGHTS® Office

An important factor in the successful design of the SATINLIGHTS® range is a new concept in lighting known as Constant Luminance Technology (CLT). An integrated lighting monitor ensures luminaires always supply the same light values on a constant basis regardless of wear and tear or dirt. This inbuilt electronic sensor system ensures limit values prescribed for computer workspaces are never exceeded and that light strengths planned for rooms are kept to precisely at all times. This CLT technology is only activated when the lighting system is turned on, which means there is no need for stand-by mode or the wasted energy this is normally associated with. CLT enables a high standard of light engineering efficiency. Depending on the maintenance cycle for the lighting system, it is possible to save up to 20 percent on lighting energy.

Because luminaires fitted with CLT technology provide exactly the same amount of light at all times, users obtain precisely the quantity of artificial light they expect, or that they selected via the dimmer. As a result users have true lighting autonomy and are able to make conscious design decisions about lighting. CLT thus represents a viable ergonomic alternative to simple constant light systems. CLT technology is being premiered in the SATINLIGHT® Office range in a suspended and attachment luminaire which, in terms of technology and materials, is aimed at the modern, comfortable but businesslike office.

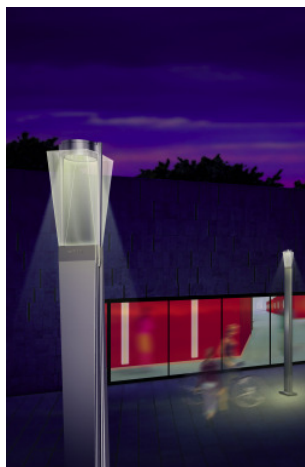
**Selected new products in the EXTERIOR range**

In times of rising energy costs, the DISCERA SOLAR luminaire is making an important contribution to conservation of resources and the environment in the field of lighting technology. The principle of solar luminaires is simple. Solar cells convert the light into electrical current. With the help of the solar generator, high performance batteries are charged up during the day, and then store the energy until it is used. The battery can store sufficient current to power the luminaire for up to two nights of normal use without having to be recharged – even during the winter. Solar luminaires represent an ideal solution for public park areas, pedestrian areas of all types and any areas that are accessible to solar energy, such as river embankments and seafronts, cycle paths, athletic tracks, skating areas or motorway car parks.



SONNE solar luminaire

The LACONA is an architectonic sculpture in light. With its stainless steel column, the high quality LACONA light stack is a truly impressive sight. The tried and tested “mini road” optic from se'lux directs light precisely onto the ground. Another optical choice is the highly efficient light guidance optics that use se'lux MTR-Refractor technology. The column incorporates two Halfen-profile carrier-tracks, where street furniture can be attached whenever required.



LACONA

The FIORE's organic design is combined with an environmental-friendly mast. When attached to a wooden pole, the FIORE PROVENCE fits perfectly in residential areas. The luminaire is made of high quality, durable materials. The indestructible pinewood pole acts as the carrier for the flower-shaped luminaire head, which is made of stainless steel and aluminium. The FIORE comes with the newly developed MTR 135 refractor. This unique and highly efficient optical system provides glare free light using the new clear tubular metal halide lamps for outdoor lighting.



FIORE

### **About the Semperlux group of companies**

Semperlux is one of the leading manufacturers of architecturally integrated lighting solutions in Germany and is based in Berlin. The company began in 1948 during the Berlin blockade – a time when electricity and light were extremely scarce – with a battery-charging device that went under the brand name SEMPERLUX (“Always light”). In the course of the following decades, a range of enterprising ideas gave rise to many innovative products. Whilst its INTERIOR lighting range is based on a system of architecturally integrated lighting systems for fluorescent lighting, the design-oriented EXTERIOR lighting range concentrates on the public lighting sector for streets and squares. The Semperlux group has previously been involved in important projects such as the German chancellor’s office, the new central station in Berlin and the new Mercedes Benz museum in Stuttgart and has around 385 employees worldwide. In 2005, the consolidated turnover for the Semperlux group of companies rose by 18 percent to 67 million euros. Their products, which are traded under the brand name se'lux, are manufactured in four production sites in Germany, France and the USA and distributed worldwide via ten of their own subsidiaries.

You will find Semperlux at light + building 2006 in Building 3.1, Stand B 81.

In case of any questions or if you require a brochure, please contact:

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