

Press release

March 2026

### **New High-Performance LED for Professional Plant Production**

With the new Gro-Lux® PRO Frame 720 FS Plus, Sylvania introduces a powerful LED plant growth luminaire specifically designed for professional indoor cultivation facilities. It sets new benchmarks in efficiency, yield, and crop quality, particularly for demanding applications such as the cultivation of medical cannabis and the high-intensity production of speciality crops.

#### **Above-average efficiency for higher yields**

The Gro-Lux® PRO Frame 720 FS Plus is based on a newly developed LED architecture that combines exceptionally high system efficiency with highly uniform light distribution. With a rated system efficacy of 3.0  $\mu\text{mol}/\text{J}$ , the luminaire achieves around 20 percent higher efficacy than the market average and delivers a PPF (extended PAR) of 2155  $\mu\text{mol}/\text{s}$ .

A precisely balanced Full Spectrum+ V2 replicates natural sunlight in a way that optimally supports all plant growth stages, from vegetative development to flowering. This results in measurably improved plant performance and higher yields. For professional producers, this means not only improved electrical efficiency but also a biological performance advantage that increases revenue per unit of energy used.

#### **Thermal design for demanding environments**

A key feature of the luminaire is its innovative thermal management. The integrated Aeroflow Cooling system significantly reduces operating temperatures, ensuring stable performance and supporting long LED lifetime.

The robust construction is designed for demanding environments and reliably protects against dust, dirt, and water residue. Thanks to its durable design, the luminaire is suitable for production environments with intensive cleaning and disinfection cycles, such as those found in pharmaceutical-oriented cultivation facilities.

In addition, tiltable ends allow adjustable beam angles for wide or normal beam distribution, improving light coverage and reducing edge losses. This provides clear advantages particularly in multi-layer plant rack systems.

#### **Fast installation and high system compatibility**

For installation, the Gro-Lux® PRO Frame 720 FS PLUS features an advanced plug-and-play design. With an installation height of only five centimetres, it can be easily integrated into compact rack systems.

Quick-Connect mains & through wiring enables fast and simple installation, while Sylvania Light Link improves fixture co-operation when multiple luminaires are used within a single frame system. High

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compatibility with existing control solutions and Dim to Off functionality further simplifies integration into established cultivation environments.

### **Long service life and reliable operation**

Additional operational safety is provided by a 200 µs inrush duration, which significantly reduces electrical stress during start-up.

Combined with a lifetime of up to 100,000 hours, this helps reduce replacement intervals and maintenance costs while lowering overall operating expenses over the lifecycle of the installation. For commercial producers operating year-round, this represents an important factor for economic efficiency.

### **More than 60 years of horticultural lighting expertise**

Sylvania brings more than six decades of experience in horticultural lighting to the development of the Gro-Lux® PRO Frame series. With the Gro-Lux® PRO Frame 720 FS Plus, the company further expands this expertise and provides a future-ready platform for modern plant farms, research applications, and pharmaceutical-grade cultivation facilities.

The luminaire integrates seamlessly into existing systems and meets the high requirements for reliability, energy efficiency, and reproducibility expected in today's professional growing environments.

Further information: [www.sylvania-group.com](http://www.sylvania-group.com)

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Image material is available at:

<https://publictouch.de/pt-news/new-high-performance-led-for-professional-plant-production/>

# **SYLVANIA**

## **Group**

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### **About Sylvania Group:**

Sylvania Group is a major player in the global lighting market offering innovative and sustainable solutions for professionals and consumers. We are present in more than 50 countries with 1,200 employees.

With over 120 years of expertise, Sylvania Group manufactures and markets eco-responsible and digital lighting solutions.

We support our customers throughout their projects with a comprehensive range of services.

Our European production sites enable us to provide standard and customised solutions while limiting our carbon footprint. In 2024, we were awarded Ecovadis Silver status, confirming our social and environmental commitment.

Our expertise and capacity for innovation are underpinned by our two historic brands, Sylvania and Concord. Energy efficiency, sustainable development, digitalisation, well-being and quality of light are at the heart of our mission.

With over a century of expertise, the group's flagship brand, Sylvania, has made its mark in offices/education, industry/logistics and the hospitality (hotels, restaurants) sector by combining performance, a wide range and eco-responsibility.

The Concord brand is dedicated to architectural lighting for galleries, museums and retail outlets. Its exceptional products have been recognised for their design and technical performance for over 60 years.

We offer professionals a wide range of technical and connected luminaires. These offer simple, effective solutions for maximum energy savings.

For consumers, we offer high-performance, solar-powered and connected solutions to simplify everyday life, from the home to the garden.

Sylvania Group, whose legal entity is FEILO Sylvania, is owned by INESA (Group) Co. Limited, based in Shanghai (China), principally engaged in the manufacture and distribution of lighting equipment.

For more information: [www.sylvania-group.com](http://www.sylvania-group.com)

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