

SYLVANIA



GroXpress LED Toplight for Horticulture



GroXpress LED 340W FullSpectrum+

GroXpress LED 340W FullSpectrum+ is a dimmable, low-profile luminaire designed for use in the horticultural industry. This LED toplight has been carefully engineered so that the light penetrates deeper into the plant, leading to increased growth rates of indoor grown flowers, vegetables and crops.

groxpressled.com



GroXpress 340W FullSpectrum+



Demand for Horticultural indoor farming is growing due to the increasing demand for year-round food, flowers and medicinal plants. With this demand comes an increase in research into the impact of light sources on yield. Sylvania continues to incorporate this knowledge to develop more efficient and cost-effective lighting solutions which extend the growing season of the plants and increase the yield and quality of the crop.

GroXpress LED 340W FullSpectrum+ is the newest addition to Sylvania's Horticulture LED range and has been developed for smaller spaces and growing racks with low ceilings. It consists of four LED modules which create a large lighted area enabling light to penetrate deeper into the plant, thus increasing growth rates and yield. Sylvania's plant specific and proven FullSpectrum+ has been incorporated into this luminaire, therefore ensuring superior results in all stages of growth and bloom.

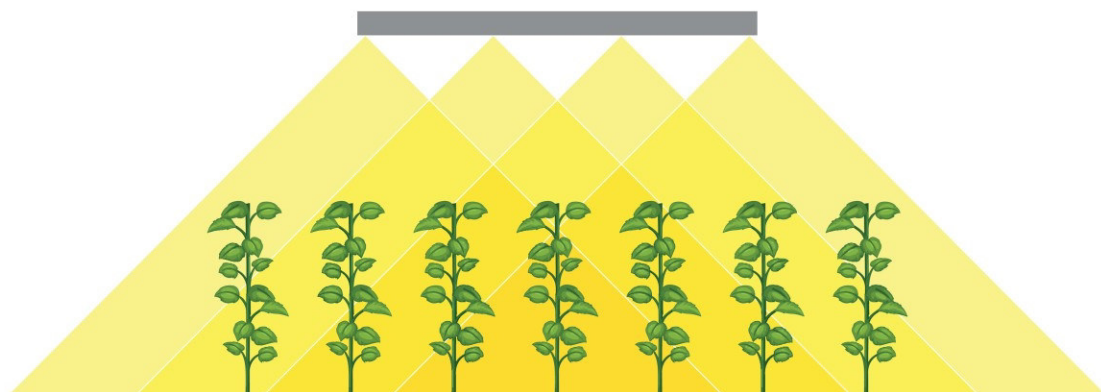
Features

- Consists of four LED modules which create a large lighted area (100x100cm for maximum uniformity) enabling light to penetrate deeper into the plant - "3D plant lighting"
- Uses Gro-Lux FullSpectrum+ ; a plant specific spectrum for all stages of plant growth, optimised for applications without natural sunlight
- Suitable for plant production in 80x80cm or 100x100cm areas with first-class photosynthetic and morphologic spectrum
- Max. Output of ~800 $\mu\text{mol/s/m}^2$ in 50cm distance
- Suitable for low ceilings or growing racks – just 55mm in height
- Dimming switch located on the luminaire for easy operation- no accessory required
- Passively cooled – increased LED board surface area leading to increased cooling for maximum performance and lifetime
- Plug in and grow – includes power cable and two different hanging solutions
- Made of anodised aluminium, to protect against rust and extend the life of the product
- Engineered in Belgium
- 3 year warranty

Product information

Code	Description	Diameter (mm)	Total Length (mm)	Wattage (W)	Voltage (V)	Lamp Current (mA)	Beam angle (°)	Photosynthetic Photon Flux incl. Far-Red ($\mu\text{mol/s}$)	Photosynthetic Photon Efficacy incl. Far-Red ($\mu\text{mol/J}$)
Gro-Xpress LED									
0020930	Gro-Xpress LED Toplight Fullspectrum+	53	653*676	340	220-240	1643mA	120	780	2.3

Additional Images

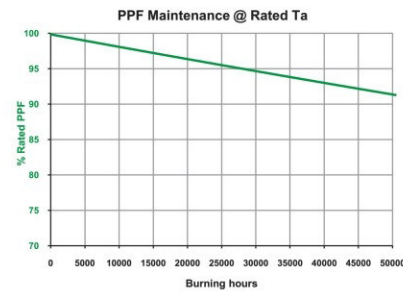
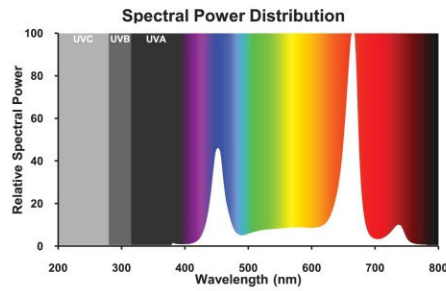
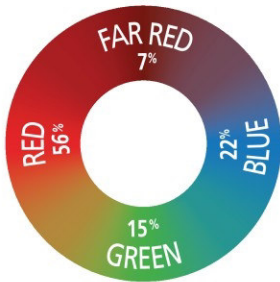


3D plant lighting - overlapping light sources to create a large lit area

GroXpress 340W FullSpectrum+



Photometric Data



Blue Spectrum

Mainly active for vegetative growth. Blue has, for example, influence on the height and the morphology of the plant's leaves.

Green Spectrum

Most of the green light will be reflected. However small amounts of green light can enhance plant growth.

Red Spectrum

Active for vegetative growth and flowering. Highest absorption wavelength for chlorophyll.

Far Red Spectrum

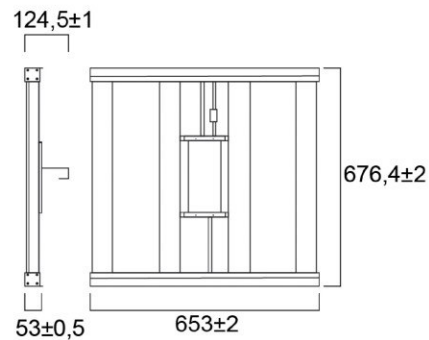
Low photosynthetic effect. Active for flowering. Important morphology effects.

FullSpectrum+

447	455	540	596	624	599	594	519	449	429
467	536	596	657	684	701	650	589	498	445
507	574	642	713	740	737	695	642	548	479
510	613	675	746	785	782	744	671	585	516
501	615	698	756	805	799	753	685	603	517
488	597	687	749	795	790	751	670	592	498
496	593	642	724	767	753	723	653	568	476
462	543	605	664	698	712	678	611	515	428
412	468	527	601	630	613	580	518	455	388
363	396	445	481	502	494	462	415	353	328

PPFD (incl Far-Red) Mapping at 50cm distance on a 1.0m x 1.0m surface

Dimensions (mm)



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Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Current details should therefore be checked with Feilo Sylvania International Group Kft.

Feilo Sylvania Germany GmbH
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groxpressed.com