

LEDFan Greenhouse Toplight

By growers for growers

**Considerable
cost savings
on lighting
+ heating**

Product Information

LEDFan Toplight has been developed by growers for growers as the most ideal replacement for traditionally 1000W High Pressure Sodium fixtures as it combines the advantages of LED and HPS. The unique design of LEDFan uses an innovative solution to provide better heat management to the greenhouse, which results in considerable savings on heating costs on top of the huge reduction in the lighting energy costs. Switching to this LED grow light, growers can increase yield not only by providing the optimal amount of photons to their plants, but also by lowering humidity, which reduces CO2 loss, nutrient deficiencies, and the risk of plant diseases.

By connecting Food Autonomy's MultiMesh Lighting Control Platform and HLP (standardized Horticultural Lighting Protocol), thousands of grow lights can be controlled via climate computer and growers are provided with an abundance of information to support their daily operations. Read more at www.foodautonomy.org/en/products/cultimesh

Product Specifications

Product ID	Module	Growth Spectrum	Nominal Power (W)	PPF (Mmol/S)	Efficacy (Mmol/J)	Efficacy When Dimmed To 50%	Optics	Control	Mounting
FA GLIN4V 3H HRLB	3	HRLB	1040	4000	3,85	4,2	W45 Wide Beam	Wireless dimmable with up to 4-channel option	Bracket
			1195	4300	3,6	3,95			
FA GLIN4V 3H HRLBW	3	HRLBW	1040	3940	3,8	4,2			
			1190	4275	3,6	3,95			

HR= High Red, LB=Low Blue, W=White, FR= FarRed

Note: Above grow lights are given as examples, spectrum, power, light intensity and efficiency can be customized according to the needs.

Key Technical Features

- Integrated ventilators for downwards distribution of heat
- Wireless dimming
- L90 >50 000 hrs
- Ingress protection: IP66
- Passive & active cooling of drivers & LEDs
- Simple hanging system for easy installation
- Impact resistant design made of glass and aluminum
- Painted white finish
- Regulatory approvals – CE, RoHS



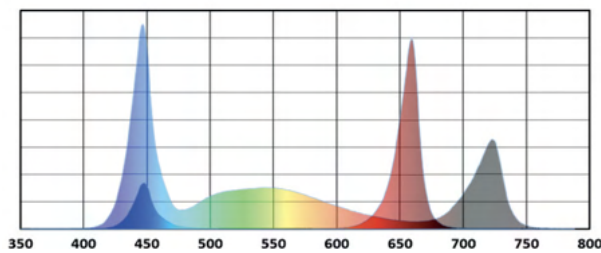
**4-channel
option with wireless
dimming available!**

Application Areas

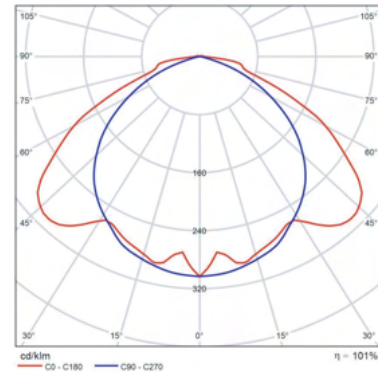
- Fruits and vegetables such as strawberries, tomatoes, cucumbers, lettuce
- Flowers and potted plants such as chrysanthemums, roses, orchids

Spectral Distribution

(Tailored to Customer's needs)



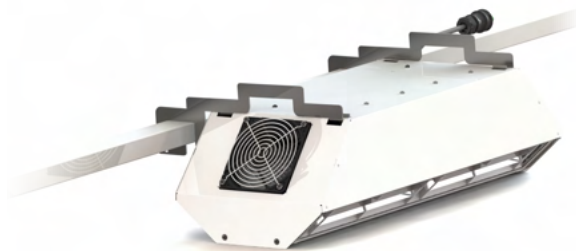
Photometric Data



Mounting

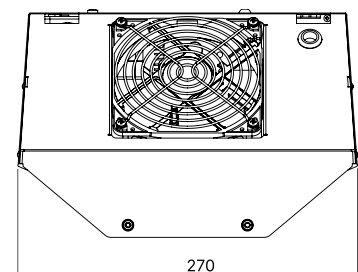
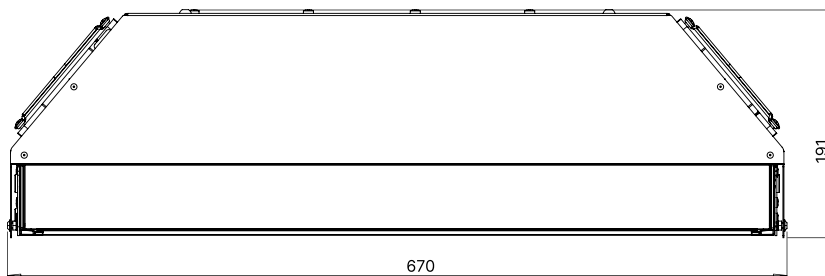
For simple replacement of existing HPS fixtures LEDFan is provided with compatible connector (WIE MALE 96.032.0055.7) and mounting brackets that are designed to meet the requirements of the specific application.

Examples:



Dimensions

Weight: 12,5 kg



At Food Autonomy, we are constantly developing and improving our products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, Food Autonomy cannot accept any liability arising from the reliance on such data to the extent permitted by law.

LEDFan Greenhouse Toplight Datasheet – January 2024