

**SYLVANIA**



## Gro-Lux® LED E27

The original plant growth lamp



Following Sylvania's invention of the world's first light sources for plant growth in 1962, we have maintained a passion for excellence. Our **Gro-Lux®** lamps have achieved among the highest sustained photosynthetic efficacies in the world, and that same technical leadership has now been applied to our **Gro-Lux® LED** lamps.

by **FEILO SYLVANIA**

## Gro-Lux® LED Flowering and vegetative lamps

### IMPORTANCE OF LIGHT

Light is the energy that is needed by plants to produce food and other nutrients required for growth and flowering. Plants are unique in that they are the only organisms that can convert light into food. The process is called photosynthesis.

### GRO-LUX® IS A PLANT GROWTH LAMP

A plant growth lamp is a lamp that produces the proper balance of blue and red energy needed for plant growth, and has its major output in these two regions. It is designed to provide this energy for plants, and for no other purpose.

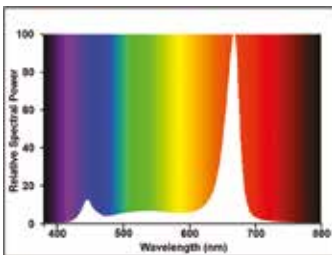
### MAIN FEATURES

- E27 base / 120-240V
- IP44 rated
- 17W for both spectrum
- Photosynthetic efficacy up to 2.3 $\mu\text{mol}/\text{J}$
- 25,000hrs L<sub>70</sub>B<sub>50</sub> flux maintenance

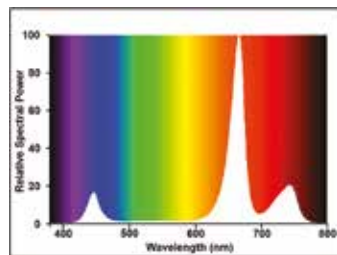


Item number	Description	Spectrum	Lamp Wattage (W)	Voltage (V)	Frequency (Hz)	Beam Angle (°)	Photosynthetic Photon Flux - PPF ( $\mu\text{mol}/\text{s}$ )	Photosynthetic Efficacy ( $\mu\text{mol}/\text{J}$ )	Photosynthetic Photon Flux Density - PPFD at 1m ( $\mu\text{mol}/\text{s}/\text{m}^2$ )	Lifetime at Ta 25°C (hrs)
0020965	Gro-Lux® LED E27 Vegetative	White and Deep Red	17	120-240	50-60	115	39	2.3	13	25,000 L <sub>70</sub> B <sub>50</sub>
0020966	Gro-Lux® LED E27 Flowering	White, Blue, Deep Red and Far Red	17	120-240	50-60	115	31	1.8	10	25,000 L <sub>70</sub> B <sub>50</sub>

### Spectral Data

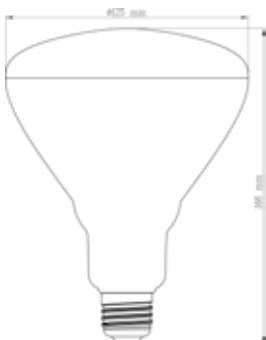


Gro-Lux® LED Vegetative



Gro-Lux® LED Flowering

### 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 Europe Limited.

by **FEILO SYLVANIA**