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.

The original plant growth lamp

Gro-Lux® LED E27
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.

Product information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Spectrum</th>
<th>Voltage (V)</th>
<th>Power (W)</th>
<th>Frequency (Hz)</th>
<th>Beam Angle (°)</th>
<th>Photosynthetic Photon Flux (μmol/s)</th>
<th>Photosynthetic Efficacy (μmol/J)</th>
<th>Photosynthetic Photon Flux Density - PPFD at 1m (μmol/s/m²)</th>
<th>Lifetime at Ta 25°C (hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0020965</td>
<td>Gro-Lux® LED E27 Vegetative</td>
<td>White and Deep Red</td>
<td>120-240</td>
<td>17</td>
<td>50-60</td>
<td>115</td>
<td>39</td>
<td>2.3</td>
<td>13</td>
<td>25,000 L70B50</td>
</tr>
<tr>
<td>0020966</td>
<td>Gro-Lux® LED E27 Flowering</td>
<td>White, Blue, Deep Red and Far Red</td>
<td>120-240</td>
<td>17</td>
<td>50-60</td>
<td>115</td>
<td>31</td>
<td>1.8</td>
<td>10</td>
<td>25,000 L70B50</td>
</tr>
</tbody>
</table>

Spectral Data

Dimensions (mm)

Additional Images

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.

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