Especially designed for your vertical growth system, the High Output version of our Philips GreenPower LED production module range is the best solution for new installations, or for existing installations to replace fluorescent tubes. Due to its high light output, it is easily possible to reach higher light levels per m². Or install to 25% fewer modules to cover the same area*, making this a very economic investment. Combined with its high energy efficiency and low radiant heat, the GreenPower LED production module High Output is the cost-effective way to improve climate and crop control for indoor cultivation environments.

Key benefits
• Controlled, uniform, high-quality (young) plant yield
• Cut investment costs by installing 25% fewer High Output modules for the same light level*
• Reduce energy costs up to 75% compared to fluorescent lamps
• Apply custom light recipes to improve crop quality with two spectral versions
• Maintain optimal conditioned environment thanks to low heat radiation

The GreenPower LED production module High Output is optimized for closed, climate-controlled cultivation facilities, such as city/vertical farms, propagation and research centers that use multilayer growth systems to grow crops such as:
• Leafy vegetables and herbs
• Bedding plants and perennials
• Tulips
• Soft fruits

*Compared to GreenPower LED production module deep red/white/far red or deep red/blue/far red
Best business results through solutions tailored to your crop and growing conditions

The right light, at the right time, in the right place
Different plants have different light needs. Philips offers a choice of ‘light recipes’ – dedicated combinations of spectrum, intensity, timing, uniformity and positioning – that it has developed over many years of cooperation with city farmers, greenhouse growers, universities, and research organizations. These light recipes make it possible to steer specific plant characteristics such as compactness, color intensity and branch development, resulting in optimized crop yield and quality. The production module High Output comes in two LED combinations: DR/W/FR and DR/B/FR.

Blue (B) positive effects on compactness and hardening
White (W) working light / full spectrum
Deep red (DR) most efficient for photosynthesis, vegetative reproduction and stimulating shoot development
Far red (FR) positive effect on generative properties, flower formation and rooting

Specifications

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photosynthetic efficacy</td>
<td>2.2 μmol/J</td>
</tr>
<tr>
<td>Power consumption</td>
<td>37 W</td>
</tr>
<tr>
<td>Dimensions (LxWxH)</td>
<td>151.3 x 40.5 x 40.2 cm / 59.57 x 1.594 x 1.583 inch</td>
</tr>
<tr>
<td>Weight (driver included)</td>
<td>1.7 kg / 3.7 lbs</td>
</tr>
<tr>
<td>Initial Photon Flux</td>
<td>83 μmol/s</td>
</tr>
<tr>
<td>Power input</td>
<td>120–277 V AC, 50–60 Hz</td>
</tr>
<tr>
<td>Power factor</td>
<td>&gt; 0.95</td>
</tr>
<tr>
<td>Lifetime</td>
<td>25,000 hrs, L90B50 (90% flux maintenance) (Ta 25 °C / 77 °F)</td>
</tr>
<tr>
<td>Ingress protection rating</td>
<td>IP66, UL suitable for wet locations</td>
</tr>
<tr>
<td>Cooling</td>
<td>Passively air-cooled</td>
</tr>
<tr>
<td>Approval marks</td>
<td>UL, CE, RoHS, ISO</td>
</tr>
<tr>
<td>Accessories</td>
<td>Comprehensive range of accessories available for easy and quick installation</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 years</td>
</tr>
</tbody>
</table>

Easy to install

up to 2.2 μmol/J

25,000 hours lifetime