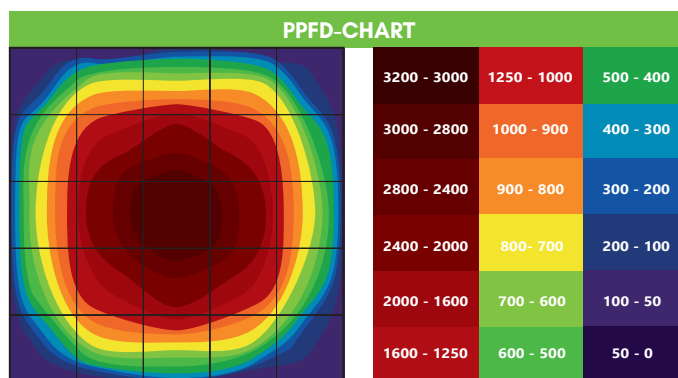
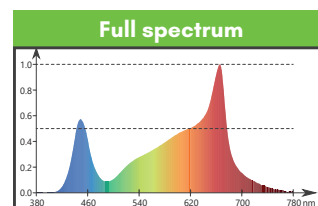
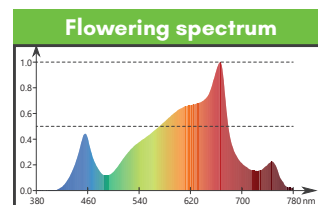
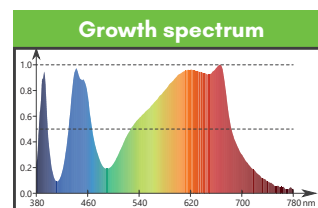
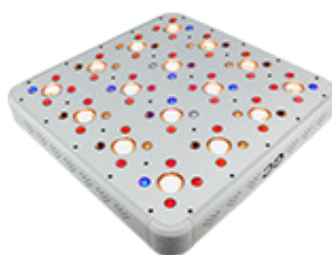
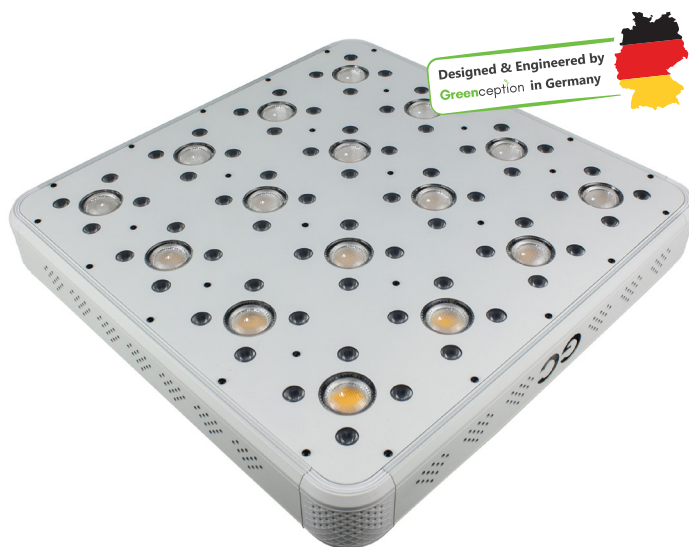


# Greenception LED GC 16

The GC 16 was designed as a 1: 1 replacement for existing sodium vapour lamps. It delivers the same crop yield whilst saving up to 40 per cent in energy. The GC 16 can be switched. The light spectrum as well as the energy consumption can be adjusted to the respective phase (full spectrum/growth/bloom).

16 highly efficient full spectrum PAR COB chips are the key components of the lamps. This chip is supplemented by 4 x SMD chips per module. These supply additional blue, red or infrared frequencies to support the cultivation of your favourite plants during their growing and flowering phases in a particularly targeted way.

Data sheet	GC 16
<b>Number of clusters</b>	16
<b>Number of switch steps</b>	4
<b>Power consumption</b>	512 W
· 2 x full spectrum	64 W
· 4 x full spectrum	128 W
Growth spectrum	64 W
Flowering spectrum	256 W
<b>Equivalent to ND lamps</b>	600 W NDH/HPS
<b>Dimensions</b>	525 x 525 x 70 mm
<b>Weight</b>	9.86 kg
<b>Photons flux density (15cm)</b>	~ 2700 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$
<b>Photons flux density (30cm)</b>	~ 2200 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$
<b>Efficiency (Depending on switch step)</b>	2.4 – 2.8 $\mu\text{mol}/\text{J}$
<b>Start-up/ignition time</b>	<1 Sec.
<b>Housing colour</b>	White
<b>Beam angle</b>	COB: 90°, LED: 90°
<b>Nominal service life</b>	40,000 hrs.
<b>Switching cycles</b>	> 50,000
<b>Cable</b>	IEC C13/C14
<b>Voltage</b>	220-240V ~50-60Hz
<b>Material</b>	<ul style="list-style-type: none"> <li>· Coated metal</li> <li>· Aluminium</li> <li>· Hard plastic</li> </ul>
<b>Built-in chips</b>	<ul style="list-style-type: none"> <li>· 660nm red: Osram Oslon SSL</li> <li>· 6400 K White: CREE XP-E</li> <li>· UV: Nichia NVSU</li> </ul>
(COB: Trade secret Optimised for use the cultivation of plants. Spectrum follows the McCree-curve. ca. 3,150 K, CRI = min. 85)	



Area: 100 cm x 100 cm, Height: 30 cm

