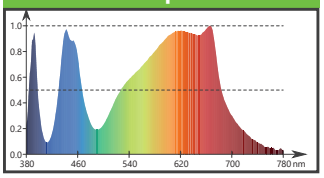
Greenception LED GC 4

The GC 4 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 4 can be switched. The light spectrum as well as the energy consumption can be adjusted to the respective phase (full spectrum/growth/bloom).

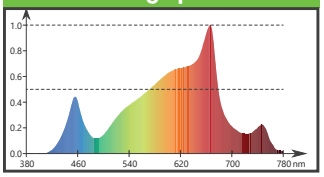
Four highly efficient full spectrum PAR COB chips are the key components of the lamps. This chip is supplemented by 4 x SMD chips per module. These supply additional blue, red or infrared frequencies to support the cultivation of your favourite plants during their growing and flowering phases in a particularly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

Data sheet	GC 4
Number of clusters	4
Number of switch steps	3
Power consumption	128 W
Full spectrum	64 W
Growth spectrum	32 W
Flowering spectrum	32 W
Equivalent to ND lamps	250 W NDL/HPS
Dimensions	285 x 285 x 70 mm
Weight	2.94 kg
Photons flux density (15cm)	~ 2100 µmol/(m²*s)
Photons flux density (30cm)	~ 1500 µmol/(m²*s)
Efficiency (Depending on switch step)	2.4 – 2.8 µmol/J
Start-up/ignition time	<1 Sec.
Housing colour	White
Beam angle	COB: 90°, LED: 90°
Nominal service life	40,000 hrs.
Switching cycles	> 50,000
Cable	IEC C13/C14
Voltage	220-240V ~50-60Hz
Material	• Coated metal • Aluminium • Hard plastic
Built-in chips (COB: Trade secret Optimised for use the cultivation of plants. Spectrum follows the McCree-curve. ca. 3,150 K, CRI = min. 85)	• 660nm red: Osram Oslon SSL • 6400 K White: CREE XP-E • UV: Nichia NVSU

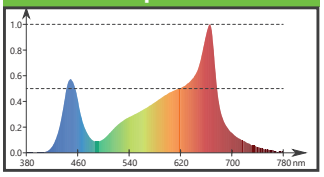
Growth spectrum



Flowering spectrum



Full spectrum



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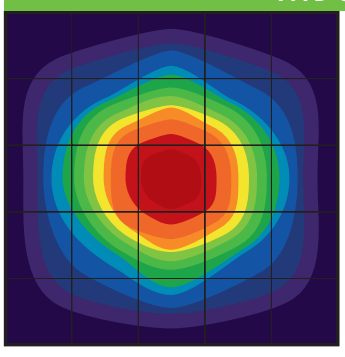

Area: 100 cm x 100 cm, Height: 30 cm

3200 - 3000	1250 - 1000	500 - 400
3000 - 2800	1000 - 900	400 - 300
2800 - 2400	900 - 800	300 - 200
2400 - 2000	800- 700	200 - 100
2000 - 1600	700 - 600	100 - 50
1600 - 1250	600 - 500	50 - 0