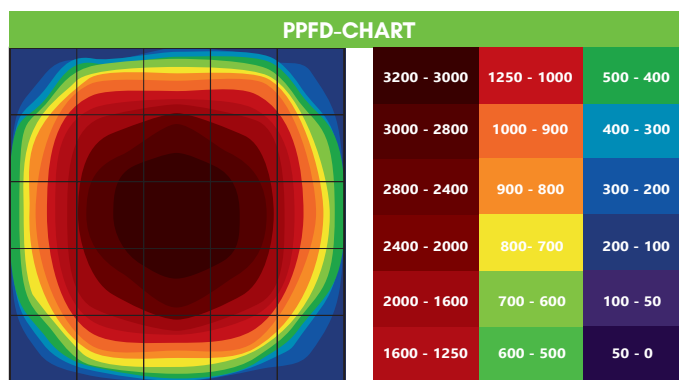
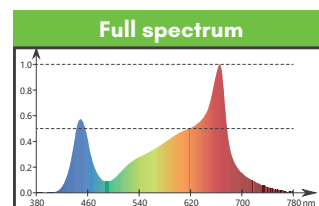
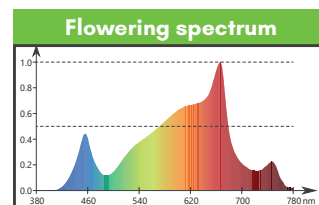
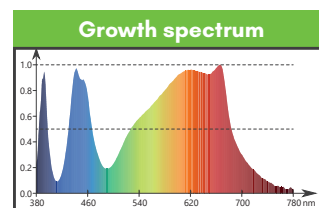
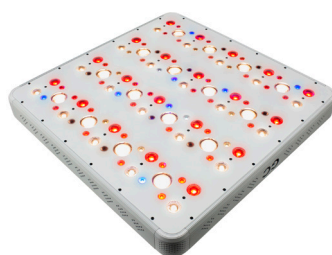


Greenception LED GC 16 plus

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 64 + 40 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 and are additionally dimmable.

| Data sheet | GC 16+ |
|--|--|
| Number of clusters | 16 |
| Number of switch steps | 4 |
| Power consumption | 700 W |
| · 2 x full spectrum | 64 W |
| · 4 x full spectrum | 128 W |
| · 1 x full spectrum | 112 W |
| Growth spectrum | 64 W |
| Flowering spectrum | 256 W |
| Equivalent to ND lamps | 1000 W NDL/HPS |
| Dimensions | 650 x 650 x 75 mm |
| Weight | 17.50 kg |
| Photons flux density (15cm) | ~ 3000 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$ |
| Photons flux density (30cm) | ~ 2500 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$ |
| Efficiency (Depending on switch step) | 2.4 – 2.8 $\mu\text{mol}/\text{J}$ |
| 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 | <ul style="list-style-type: none"> · Coated metal · Aluminium · Hard plastic |
| Built-in chips | <ul style="list-style-type: none"> · 660nm red: Osram Oslon SSL · 6400 K White: CREE XP-E · UV: Nichia NVSU |
| (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

