

## Plant lighting at the highest level.

Thanks to optimized planning by Etagrow and new Samsung and Osram LED technology, the unique, passively cooled LED was created. The LED is absolutely silent and produces the best lighting conditions with a plant spacing of 20 to 40 cm (1129 - 818  $\mu\text{mol}/\text{m}^2\text{s}$ ) and that with 80 watts.

For an optimal light spectrum, 174 very effective Samsung and Osram LED chips are installed. The LED has a special coating and can be wiped off with a damp cloth.

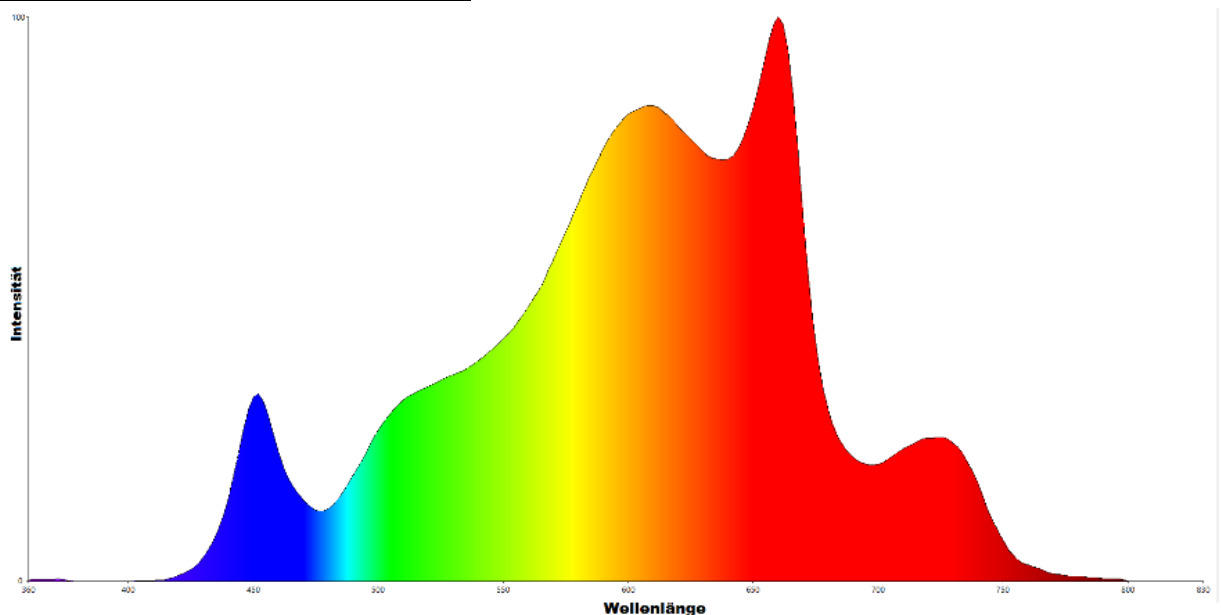
urban Chili LED BOARD pro 80 Watt	
Spezifikation	Value
Light output PPF [ $\mu\text{mol}/\text{s}$ ]	227
PPFD @20cm [ $\mu\text{mol}/\text{m}^2\text{s}$ ]	1129
PPFD @40cm [ $\mu\text{mol}/\text{m}^2\text{s}$ ]	818
PPFD @60cm [ $\mu\text{mol}/\text{m}^2\text{s}$ ]	610
Efficiency (ohne Driver) Par/Watt	2,84
Efficiency (incl. Driver) Par/Watt	2,61
Luminous flux Lumen	13294
Beam angle	120°
LED- Manufacturer	Osram, Samsung
Dimensions LED BOARD (LxBxH)	300 x 300 x 20mm
Light spectrum	Vollspektrum 380-780 nm
LED-Driver	Meanwell SLD-80
Lifespan	50.000h+
Color temperature	2700K
Dimension Driver (LxBxH)	320 x 30 x 17 mm
AC-Kabel	150 cm
DC Kabel	110 cm
Degree of protection	IP30
Perm. Ambient temperature	-5 - 40°C
Max. Humidity	90%RH

Spezifikation	Value
Power consumption	87 Watt
LED Volt	46 VDC
current output (LED Driver)	1800mA
Input voltage range	180~295VAC 254~417VDC
Current input (LED Driver)	450 mA @230VAC
Power factor (LED Driver)	0,95

The new LED BOARD fits in all urbanCchili versions and can be retrofitted.

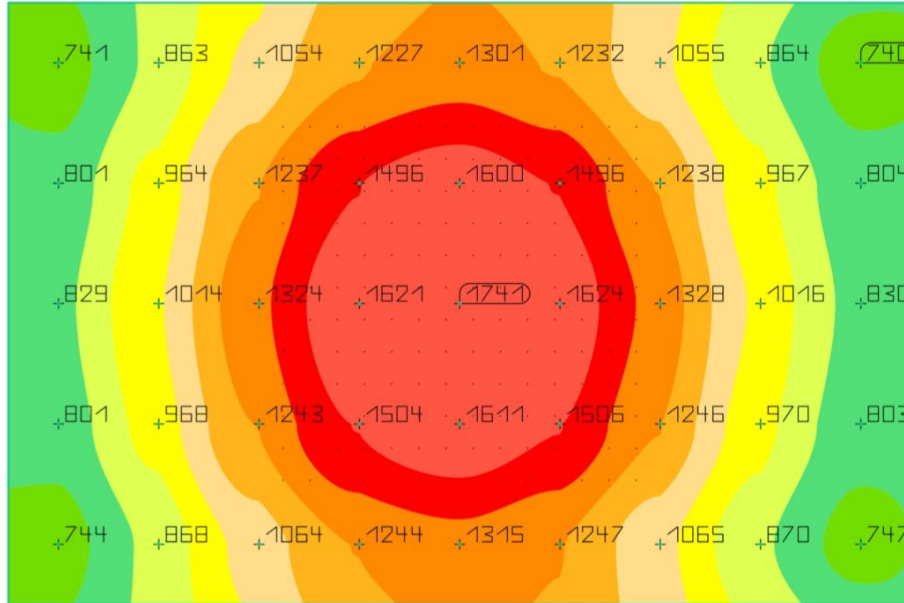


## Light spectrum:

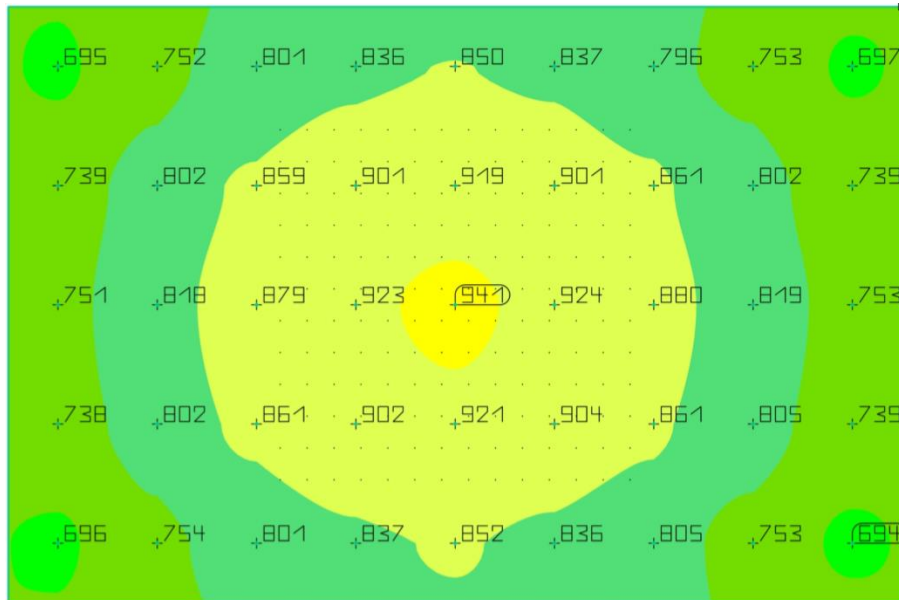


## Light output

PPFD @20cm  
[1129 $\mu$ mol/m<sup>2</sup>s]



PPFD @40cm  
[818 $\mu$ mol/m<sup>2</sup>s]



PPFD @60cm  
[610 $\mu$ mol/m<sup>2</sup>s]

