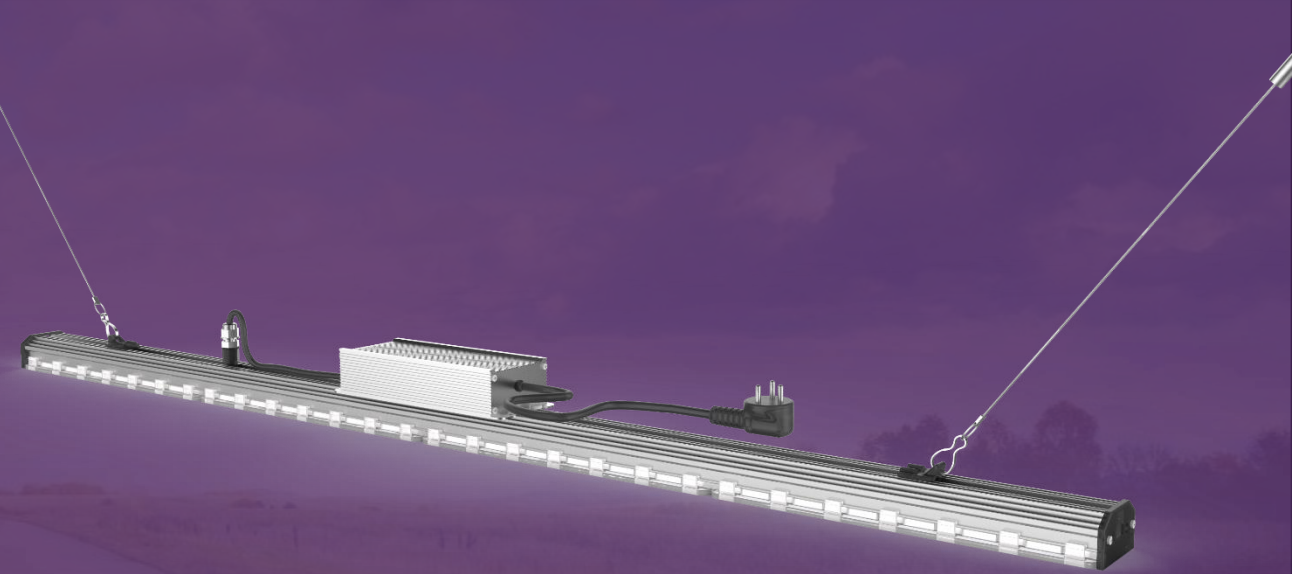


# FULL SPECTRUM Growlight: LED Growpower S

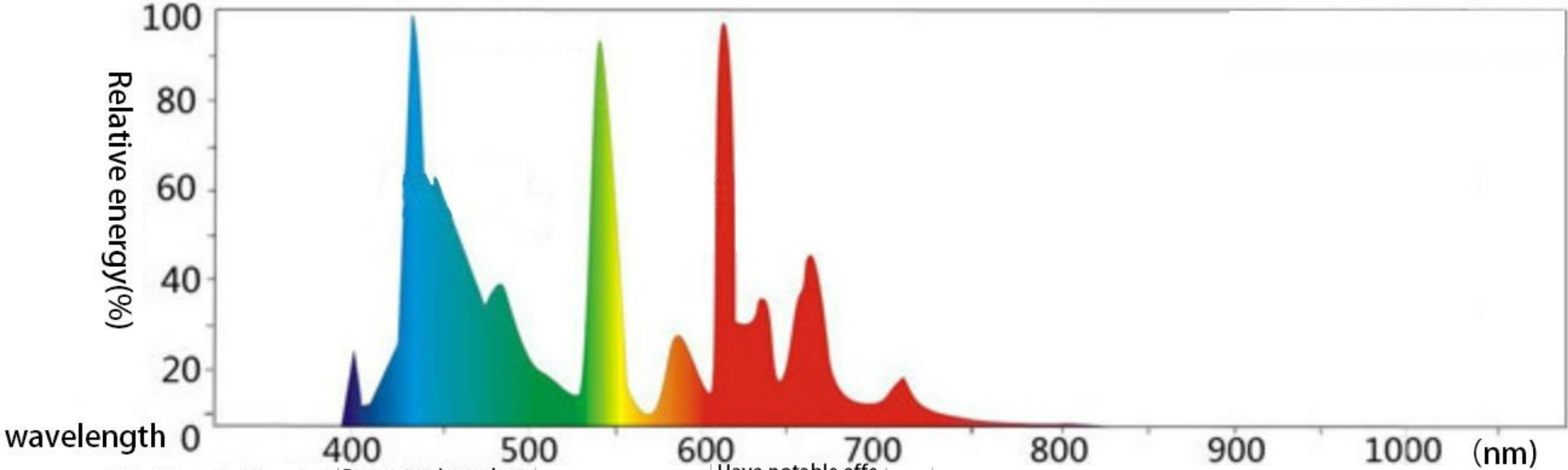


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# LED Growpower 480W



315-400nm Let the plant become shorter, leaves become fleshy, promote seedling. Below 280nm is harmful to plant growth, the plant will wither.

Promote plant photosynthesis. Chlorophyll and carotenoids absorb the largest percentage of blue light. If lack of blue light will make plant dwarf or yellow.

Less effect on photosynthesis, but provide nutrients for plants.

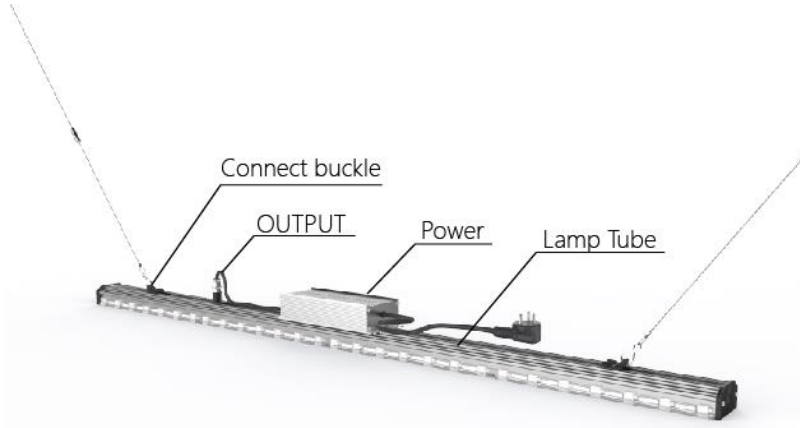
Have notable effect on photosynthesis and photoperiodic effects, can make plant grow fast, influencing seedling and flowering.

720 740

800nm less effect on photosynthesis, >1000nm convert into heat.

Influencing flowering and seedling, especially indoor or place without sunlight need this.

# LED Growpower S—Function



1. Full Spectrum High Power Grow Light
2. Power: 45-135W, Light intensity: 2.1-2.7 $\mu\text{mol}/\text{J}$
3. Adjust the light intensity and the time of lighting by the controller (optional).
4. Beam angle 90°, the light intensity is higher and the light loss is reduced.
5. PPFD $\geq 650\mu\text{mol}/\text{m}^2\text{s}@7.9''$
6. Full spectrum led, the main wavelength contains 390nm, 450nm, 630nm, 660nm and 730nm.
7. Sosen or meanwell driver, Samsung、SSC or Customer-designated LEDs
8. Provide light for herbs, fruits, vegetables, flowers and other heliophile to achieve normal photosynthesis of plants.
9. Provide light for Abel planting system and basement, plant tents, multi-layered plants for medicinal plants.
10. Easy to install, can be used in planting tents, basements, plant factories
11. It is suitable for filling light or adjusting the spectrum in places such as greenhouses or low-light planting sheds and basements.
12. Depending on the spectral needs of the plant, different spectrum curves can be customized for the customer.
13. Unique lens, directional illumination, energy saving 10-50%.

# LED Growpower S

Model	Input power (W)	PPF (μmol/s) max	PPE (μmol/J)	*Spectrum(Optional)	Fixture Dimensions
LED Growpower S22	45	122	2.1-2.7	Indoor/Greenhouse/UV395/R660/FR730/B450+R660/B450	23.6" L x 2.43" W x 3" H
LED Growpower S44	88	240	2.1-2.7	Indoor/Greenhouse/UV395/R660/FR730/B450+R660/B450	46.6" L x 2.43" W x 3" H
LED Growpower S66	132	360	2.1-2.7	Indoor/Greenhouse/UV395/R660/FR730/B450+R660/B450	59" L x 2.43" W x 3" H

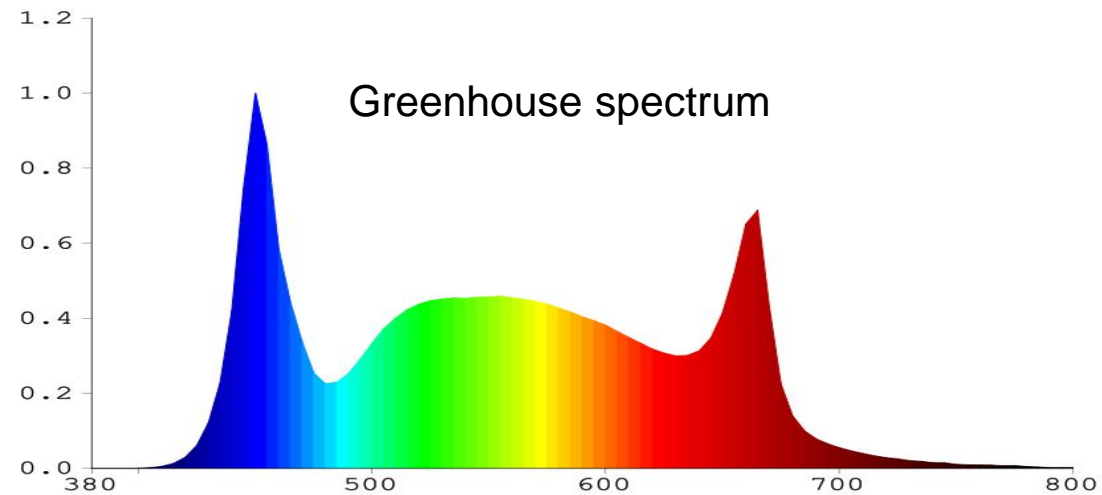
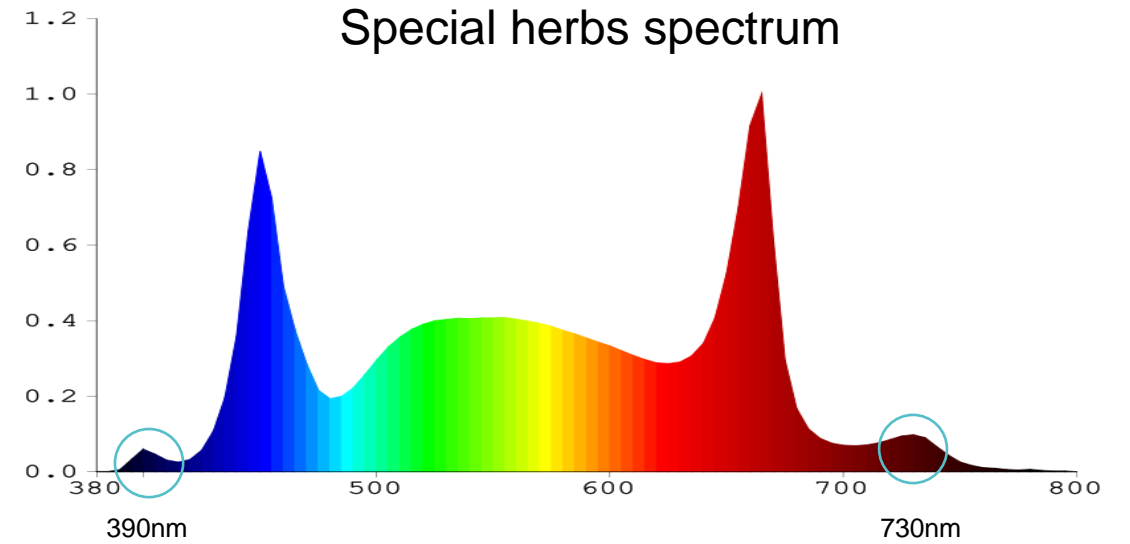
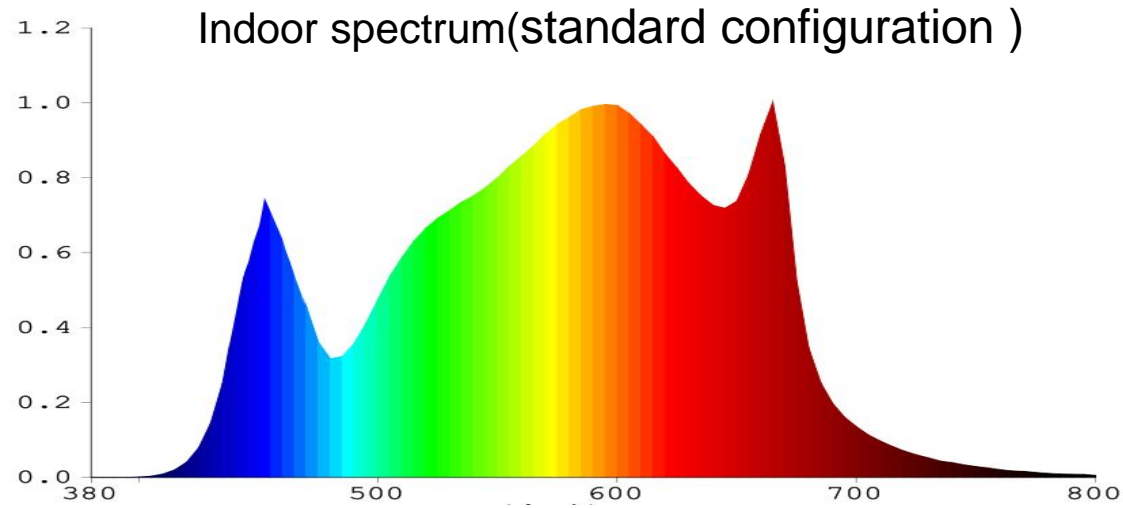
**PPFD@7.9" (μmol/m²s)**

210	365	413	472	472	413	365	210
310	420	606	680	680	606	420	310
210	365	413	472	472	413	365	210

**PPFD@19.7" (μmol/m²s)**

96	137	164	189	189	164	137	96
125	213	242	280	280	242	213	125
96	137	164	189	189	164	137	96

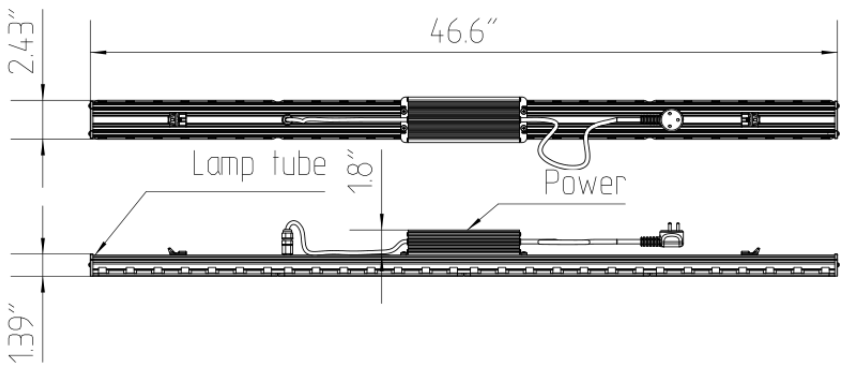
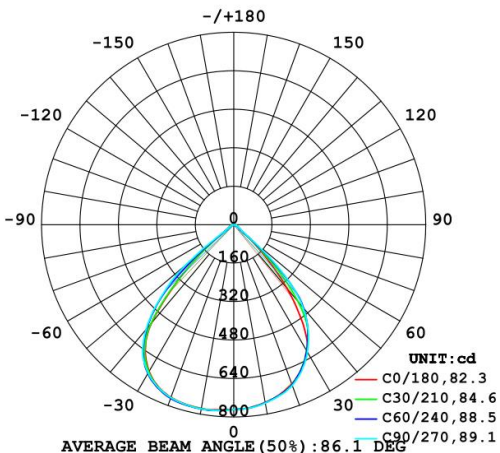
# LED Growpower 80W---Spectrum





# LED Growpower S—Specification

Beam angle



Fixture Dimensions

Product Name	LED Growpower S22/S44/66	Lifetime	L80: > 50,000hrs
PPFD@7.9" (max)	≥650μmol/m²s)	Power Factor	> 93%
Input voltage	100-277VAC	Working Temperature	-20°C—40°C
Mounting Height	≥6" (15.2cm)Above Canopy	Certification	CE/FCC/ETL
Thermal Management	Passive	Warranty	3yrs
Dimming (optional)	0-10V,PWM	IP level	IP65
Beam angle	90° or 120°	Tube QTY.	1
Main wavelength(optional)	390、450、470、630、660、730nm		