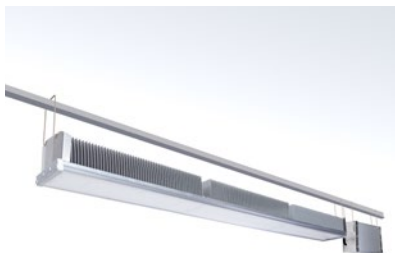
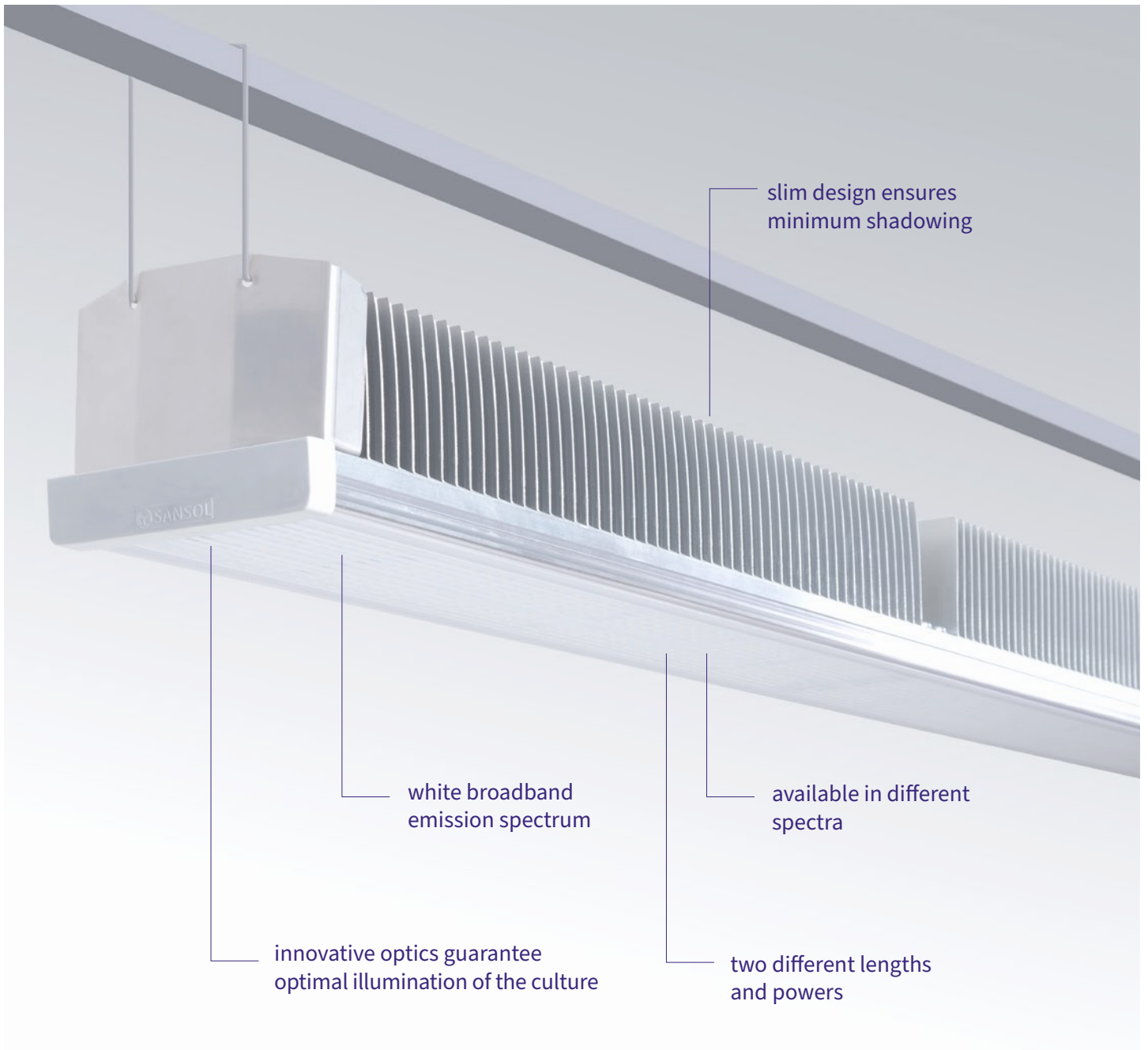


CUBRA SERIES



CUBRA series guarantees you:

- perfect adaptation of the size to the conditions of your greenhouse.
- maximum use of light directed to the plants.
- uniform growth even with a large area.
- full replacement of sodium vapor lamps with high energy saving.
- pleasant working light.

Ideal for both, refit projects and new installations.

CUBRA serie stands for modularity, efficiency and more yield.
As a new installation or as a refit solution.

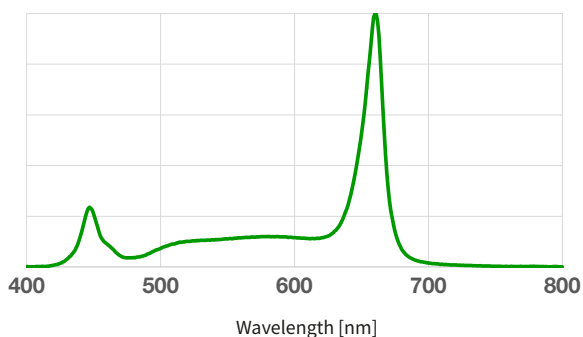


Whether two- or three-elements - the specially developed CUBRA sets new standards in many ways. It measurably increases the efficiency and yield in your greenhouse. But it is also perfect for modernizing your existing greenhouse lighting solution:

- Greenhouse optimized radiation
- 50% plus savings compared to sodium vapor lamps
- Individualized spectra

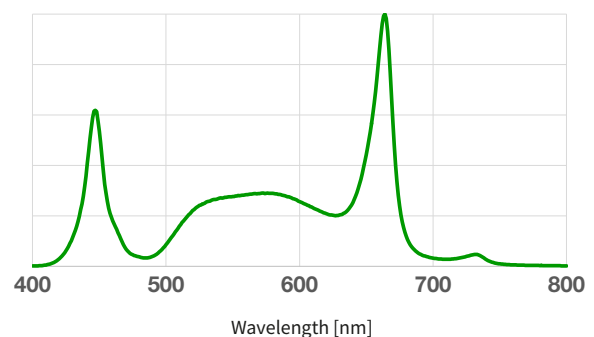
REQUIREMENT SPECIFIC EMISSION SPECTRA

SPEKTRUM S5



Greenhouse Emission

SPEKTRUM S6



Indoor Emission (also for flowering plants in the greenhouse)

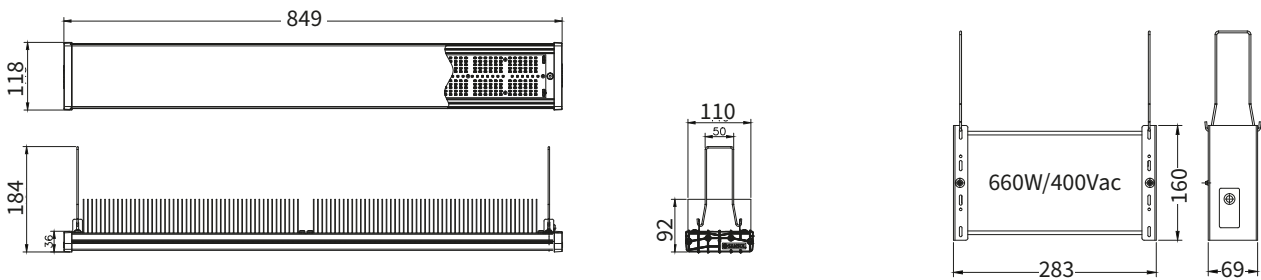
Additional spectra tailored to project-specific needs are available.

Change without notice

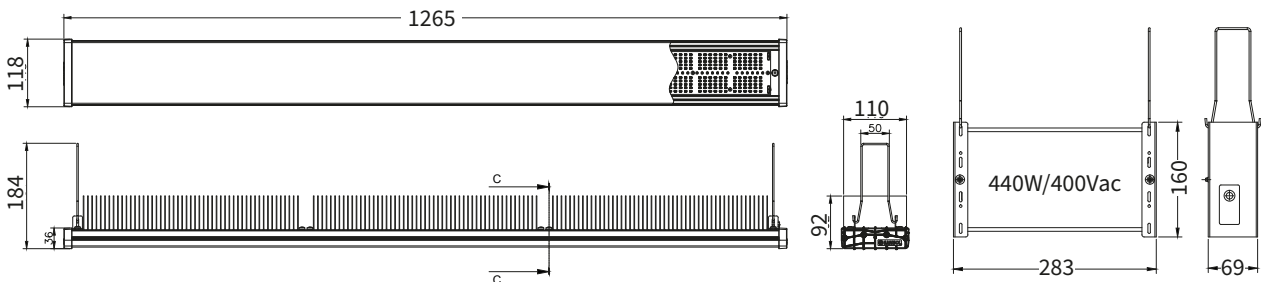
VERSIONS

Model	CUBRA 2 (with spectrum S5 or S6)	CUBRA 3 (with spectrum S5 or S6)
Length	849 mm	1265 mm
Weight	Lighting fixture 5.9 kg	Lighting fixture 8.6 kg
	Control gear 3.3 kg	Control gear 3.3 kg

CUBRA 2



CUBRA 3



PERFORMANCE DATA

	CUBRA 2	CUBRA 3
Spectrum	S5/S6	
Wall Plug Efficacy S5	2.9 $\mu\text{mol/J}$ (400–700 nm)	
Wall Plug Efficacy S6	2.7 $\mu\text{mol/J}$ (400–800 nm)	
Efficiency for other spectra	up to 3.7 $\mu\text{mol/J}$	
Power Consumption	440 W	660 W
PPF S5 (400–700 nm)	1.300 $\mu\text{mol/s}$	1.900 $\mu\text{mol/s}$
PPF S6 (400–800 nm)	1.200 $\mu\text{mol/s}$	1.800 $\mu\text{mol/s}$
Supply voltage	400 Vac	

	CUBRA 2	CUBRA 3
Lifetime @Ta = 25°C L90	50.000 h	
Power Factor	> 0.95	
typ. Inrush current	65A	
Dimming	1–10 V mit 0 V off	
Ambient temperature	+5 °C up to +35 °C	
Storage temperature	-5 °C up to +40 °C	
Protection class	IP 65	

ACCESSORIES

Connecting cables, Suspension systems

CUBRA SERIES AT A GLANCE

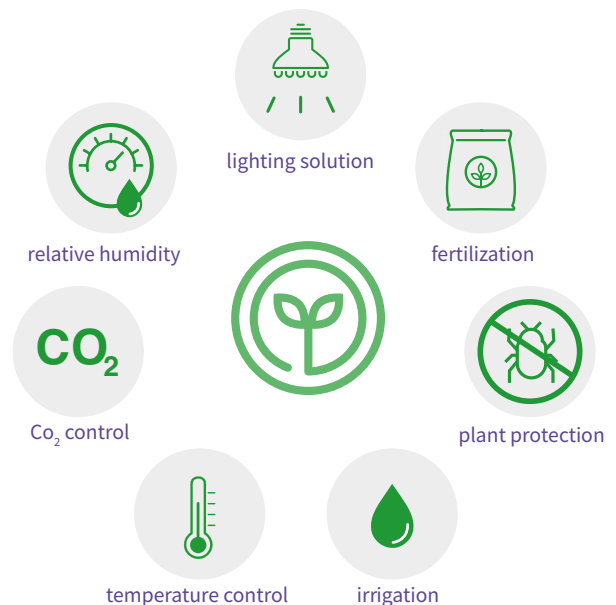
- Best system efficiency and lifetime for a sustainable assimilation exposure solution.
- Ideal solution for reducing energy costs in new and existing plants to a minimum.
- Reliable use in high greenhouses.
- Optimised light distribution on the crop.
- Easy installation/integration – also for retrofit or replacement.

HEALTHY GROWTH FOR YOUR PLANTS. AND YOUR COMPANY.

We realise lighting solutions that are based on the economic viability of your project.

SANSOL supports you

- from project planning to investment planning.
- during the construction and commissioning of the lighting system.
- during process optimisation and production ramp-up.
- to strengthen your brand effectively on the market.



COMPANIES THAT GROW. WITH INNOVATIVE ILLUMINATION FROM SANSOL.



SANSOL GmbH, Technologiepark 10, 8380 Jennersdorf, AUSTRIA, meet@sansol.eu
www.sansol.eu

