

SPECTRO 
LIGHT



AG20
500



spectrolight.pl



DeFirst true HPS light replacement.
The best light for your plants...

Why Spectro Light?

SPECTRO LIGHT company, which has its roots in the company Spectro Color is formed with technologically innovative mind of its creator and founder Thomas Braczkowski. Many years of experience and work in the field of lighting technology made it possible to combine breakthrough technology in the field of LED lighting with the biological needs of plants. With a positive test carried out from the Institute of Plant Breeding and Acclimatization and the Institute of Horticulture evidenced with the high quality advantages of our products.

The main purpose of what we were trying to achieve is a reflection spectrum of PAR based on Cree MC curve to efficiency declass traditional HPS luminaires. Biological Results confirmed the efficiency of our illuminators.

Key Benefits

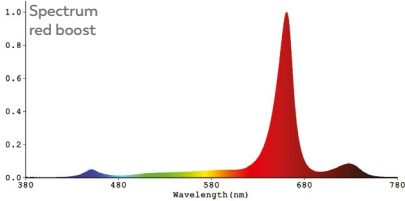
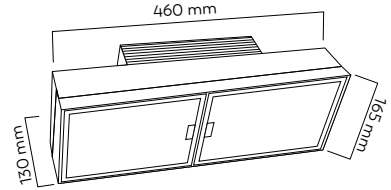
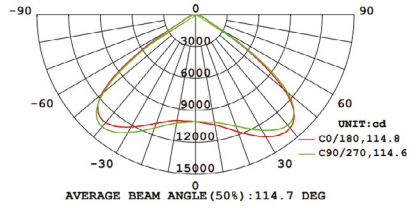
- First true HPS light replacement. The best light for your plants...
- Excellent light uniformity to ensure uniform growth
- Shorten growth cycles
- Improve color, shape and taste
- Better spectrum of light 15% blue 65% wide Red 10% far red
- 5 year warranty for all our products!
- Design and manufacture in EU
- Higher yield, less heat, dimmable

Development is our middle name. We keep a research to improve our products, using the latest technology. The full spectrum of PAR is a guarantee to cover all the needs of plants in all phases of its growth.

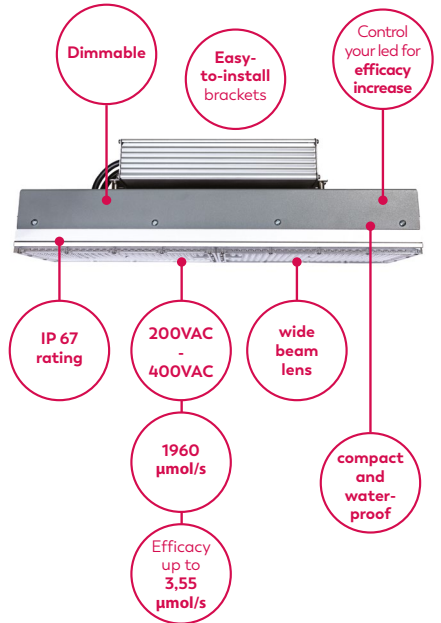
Products grown under our illuminators are much higher indices of quality of the final product. Lighting efficiency provides 40-55% of energy savings, without compromising quality. Our products have been tested by the largest Institutes of Plant Breeding in Poland and have passed tests in green houses.

If You are wondering why You should trust us? The answer is simple. We give 110% of what others only promise. Tomasz Braczkowski founder and CEO of Spectro Light – a specialist in lighting technology – frequent speaker at scientific conferences like: Lumen V4, KSK and Conferences Lighting. As the representative of Poland TechnoTeam Bildverarbeitung GmbH works also as a trainer in the field of photometric measurements and measurement solutions create light technology.

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



Product code	Agro 600
Light distribution	Wide Beam: beam angle 150°
Dimmable ²	10% - 100%
Input voltage (50-60 Hz)	200-400VAC
Dimensions	460 x 165 x 130 mm
Weight	6.5 kg (incl. module brackets)
Power factor	0.98
Total Harmonic Distortion	<15%
Rated Average Lifetime ³	50 000 hrs - L95
Ingress protection rating	IP67
Cooling	active cooled
Approval marks	CE, ENEC, RoHS, UL/CSA, EAC
Connector	Wieland RST20i3 Green



SpectroLight Agro 600LED toplighting compact system

		Spectral version	efficien	ballance	red boost ¹
Beam	Spectral code		60% Red 40% Blue	65% Red 45% White	60% Red 30% White 10% Far Red
	Typical photon flux	μmol/s	1960	1955	1966
Wide beam	Power consumption (max)	W	603	601	605
	Efficacy	μmol/s	3,25	3,25	3,25
	Efficacy at 50% (dimmed)	μmol/s	3,55	3,55	3,55

¹ The published value represents the total photon flux from 400-800nm
² All products are dimmable to 10% of the photon flux/power consumption when combined with a light control system.
³ Lifetime and maintenance values are given at ambient temperature of 25°C / 77°F.