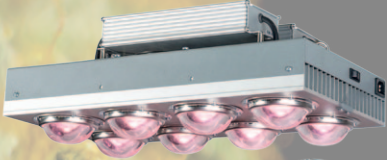




SPECTRO LIGHT

XPLOSION 800



spectro-light.com



# First 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 Brackowski. 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

- Reduced operational cost 40% energy reduction compared to HPS
- 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
- Minimal shading effect (very compact fixtures)
- Design and manufacture in EU

# XPLOSION 800

Series is the most powerful luminaire in our offer, which was created without compromise.

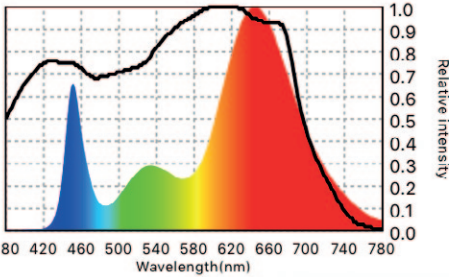
Spectrum has been refined and precisely selected to give the maximum yield and quality of the harvest, that the competition can only dream about.

The new optical system guarantees maximum uniformity of light distribution.

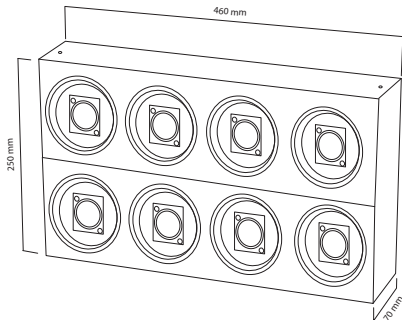
Its advantages will also be appreciated by growers of large surface crops. It is designed to illuminate the area of 3m<sup>2</sup>, the recommended area is 1.5x1.5m (5x5ft)

Maximum par radiation gives the best result for Highest concentration oil CBD and others. that's why we recommend explosion 800 for oil extraction producers.

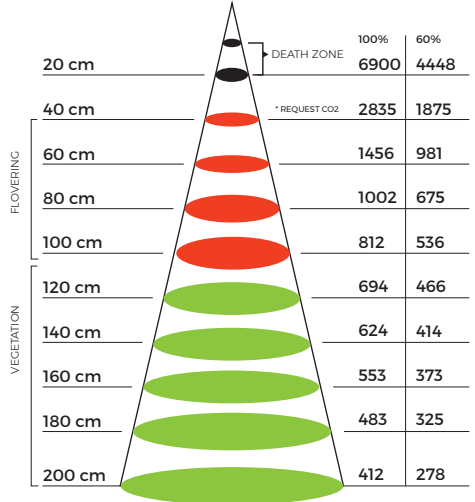
**Check us out and you will never use HPS lamps again...**



LED's	spectro light COB full spectrum 420-780nm
PPF (total)	1608 $\mu\text{mol/s}$
Efficiency	1.95 $\mu\text{mol/J}$ at 100% / 2.09 $\mu\text{mol/J}$ at 60%
Energy used	799W at 100% / 501W at 60%
Dimensions	460x250x170mm
Target area	150x150x200cm
Lens	glass optic 120°
Replaces	replaces 1000W
Driver	spectro light desing driver 96% efficacy
Lifetime	100 000 h
Weight	11 kg



## PPFD $\mu\text{mol m}^{-2} \text{s}^{-1}$



Measure take in growbox 1.2x1.2m (4x4ft)

