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604-945-4117

Horticulture / Greenhouse Lighting Products

Professional Grade Full Spectrum Lighting System

Double D-Papillon

Ceramic Metal Halide Lamp

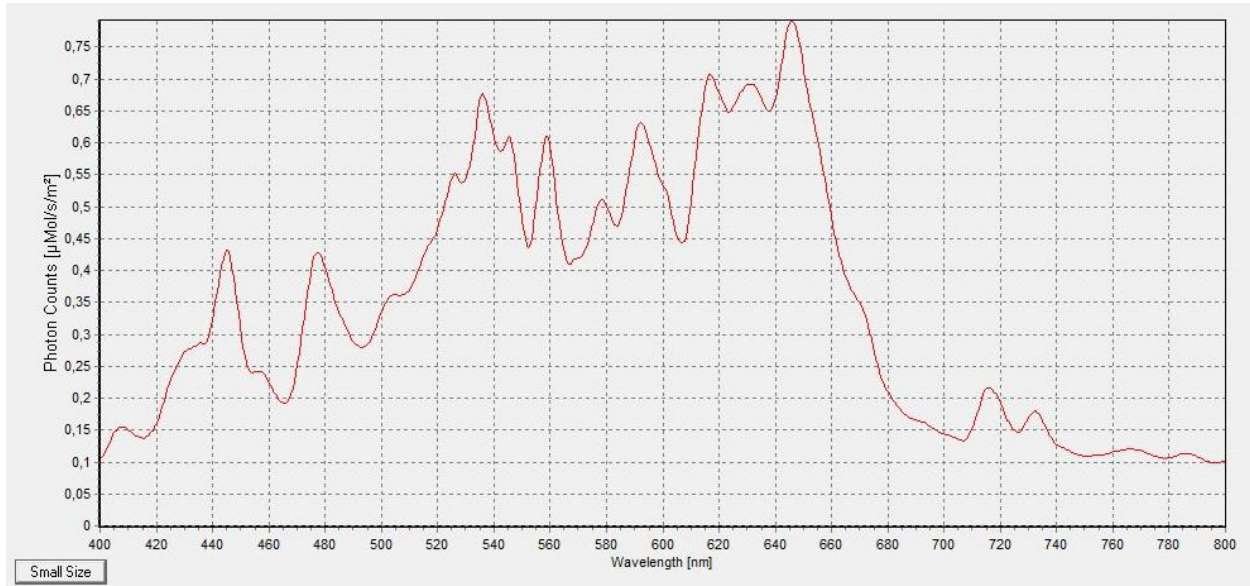
The Future For Indoor Hydroponics



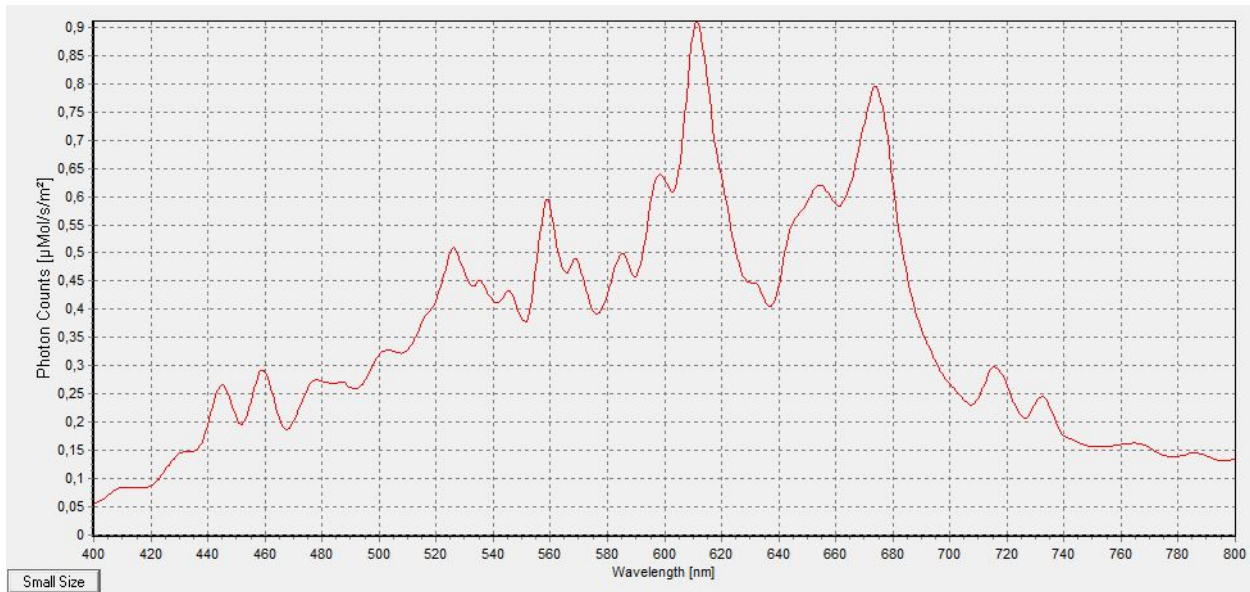
The perfect light for both Vegetation and Flowering!

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Spectrum daylight 942 at 120% boost:



Spectrum greenpower at 120% boost:

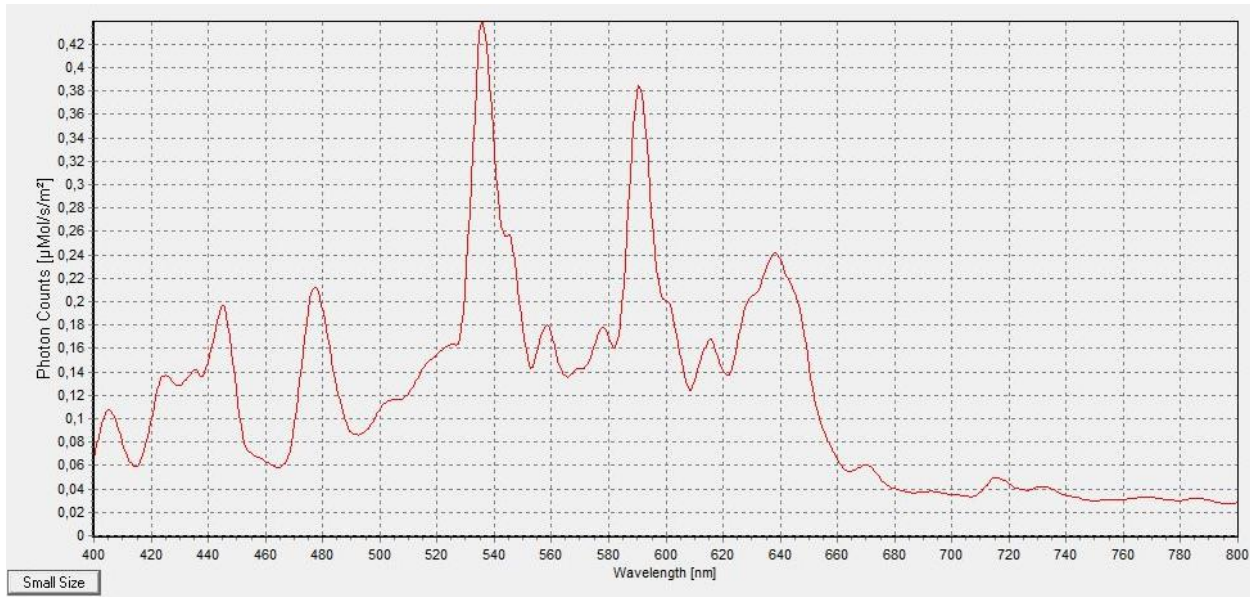


An optimized bulb operating at 120% results in a boost in the 720 and 730 nm range and improves flowering.

Both greenpower and daylight have nice blue peaks at 440 and 460nm.

When both bulbs are dimmed the blue ratio increases a lot!

Below the daylight at 50% dim, blue percentage in spectrum = 25-30%



Technical Specifications dPapillon 630W

- Professional grade full spectrum lighting system.
- Available with GreenPower and Daylight lamp.
- 800W ultra-high frequency ballast.
- Very high lamp efficiency up to 1.90 µmol/W.
- Very high par rating GreenPower lamp 1200 µmol/s, Rated 16.000 hours > 90%
- Very high par rating Daylight lamp 1100 µmol/s, Rated 16.000 hours > 90%
- High density Vega aluminum reflector with only 1% annual depreciation.
- Patented open reflector design increases efficiency to 95%, promoting longer bulb life due to reduced heat buildup.
- Driver efficiency > 95%.
- IP23 aluminum housing.
- Lamp & reflector easily replaceable.
- 3 Year warranty on fixture, 1 year on bulb.



Rated Mains voltage	220V-240V
Voltage range (+/- 10%)	202V-264V
Frequency	50Hz – 60Hz
Current	2.8 Amps @ 240V
Max Current (120% dim)	3.3 Amps @ 240V
Bulb Operation frequency	100 - 200 kHz
Nominal Rated Power	670W
Max Rated Power (120% dim)	800W
Inrush current	< 35A
Power factor	>0.95
Philips CDM Elite MW 315W Bulbs	Rated 16.000 hours > 90%

Dim Button Control

1 = 50%	315W	-	550 $\mu\text{mol/s}$ with Daylight 942 bulb
		-	600 $\mu\text{mol/s}$ with GreenPower bulb
2 = 70%	460W	-	770 $\mu\text{mol/s}$ with Daylight 942 bulb
		-	840 $\mu\text{mol/s}$ with GreenPower bulb
3 = 85%	560W	-	935 $\mu\text{mol/s}$ with Daylight 942 bulb
		-	1020 $\mu\text{mol/s}$ with GreenPower bulb
4 = 100%	660W	-	1100 $\mu\text{mol/s}$ with Daylight 942 bulb
		-	1200 $\mu\text{mol/s}$ with GreenPower bulb
5 = 110%	720W	-	1210 $\mu\text{mol/s}$ with Daylight 942 bulb
		-	1320 $\mu\text{mol/s}$ with GreenPower bulb
6 = 120 %	760W	-	1350 $\mu\text{mol/s}$ with Daylight 942 bulb
		-	1450 $\mu\text{mol/s}$ with GreenPower bulb

Weight	6.5 kg (14.3 lbs.)
Dimensions (lxwxh)	38.0 x 23.0 x 33.0 cm (18.5 x 9.1 x 13.0 inch)

Compatible with a Dali dim 0-10v converter. Each converter can control multiple drivers.

< 0V = off	3V = 50%
4V = 60%	5V = 70%
6V = 80%	7V = 90%
8V = 100%	9V = 110%
10V = 120 %	