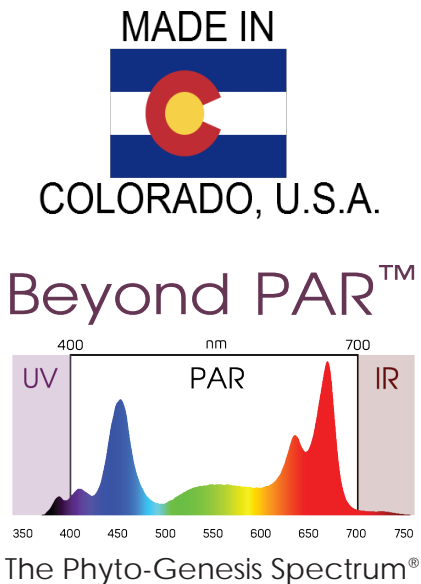
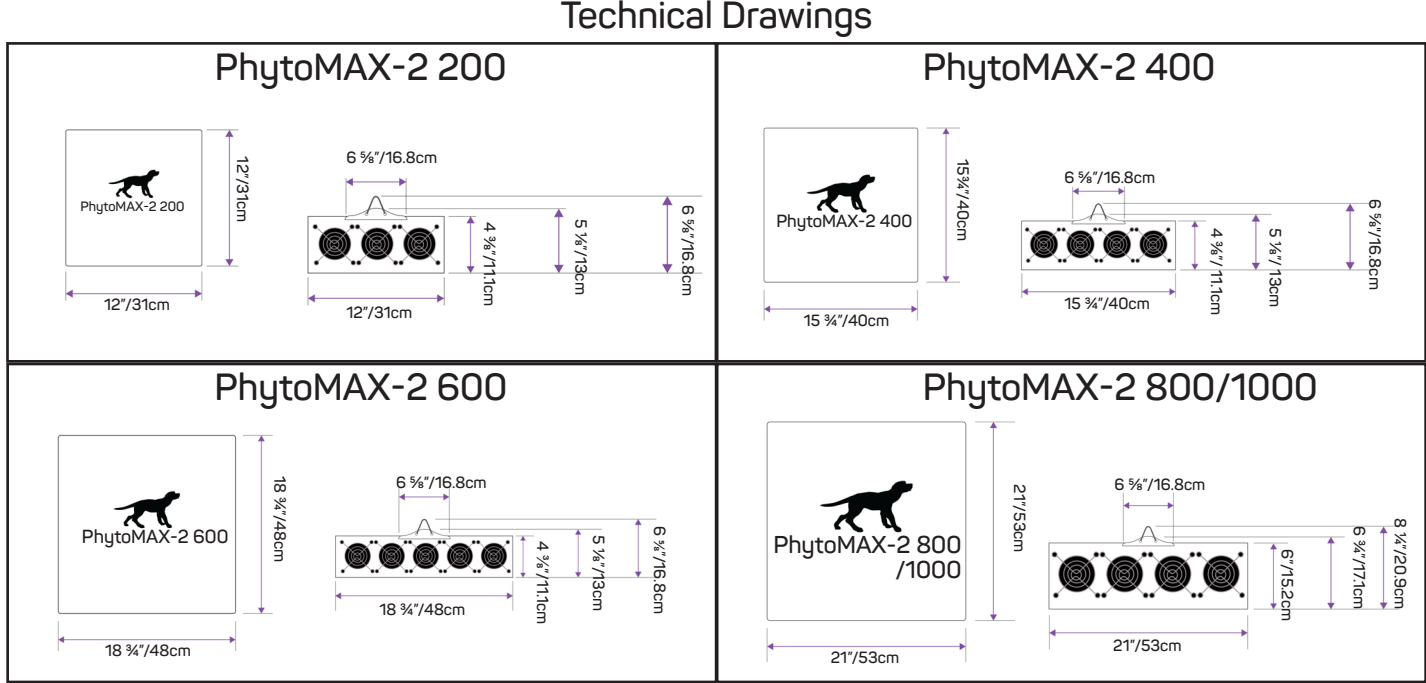


PhytoMAX-2 General Specifications	
-Applies to all PhytoMAX-2 models-	
Acceptable Voltage Range	100V - 250V
AC Frequency Range	50 - 60 Hz
Operational Temperature Range	-4 - 104 °F (-20 - 40 °C)
Spectrum	Proprietary Phyto-Genesis Spectrum® covering 365 - 750nm, including UV and NIR
Warranty	5 years
Certifications	
M.T.B.F.	> 50,000 Hours
Power Factor	> 0.98
Fans	70,000 Hour Expected Life



Model	Wattage (average)	Total Photon Flux (µMol/s)				# LEDs	BTUs	Size (L x W x H)	Weight	Amps (average)	
		300-800nm	UV (<400nm)	PAR (400-700nm)	IR (>700nm)					120V	240V
PhytoMAX-2 1000	1025	1602	73	1485	47	420	3581	21 x 21 x 7 in 53 x 53 x 17 cm	53 lbs 24 kg	8.8	4.4
PhytoMAX-2 800	820	1282	58	1188	38	336	2864	21 x 21 x 7 in 53 x 53 x 17 cm	50 lbs 22.7 kg	7	3.5
PhytoMAX-2 600	615	961	44	891	28	252	2148	18.75 x 18.75 x 5 in 48 x 48 x 13 cm	34 lbs 15.4 kg	5.3	2.6
PhytoMAX-2 400	410	641	29	594	19	168	1432	15.75 x 15.75 x 5 in 40 x 40 x 13 cm	24 lbs 10.9 kg	3.5	1.8
PhytoMAX-2 200	205	320	15	297	9	84	716	12 x 12 x 5 in 31 x 31 x 13 cm	14 lbs 6.4 kg	1.8	0.9



Welcome to Your New  

# PhytoMAX-2

  
LED Grow Light!

Please read and save this quick guide to your light; more detailed information and updates can be found on our website at this URL: [www.blackdogled.eu/PhytoMAX2](http://www.blackdogled.eu/PhytoMAX2)



- In the Box You will Find:
- 1 new PhytoMAX-2 Grow Light!
  - 1 Kettle Plugwith Outlet CEE 7, Type F (Schuko) 2,5m Power Cord
  - 1 pair Commercial LED Hanger Clips
  - 1 pair Heavy Duty Ratcheting Light Hangers

! Please save the protective foam and box your light came in !

- Safety:
- Be careful while hanging our lights; they're heavy, do not attempt to hang the lights alone!
  - NEVER** look directly at the LEDs while they are on; eye damage may result.
  - Don't over-load your electrical circuits!
  - We recommend wearing any UV-blocking eye wear such as sunglasses when viewing or working with plants under our lights. PhytoMAX-2 contains UV LEDs, which just like natural sunlight can irritate and damage your eyes. We offer Black Dog LED grow glasses from Method Seven which not only protect from UV but also color-correct to more easily view your plants under our lights.

www.blackdogled.eu/PhytoMAX2

www.blackdogled.eu/PhytoMAX2

Hanging Your Light:

- We recommend tying a stopper knot at the loose end of the rope to prevent over-extension of each of the ratcheting rope hangers. See figure A
- DO NOT attempt to hang a PhytoMAX-2 light alone! At least 2 people are recommended. See this URL for more information: [www.blackdogled.eu/PhytoMAX2](#)
- Ensure that the structure you'll be hanging the light from can support its weight plus some extra for cords, etc. - The PhytoMAX-2 800 and 1000 hanging points need to support over 25 kilograms (50 pounds)!
- 1. Insert a metal hanger clip into the hanging bracket on either side of the back of the light. Ensure that both ends of the clip are secure.
- 2. Clip one end of each of the ratcheting rope hangers to the ceiling, and the other end to the metal hanger clips attached to the light. The ropes should be hanging straight, not pulling the hanging brackets toward or away from the center of the light. See figures B & C
- 3. Adjust the ratchet to hang the light at the recommended height as outlined in the table on the next page.
- 4. Ensure there is always a minimum 6"/15cm of clearance on both sides of the light that have vents. Failure to provide adequate clearance can cause the light to overheat. The sides without vents and the top of the light do not require any clearance. See Figure D



CORRECT!



INCORRECT!

Disclaimer: It is your responsibility to know and understand all federal, state and local laws and regulations regarding the cultivation of any plant in your jurisdiction. Plant Light Science GmbH & Co. KG does not intend or recommend that its product be used to assist in any way with violation of any applicable laws!

Recommendations for Proper Use

Imperial												
Light Model	Largest Recommended Vegetative Footprint			Largest Recommended Flower Footprint			Medium Recommended Flower Footprint**			Smallest Recommended Flower Footprint**		
	Area (feet)	Average PPFD* (µMol/m²/s)	H.H. (in)	Area (feet)	Average PPFD* (µMol/m²/s)	H.H. (in)	Area (feet)	Average PPFD* (µMol/m²/s)	H.H. (in)	Area (feet)	Average PPFD* (µMol/m²/s)	H.H. (in)
PhytoMAX-2 200	3.75 x 3.75	211	27	3 x 3	330	21	2.25 x 2.25	587	16	1.75 x 1.75	971	13
PhytoMAX-2 400	5.25 x 5.25	215	38	4.25 x 4.25	329	30	3 x 3	660	21	2.5 x 2.5	951	18
PhytoMAX-2 600	6.5 x 6.5	211	47	5 x 5	356	36	3.75 x 3.75	634	27	3 x 3	990	21
PhytoMAX-2 800	7.5 x 7.5	211	54	6 x 6	330	43	4.5 x 4.5	588	32	3.5 x 3.5	971	25
PhytoMAX-2 1000	8 x 8	232	57	6.5 x 6.5	352	47	5 x 5	596	36	4 x 4	930	29

Metric												
Light Model	Largest Recommended Vegetative Footprint			Largest Recommended Flower Footprint			Medium Recommended Flower Footprint**			Smallest Recommended Flower Footprint**		
	Area (cm)	Average PPFD* (µMol/m²/s)	H.H. (cm)	Area (cm)	Average PPFD* (µMol/m²/s)	H.H. (cm)	Area (cm)	Average PPFD* (µMol/m²/s)	H.H. (cm)	Area (cm)	Average PPFD* (µMol/m²/s)	H.H. (cm)
PhytoMAX-2 200	115 x 115	209	68	90 x 90	341	53	65 x 65	653	41	55 x 55	913	34
PhytoMAX-2 400	160 x 160	216	97	130 x 130	327	77	95 x 95	612	54	75 x 75	982	46
PhytoMAX-2 600	200 x 200	207	119	155 x 155	345	93	115 x 115	627	69	95 x 95	918	56
PhytoMAX-2 800	230 x 230	209	137	185 x 185	323	110	135 x 135	606	82	110 x 110	913	63
PhytoMAX-2 1000	250 x 250	221	150	200 x 200	345	121	150 x 150	614	92	120 x 120	959	76

The above footprint calculations were created for photoperiod-sensitive plants in a square area

\* Average PPFD measurements are over the entire footprint, edge-to-edge and corner-to-corner, based on reflective surroundings or adjacent lights.

\*\* When growing in an area smaller than the medium recommended flower footprint, CO<sub>2</sub> supplementation is generally required to make full use of the additional light.

PhytoMAX-2 Growing Tips:

- We recommend keeping your growing area 9-10 °F / 5 °C (85 °F / 29 °C) warmer than you would with other lights to maximize yield.
- If not growing hydroponically, we recommend using fabric pots with our lights; they allow soil to dry out more quickly since our lights aren't heating it as much. This allows faster nutrient cycling and encourages a better root system.

Cleaning and Maintenance:

- If your light requires cleaning:
- Spray water or a mild glass cleaner onto a soft lint-free towel!
  - Gently blot the LEDs with the moist towel until clean. DO NOT RUB THE LEDs!
  - Allow to air-dry, then plug your light back in and turn it on!
  - NEVER** spray any liquids directly on or around the LEDs!

Issues And Questions:

- BLACK DOG LED wants you to be satisfied with your PhytoMAX-2 light!
- Please note that our lights contain infrared and ultraviolet diodes that are outside of humans' visual range, so it is normal for some of the LEDs to appear dim or unlit.
- If you have any issues with your light's function, please contact BLACK DOG LED, not the store it was purchased from. Contact us at: [info@blackdogled.eu](mailto:info@blackdogled.eu)

Attention: If you want to dispose of this equipment, please do not use the ordinary household waste disposal! WEEE-Reg.-Nr. DE29366297

