

PARMAX Pro 4™

LED Horticultural Lighting

Better Spectrum
Better Quality
Built to Last

- ✓ Save Time
- ✓ Save Money
- ✓ Grow with Ease



Optimal LED Longevity – Driven by Science

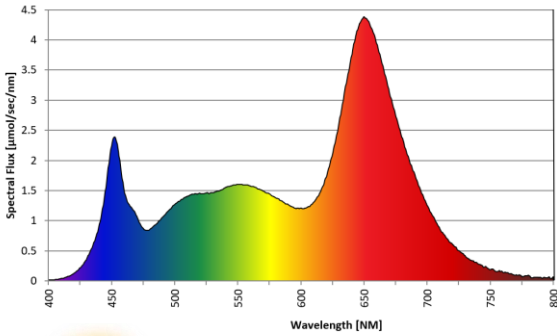
Philips Lumileds LED technology designed specifically for horticultural applications

PAR spectrum wavelengths tuned to maximize plant growth and yield



2360 Chaffee Drive | Saint Louis, MO 63146 USA | www.dazorgrowlights.com | 800.345.9103

PARMAX Pro 4 Tuned PAR Spectrum LEDs



Grow Shop



Instagram



YouTube



PARMAX 4



PARMAX 8



Tuned PAR Spectrum LEDs vs. Full Spectrum White LEDs

"Full Spectrum White" LEDs are general purpose visible spectrum LEDs commonly used in light fixtures to illuminate a room. PAR Spectrum LEDs are specifically designed to increased plant health, growth, and yield.

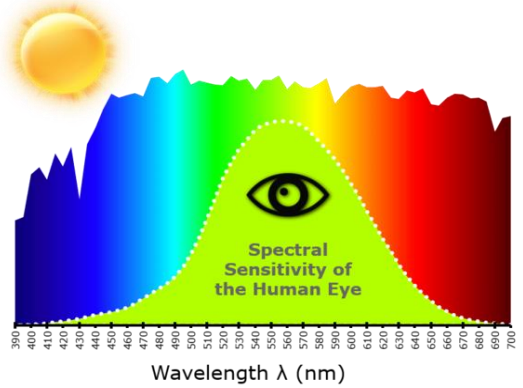
"Full Spectrum White" LEDs are overly proportioned in green wavelengths which "have been shown to induce shade avoidance symptoms, including stem and leaf elongation and premature flowering." ¹

"A low percentage of green light enhanced plant growth, whereas plant growth was inhibited under a higher percentage of green light..." ²

PAR Spectrum LEDs emit the ideal range for blue, red, and green for maximum plant grown and yield.

¹ *The Effect of Light Spectrum on the Morphology and Cannabinoid Content of Cannabis sativa L. (2018)*

² *An Update on Plant Photobiology and Implications for Cannabis Production (2019)*



Waveband (nm)	µmol m ⁻² s ⁻¹	% Tot
350-399 (UV)	1.1	0.1%
400-499 (Blue)	175.0	16.48%
500-599 (Green)	288.7	27.19%
600-699 (Red)	526.0	49.54%
700-799 (Far Red)	67.1	6.32%
800-850 (IR)	3.8	0.36%
400-700 (PAR)	989.8	93.22%
380-760 (ePAR)	1050.9	98.98%
350-850 (Total)	1061.8	100.0%

PPFD @ 12" Above Canopy

173.75	248.75	372.75	489	552.25	571.5	552.25	489	372.75	248.75	173.75	20"
189.75	286.5	432	577.75	650	680	650	577.75	432	286.5	189.75	16"
206.5	311.25	470.25	640.25	716.75	746	716.75	640.25	470.25	311.25	206.5	12"
221	329	492.5	670.75	751	780	751	670.75	492.5	329	221	8"
212.25	332.75	513.75	678.75	766	797	766	678.75	513.75	332.75	212.25	4"
212	332.5	526	679.5	769	800	769	679.5	526	332.5	212	0
212.25	332.75	513.75	678.75	766	797	766	678.75	513.75	332.75	212.25	4"
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Mounting Height	12"	Maximum PPFD	800 µmol/sec/m2
Test Temperature	79.4°F	Minimum PPFD	150 µmol/sec/m2
Voltage	120V	Average PPFD	480.4 µmol/sec/m2
Current	2.7A		
Power	320W		

Tested inside 4' x 4' grow tent with Apogee Instruments MQ-610 Extended PAR Meter for 380-760nm ePPFD



Product Name	PARMAX Pro 4 LED Grow Light
Manufacturer	Dazor Lighting Technology
LED Emitter	Philips Lumileds Horticultural
Wattage	320W
PPF (µmol/s)	858.24
PPFD @ 12" (µmol/s/m ²)	800
Efficiency (µmol/j)	2.5
Dimension (L x W x H)	45.3" x 18.3" x 2.5"
Input voltage	Autosensing 90-277 VAC
Input current @277V	1.3 Amps
Input current @240V	1.7 Amps
Input current @120V	2.7 Amps
Frequency	50/60Hz
Power factor	>.9
Operating temperature	-20°C – 60°C
Finish	Anodized
Dimming control (0-10V)	Standard Dimmable or Bluetooth Option
Power Cord (Premium)	10ft Wet-Location Rated
Mounting	(2) AC Infinity 150lb-Rated Ratchet Rope Hangers
Product weight	29 lbs
Country of Origin	Made in USA
Warranty	5 Year Limited
Certification standards	UL1598, CSA C22.2, UL8750, UL8800, Wet Location