



OPTIMUM
DIODES

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PRO GROW UFO LED

PRO GROW UFO LEDs full spectrum LED array is coupled with ultra-reliable Optimum drivers. The die-cast aluminium housings offer cool, fan-less & totally silent operation. Extended reliability is assured with IP-55 water resistance, cleanable lenses making them completely safe to run the diodes 'facing up' for under lighting.

Diode counts are the highest in the industry, so we don't need to over-drive our equipment to achieve maximum PPF. Using more diodes also makes for cooler, more reliable LED fixtures with perfect colour rendition.



SMART CONTROLLER COMPATIBLE



*Not compatible with 100 W Model

100 W UFO

Total Diodes: 304
PPF: 250 $\mu\text{mol/s}$
Efficacy: 2.5 $\mu\text{mol/J}$

200 W UFO

Total Diodes: 608
PPF: 500 $\mu\text{mol/s}$
Efficacy: 2.5 $\mu\text{mol/J}$
Dimmable: 0-10 V

300 W UFO

Total Diodes: 912
PPF: 750 $\mu\text{mol/s}$
Efficacy: 2.5 $\mu\text{mol/J}$
Dimmable: 0-10 V

500 W UFO

Total Diodes: 1520
PPF: 1250 $\mu\text{mol/s}$
Efficacy: 2.5 $\mu\text{mol/J}$
Dimmable: 0-10 V

OPTIMUM
DIODES



4K
BALANCED
CRI:90



OUTPUT AND EFFICACY

PRO GROW UFO LEDs blend top bin Optimum 4K diodes with both Optimum Red and Far-red diodes (660 nm & 730 nm). Adding 730 nm far-red diodes complete the Emerson Effect, in turn offering up to 10% more Quantum Yield than just red diodes alone. PRO GROW UFO LEDs emit 4,000 Kelvin full spectrum light with an industry leading CRI of 90.

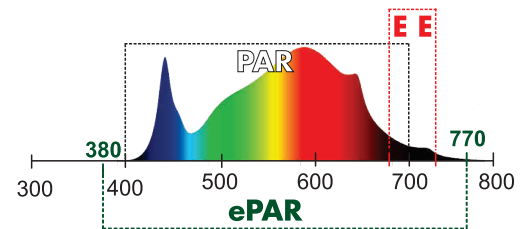
+730 nm
Far-red DIODES



ePAR - PUSH PAST PAR

ePAR redefines the PAR spectrum to recognise the benefits of light waves outside of the 400 to 700 nm range. PRO GROW UFO LEDs include a 3% blend of far-red 730 nm diodes. The addition of far-red diodes extends the spectral gap previously provided by HPS lights but until now was missing from LEDs.

EXTENDED PAR SPECTRUM GRAPH (ePAR)



AMP USAGE

100 W	200 W	300 W	500 W
0.42 A	0.83 A	1.25 A	2.08 A

DIMMED AMPS 300 W		DIMMED AMPS 500 W	
1.0 A @ 240 W	0.75 A @ 180 W	1.67 A @ 400 W	1.25 A @ 300 W
0.5 A @ 120 W		0.83 A @ 200 W	



Dimmable 300 W & 500 W Fixtures.

Manual dimming switch. Switch to EXT when using the Smart Controller.

SMART CONTROLLER (sold separately)

The PRO GROW UFO LED 300W & 500 W are compatible with the PRO GROW Smart Controller. Equipped with a RJ14 Cable, up to 200 fixtures can be daisy chained from the one controller (100 fixtures per channel). Grow and Bloom channels can be operated simultaneously for both long and short day offset. Simply switch all fixtures to EXT mode to begin controlled operation.

SMART CONTROLLER COMPATIBLE (sold separately)



CHANNEL 1:
GROW or BLOOM
UP TO 100 FIXTURES



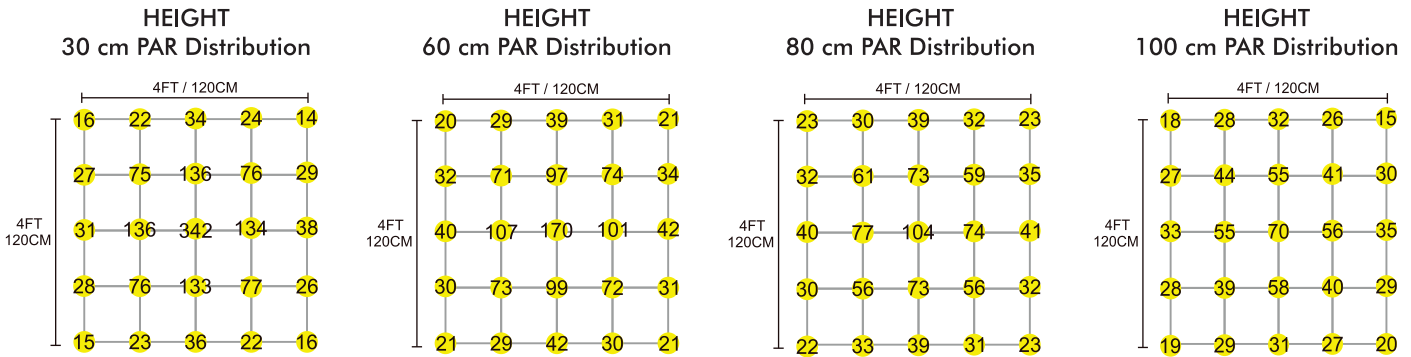
CHANNEL 2:
GROW or BLOOM
UP TO 100 FIXTURES

MODEL SPECIFICATIONS

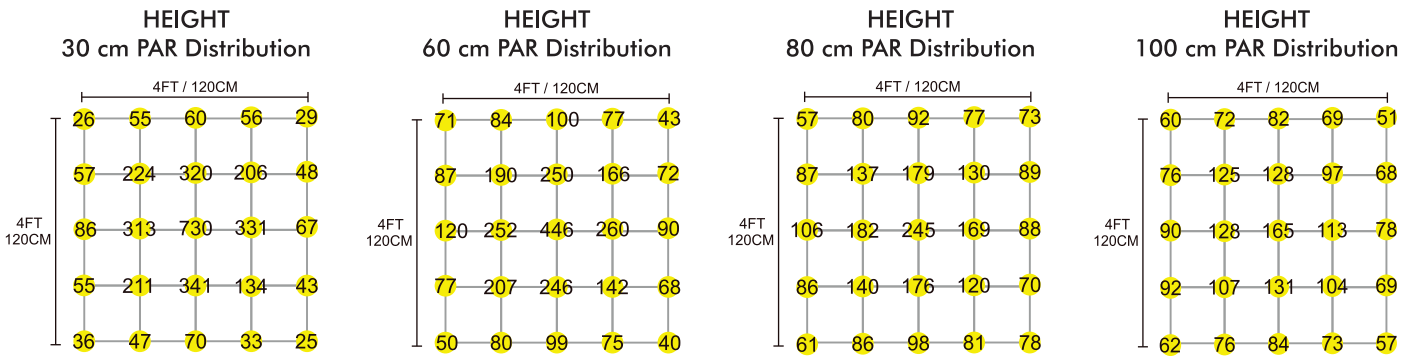
INPUT POWER	100 W	200 W	300 W	500 W
DIMENSIONS	Ø280 x H164 mm	Ø400 x H197 mm	Ø400 x H140 mm	Ø 450 x H230 mm
WEIGHT	3.0 kg	4.0 kg	6.0 kg	10.0 kg

UFO LED PAR DISTRIBUTION CHARTS (PPFD)

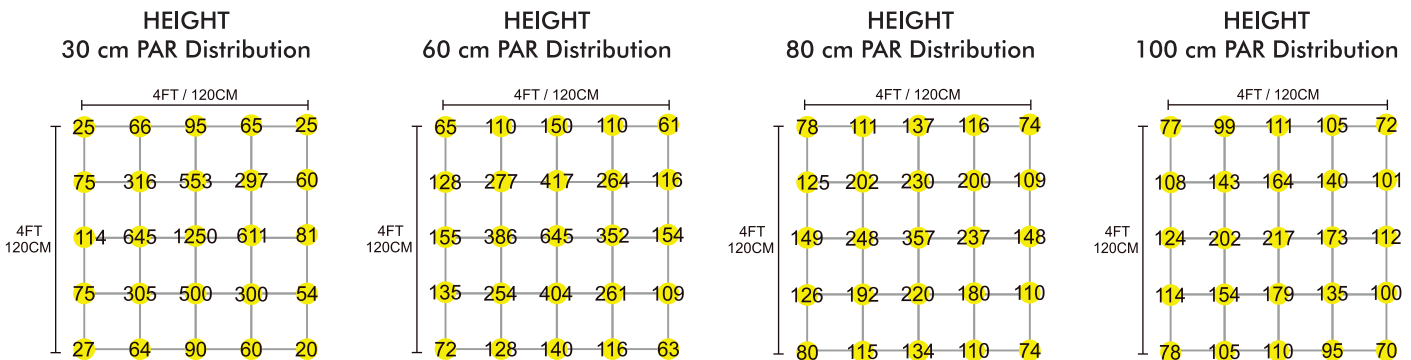
100 W UFO (2.1 $\mu\text{mol}/\text{J}$)



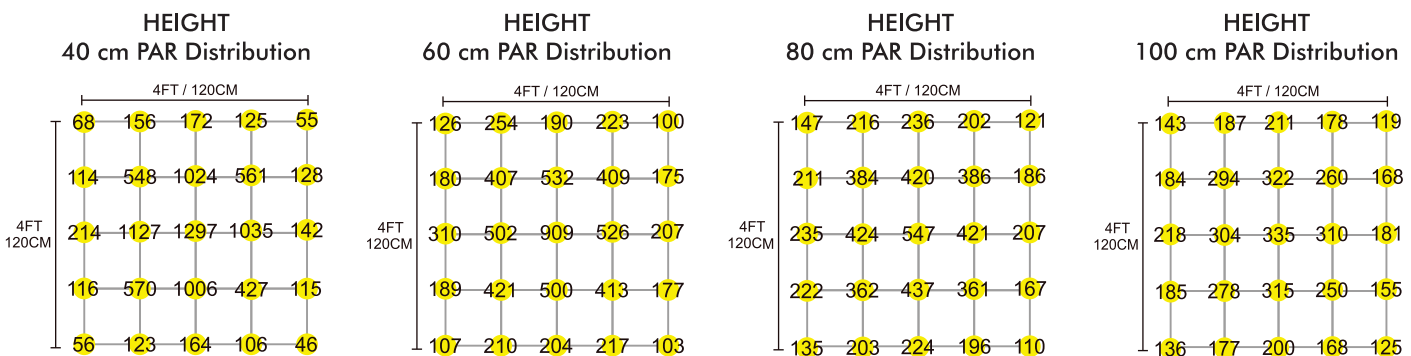
200 W UFO (2.1 $\mu\text{mol}/\text{J}$)



300 W UFO (2.1 $\mu\text{mol}/\text{J}$)



500 W UFO (2.1 $\mu\text{mol}/\text{J}$)





Model:	PRO GROW UFO - 100, 200, 300 & 500 W
Light Source:	Single Mount Diode/LED's
Colour Rendering Index	90 ra
Input Voltage:	240 V
Frequency Range:	50~60Hz
Light Beam Angle:	120 Degree
Body Case Material:	Die Cast/Pressed Aluminum
IP Grade:	IP55 (water resistant)
Lifespan:	>50,000 Hours
Min Operating Temp:	-40°C
Max Operating Temp:	40°C
Warranty:	3 Year Warranty



IP-55 water resistant housings ensure longer operation



Die-cast aluminium housings for excellent heat dissipation



Single Channel for Grow & Bloom - 100% Full Spectrum Output

SCAN FOR MORE INFO

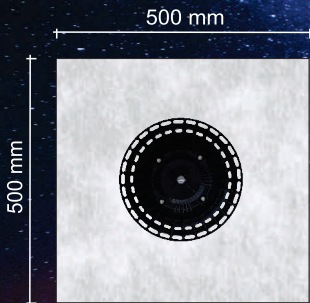


www.progrow.net.au

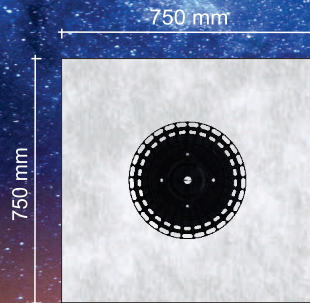
MAXIMUM RECOMMENDED LIGHT COVERAGE



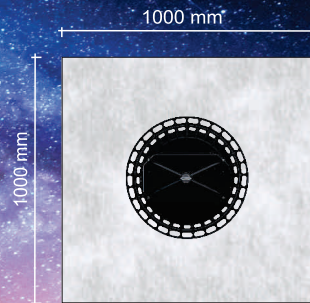
100 W UFO



200 W UFO



300 W UFO



500 W UFO

