

• Plantekno ExPAR Premium



Plantekno ExPAR Premium series provide a professional lighting solution for greenhouses and other applications. It is efficient during lighting of your greenhouse with most important features such as a long lifespan, up to $2.75 \mu\text{mol/W}$ light output and up to 96% electric using efficiency. **ExPAR Premium** series substitute traditional HID/HPS lighting with extra professional features.



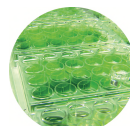
Greenhouse



Seedling Cultivation



Scientific Practices



Algae Growing

	Plus Series			
	ExPAR Premium 320W G1	ExPAR Premium 480W G1	ExPAR Premium 320W G2	ExPAR Premium 480W G2
Power Input	220-230VAC / 50-60 Hz	220-230VAC / 50-60 Hz	220-230VAC / 50-60 Hz	220-230VAC / 50-60 Hz
Power Usage	320 Watt	480 Watt	320 Watt	480 Watt
Efficiency	Up to 96%	Up to 96%	Up to 96%	Up to 96%
PPF/W	2.2 $\mu\text{mol/W}$ - 2.5 $\mu\text{mol/W}$	2.2 $\mu\text{mol/W}$ - 2.5 $\mu\text{mol/W}$	2.45 $\mu\text{mol/W}$ - 2.75 $\mu\text{mol/W}$	2.45 $\mu\text{mol/W}$ - 2.75 $\mu\text{mol/W}$
Total PPF	704 $\mu\text{mol/s}$ - 800 $\mu\text{mol/s}$	1056 $\mu\text{mol/s}$ - 1200 $\mu\text{mol/s}$	784 $\mu\text{mol/s}$ - 880 $\mu\text{mol/s}$	1176 $\mu\text{mol/s}$ - 1320 $\mu\text{mol/s}$
IP Protection	IP65	IP65	IP65	IP65
Heat Output	3.4 BTU/h.W	3.4 BTU/h.W	3.4 BTU/h.W	3.4 BTU/h.W
Working Humidity	%99	%99	%99	%99
Operating Temp.	30-40 °C	30-40 °C	30-40 °C	30-40 °C
Ambient Temp.	-10 +30 °C	-10 +30 °C	-10 +30 °C	-10 +30 °C
Spectrum	Standard and Optional	Standard and Optional	Standard and Optional	Standard and Optional
Lifespan L70	40.000h	60.000h	40.000h	60.000h
Viewing Angle	90 or 120 degree (50%)	90 or 120 degree (50%)	80 or 120 degree (50%)	80 or 120 degree (50%)
Dimension	3604x278x121mm	3604x278x121mm	3604x278x121mm	3604x278x121mm
Weight	3.8 kg	3.8 kg	3.8 kg	3.8 kg
Certificate	CE	CE	CE	CE
Warranty	4 years	5 years	4 years	5 years

Order Code	V. Angle (50%)	Power	PPF	CODE	Standard Spectrum Combinations
PL120320D090EGLH-G1	90 degree	320W	704 $\mu\text{mol/s}$	PL32A	General purpose with highest efficiency output
PL120320D090EGLH-G2	90 degree	320W	800 $\mu\text{mol/s}$	PL33G	Best combination for Germination purpose
PL120480D090EGLH-G1	90 degree	480W	1056 $\mu\text{mol/s}$	PL34S	Best combination for Seedling
PL120480D090EGLH-G2	90 degree	480W	1200 $\mu\text{mol/s}$	PL35V	Best combination for Vegetative growth
PL120320D120EGLH-G1	120 degree	320W	704 $\mu\text{mol/s}$	PL36F	Best combination for Flowering and Fruting
PL120320D120EGLH-G2	120 degree	320W	800 $\mu\text{mol/s}$		
PL120480D120EGLH-G1	120 degree	480W	1056 $\mu\text{mol/s}$		
PL120480D120EGLH-G2	120 degree	480W	1200 $\mu\text{mol/s}$		

*** Custom design available.

General Notes

- 100-277VAC Power Input
- Optionally specific spectrum combination with unique colors.
- Available Colors: 450nm, 660nm, 730nm, 2000-10000 Kelvin
- PPF, Lumen, Watt values are based general spectrum combination and can be different according to any other spectrum combinations.
- All values may vary in the range of $\pm 5\%$.
- ExPAR series use fan for cooling.

