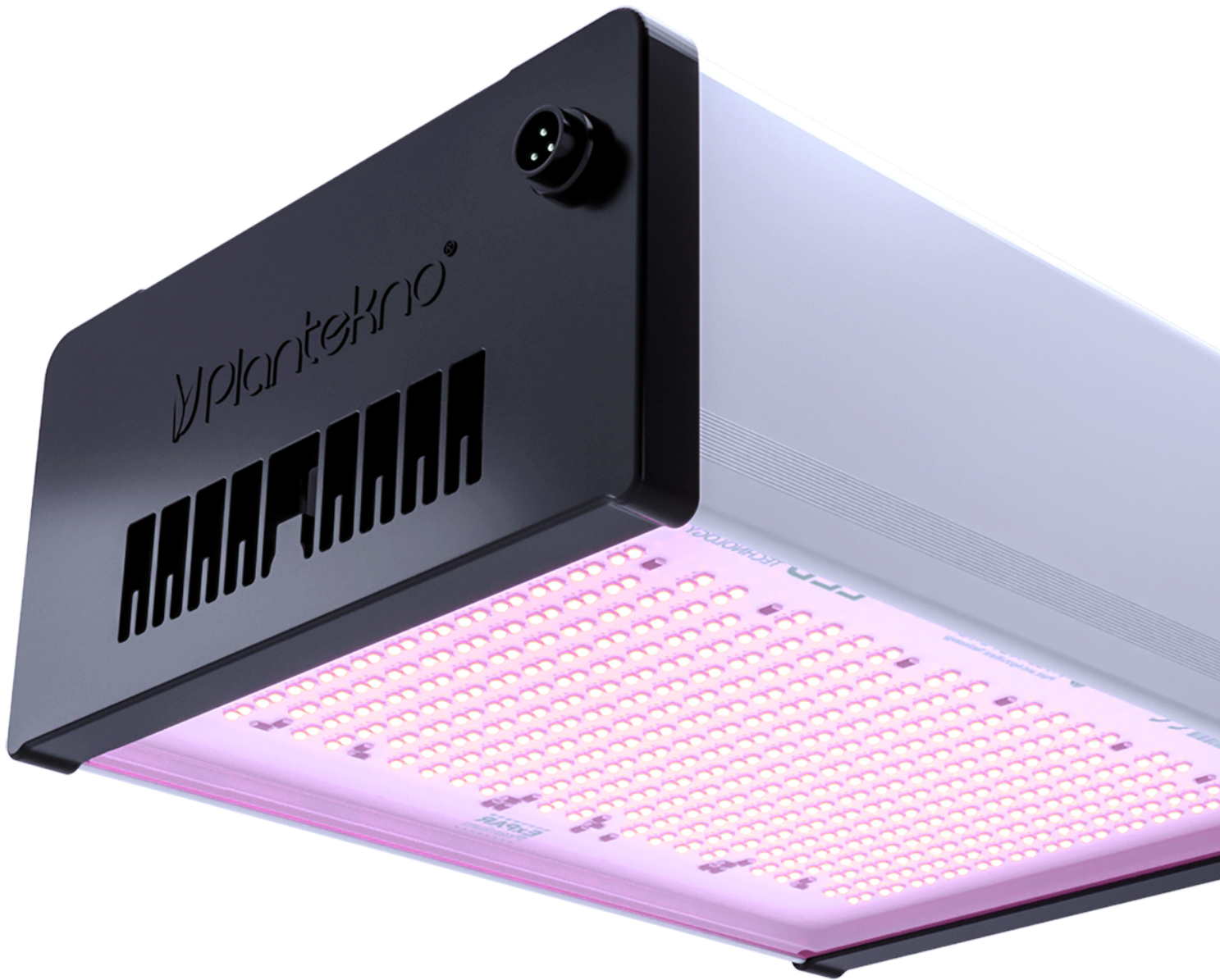




ExPAR

PREMIUM



ExPAR is a good choice for lighting in greenhouses and any other indoor applications with 320W & 480W options. ExPAR is the best solution substitute traditional HID/HPS lighting with low-cost lighting per unit area. It has the important features such as a long lifespan, up to 2.50µmol/W light output and up to 96% electric using efficiency. ExPAR has IP65 protection structure against water and humidity to use safely in all usage area. %100 anodized aluminum body provides the best thermal conductivity for healthy lighting and long lifespan.



Scientific Practices



Greenhouse



Speed Breeding



Seedling



Algae Production

	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 µmol/W	2.2 µmol/W	2.50 µmol/W	2.50 µmol/W
Total PPF	704 µmol/s	1056 µmol/s	800 µmol/s	1200 µmol/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	%96 (non-condensing)	%96 (non-condensing)	%96 (non-condensing)	%96 (non-condensing)
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	40.000h	60.000h	60.000h
Viewing Angle	90 or 120 degree (50%)	90 or 120 degree (50%)	90 or 120 degree (50%)	90 or 120 degree (50%)
Dimension	320x136x240mm	320x136x240mm	320x136x240mm	320x136x240mm
Weight	3.7 kg	4.1 kg	3.7 kg	4.1 kg
Certificate	CE	CE	CE	CE
Warranty	3 years	3 years	4 years	4 years

Order Code	V. Angle (50%)	Power	PPF	CODE	Standard Spectrum Combinations	General Notes
PL120320D090EGLH-G1	90 degree	320W	704 µmol/s	PL32A	General purpose with highest efficiency output	• 100-277VAC Power Input • Optionally a specific spectrum combination with unique colors. • Available Colors: 450nm, 660nm, 730nm, 2000-10000 Kelvin • PPF, Lumen, Watt values are based on general spectrum combination and can be different according to any other spectrum combinations. • All values may vary in the range of +5%. • ExPAR series use fan for cooling. • 90° viewing angle can be applied for only high quantity orders.
PL120320D090EGLH-G2	90 degree	320W	800 µmol/s	PL33G	Best combination for Germination purpose	
PL120480D090EGLH-G1	90 degree	480W	1056 µmol/s	PL34S	Best combination for Seedling	
PL120480D090EGLH-G2	90 degree	480W	1200 µmol/s	PL35V	Best combination for Vegetative growth	
PL120320D120EGLH-G1	120 degree	320W	704 µmol/s	PL36F	Best combination for Flowering and Fruiting	
PL120320D120EGLH-G2	120 degree	320W	800 µmol/s	*** Custom design available.		
PL120480D120EGLH-G1	120 degree	480W	1056 µmol/s			
PL120480D120EGLH-G2	120 degree	480W	1200 µmol/s			

