

PARUS LED grow light 4.0

PGL-RA AC Series Specification



PARUS

Product	Model Name	PGL-RA-250AC	PGL-RA-350AC	PGL-RA-700AC
	Power Consumption	250Watt	330Watt	680Watt
	Dimension(LxWxH)	L302mmxW160mmxH154mm (L11.8"xW6.3"xH6.0")	L302mmxW160mmxH154mm (L11.8"xW6.3"xH6.0")	L555mmxW160mmxH154mm (L21.8"xW6.3"xH6.0")
	Packing(LxWxH)	L480mmxW255mmxH230mm	L480mmxW255mmxH230mm	L670mmxW255mmxH230mm
	Weight	5.6Kg(12.3lbs)	6.3Kg(13.8lbs)	11.5Kg(25.3lbs)
Power	AC input voltage range	Free90~305VAC,47~63Hz, Option Hi-Voltage 180~528VAC		
	SMPS mode (PSU)	DC Current Design(CC.CV Doul Mode)		
	Protection	Short circuit, Overload, Over voltage, current		
	Power Factor	Efficiency ≥92%, PFC ≥0.98 @240VAC		
	Total Harmonic Distortion	THD<20%(@load≥50%/115VAC,230VAC; @load≥75%/277VAC)		
	Inrush Current	COLD START 75A(t=570s measured at50%I) at 230VAC;widthpeak Per NEMA 410		
LEDs	Spectrum-Spectrum Ratio(R:B:O)	RBS(9:0.5:0.5), RBC, RBF, RBW		
	Light source	Hi-Power 700mA (4.0μmol/J)		
	Total number of LED's	120pcs	200pcs	400pcs
	Used LED	Hi-power Grow LED		
LED Control	Single, Group Local/Wi-Fi Control	Single control / Wireless control Group dimming, Wireless control, Automatic PAR sensor dimming LED Wavelength control(RBF, RBW control mode)		
Heat Sink	Heat Sink Type		Active Cooling (Automatically operate according to environmental temperature.)	
	FRAME Material	Body	Silver Color Aluminium	
		PCB	Metal PCB(aluminium)	
		Heat conduction	2.0 w/m.k	
		Thermal resistance	0.20 °C/w	
Heat Value	BTU/h	573(BTU/h)	764(BTU/h)	1624(BTU/h)
IP Class	IP55			
Efficiency	PPFD (μmol m ⁻² s ⁻¹) RBS standard	316 μmol m ⁻² s ⁻¹ (Distance 1000mm)	442 μmol m ⁻² s ⁻¹ (Distance 1000mm)	780 μmol m ⁻² s ⁻¹ (Distance 1000mm)
	PPF (μmol/s) RBS standard	912 μmol/s	1254 μmol/s	2584 μmol/s
Ambient Temperature	Storage Temp.	-30°C ~ 85°C		
	Operation Temp.	~35°C		
Angle	Lamp angle	90°,120°		
Life time	Over 50,000hr			
Safety	Standard	UL, cUL, CE, EMC, EAC, LVD		
Warranty	3 years	(3 years)		