

PARUS LED grow light

PGL-RA AC Series Specification



Product	Model Name	PGL-RA-150AC	PGL-RA-250AC	PGL-RA-350AC	PGL-RA-700AC
	System Power Consumption	150Watt	250Watt	350Watt	680Watt
	Dimension(LxWxH)	W260mmxL170mmxH160mm (W10.2"xL6.7"xH6.3")	W312mmxL170mmxH160mm (W12.2"xL6.7"xH6.3")	W360mmxL170mmxH160mm (W14"xL6.7"xH6.3")	W600mmxL170mmxH160mm (W23"xL6.7"xH6.3")
	Packing(LxWxH)	W340mmxL250mmxH220mm	W390mmxL250mmxH220mm	W480mmxL250mmxH220mm	W700mmxL250mmxH220mm
	Weight	4.9 Kg(10.8lbs)	6.7Kg(14.7lbs)	8.2Kg(18lbs)	14.1Kg(31lbs)
Power	AC input voltage range	Free90~305VAC,47~63Hz, Option Hi-Voltage 180~528VAC			
	SMPS mode (ballast)	DC Current Design(CC.CV DouL Mode)			
	Protection	Short circuit, Overload, Over voltage, current			
	Power Factor	Over 95%, PFC >0.98			
LEDs	Spectrum-Ratio(R:B:O)	RBS(9:0.5:0.5), RBC, RBF			
	Light source	Hi-Power 700mA LED			
	Total number of LED's	100pcs	200pcs	300pcs	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 Dimming LED Wavelength, Dimming, Time, Pulse Contril			
Heat Sink	Heat Sink Type		Active Cooling		
	FRAME Metrial	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	358(BTU/h)	573(BTU/h)	764(BTU/h)	1624(BTU/h)
IP Class	IP55				
Efficiency	PPFD ($\mu\text{mol m}^{-2}\text{s}^{-1}$)	88 $\mu\text{mol m}^{-2}\text{s}^{-1}$ (Distance 1000mm)	157 $\mu\text{mol m}^{-2}\text{s}^{-1}$ (Distance 1000mm)	228 $\mu\text{mol m}^{-2}\text{s}^{-1}$ (Distance 1000mm)	354 $\mu\text{mol m}^{-2}\text{s}^{-1}$ (Distance 1000mm)
	PPF ($\mu\text{mol/s}$)	1661 $\mu\text{mol/s}$	830 $\mu\text{mol/s}$	604 $\mu\text{mol/s}$	377 $\mu\text{mol/s}$
Ambient Temperature	Storage Temp.	-30°C ~ 85°C			
	Operation Temp.	~35°C			
Angle	Lamp angle	60°,80°,90°,120°,140°			
Life time		Over 50,000hr			
Safety	Standard	UL, cUL, CE, EMC, EAC, LVD			
Warranty	3 year	(3 year)			