

PARUS LED grow light
RA Water Cooled Series -GROWLIGHT4.0 - Specification



PARUS

	Model Name	RA-350 WC	RA-700 WC	
Product	Power Consumption	330Watts @ Water temp 25°C	660Watts @ Water temp 25°C	
	Dimension(LxWxH)	L304mmxW112mmxH78mm	L556mmxW112mmxH78mm	
	Packing(LxWxH)	L338mmxW148mmxH123mm	L593mmxW148mmxH123mm	
	Weight	3.82Kg(14.7lbs)	7.26Kg(22.7lbs)	
Power	AC input voltage range	90~305VAC,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%) at 230VAC;widthpeak Per NEMA 410		
LEDs	Spectrum Ratio(R:B:O)	RBS(9:0.5:0.5), RBC, RBF, RBW		
	Light source	Hi-Power 700mA LED		
	Total number of LED's	200pcs	400pcs	
LED Control	Used LED	Hi-power Grow LED		
	Single, Group Local/Wireless Control	Single or Group Dimming, Wireless Control, Automatic PAR Dimming		
Heat Sink	Heat Sink Type	Water Cooling		
	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	113	225	
IP Class	IP65	IP65		
Efficiency	PPFD ($\mu\text{mol m}^{-2}\text{s}^{-1}$)	408 $\mu\text{mol m}^{-2}\text{s}^{-1}$ (Distance 1000mm,120°lens,RBW spectrum)	709 $\mu\text{mol m}^{-2}\text{s}^{-1}$ (Distance 1000mm,120°lens,RBW spectrum)	
	PPF ($\mu\text{mol/s}$)	1056 $\mu\text{mol/s}$	2112 $\mu\text{mol/s}$	
Ambient Temperature	Storage Temp.	-30°C ~ 85°C		
	Operation Temp.	~35°C		
Angle	Lamp angle	90°,120°		
Life time		Over 80,000hr		
Safety	Standard	UL, cUL, CE, EMC, EAC, LVD		
Warranty	3 years	(3 years)		