



PARUS LED grow light
PGL-PFL 1 line Specification



Product	Model Name		PGL-PFL 600 1 line	PGL-PFL 1200 1 line
	System Power Consumption		Max. 50 Watt	Max. 100 Watt
	Dimension(LxWxH)		610mm x 60mm x 65mm	1260mm x 60mm x 65mm
	Packing(LxWxH)		685mm x 110mm x 90mm	1275mm x 110mm x 90mm
	Weight		1.26kg	2.5kg
Power	AC input voltage range		Free voltage 90~245VAC, 50~60Hz	
	SMPS mode (ballast)		DC Current Design(C.C Mode)	
	Protection		Short circuit, Overload, Over voltage	
	Power Factor		Over 85%, PFC >0.9	
LEDs	Ratio(R:B:O)		(8:1:1)	
	Light source		Hi-Power 700mA ~ 1,050mA LED	
	Total number of LED's		20pcs	40EA
	Used LED		2~3 Watt(Double wavelength)	
Heat Sink	Heat Sink Type		Cooling by free air convention	
	FRAME Material	Body	Aluminium	
		PCB	Metal PCB(aluminium)	
		Heat conduction	2.0 w/m.k	
Thermal resistance		0.2 °C/w		
IP Class	IP66		complete protection against contact, Water projected in powerful jets against the enclosure from any direction shall have no harmful effects.	
Efficiency	PPFD		250 umol m ⁻² s ⁻¹ (measure the distance 250mm)	
	PRFD		102 WM ⁻²	
	Illumination	Real Efficiency	1,240 lx(measure the distance 1M)	
		Grow Efficiency	Approx. 5,800 lx(measure the distance 1M)	
	Lumen	Real Efficiency	1,250 lm	
		Grow Efficiency	55,000 lm	
Pulse Wavelength	Pulse		400µs	
	Duty rate		0-100%	
Ambient Temperature	Storage Temp.		-30°C ~ 85°C	
	Operation Temp.		~35°C	
Angle	Lamp angle		90°	
Life time			Over 50,000hr	
Safety	Standard		UL, cUL, CE, EMC, LVD	
Warranty	3 year		(3 year)	