

PARUS LED grow light

PGL-PFL-m Specification



Product	Model Name		PGL-PFL-m 600	PGL-PFL-m 1200	PGL-PFL-m 1500
	Power Consumption		Max. 10 Watt	Max. 20 Watt	Max. 25 Watt
	Dimension(LxWxH)		600mm x 26mm x 10mm	1200mm x 26mm x 10mm	1500mm x 26mm x 10mm
	Weight		0.19kg	0.38kg	0.47kg
Power	AC input voltage range		Free voltage 90~305VAC, 47~63Hz		
	SMPS mode (PSU)		DC Current Design(C.V, C.C Mode)		
	Protection		Short circuit, Overload, Over voltage		
	Power Factor		Efficiency $\geq 95\%$, PFC ≥ 0.98		
	Total Harmonic Distortion		THD $<20\%$ (@load $\geq 50\%/115VAC, 230VAC$; @load $\geq 75\%/277VAC$)		
	Inrush Current		Cold Start 70A(twidth=1010 μ s measured at 50% Ipeak) at 230VAC; Per NEMA 410		
LEDs	Spectrum Spectrum Ratio(R:B:O)		RBW (Please refer to "PARUS Spectrum")		
Heat Sink	Heat Sink Type		Cooling by free air convection		
	FRAME Material	Body	Aluminium		
		PCB	Metal PCB(aluminium)		
		Heat conduction	2.0 w/m.k		
	Thermal resistance	0.20 °C/w			
Efficiency	PPF (μ mol/s) RBS Spectrum Standard		25 μ mol/s	50 μ mol/s	62.5 μ mol/s
	PPF/W (μ mol/J)		2.5 μ mol/J		
	PPFD (μ mol m ⁻² s ⁻¹) RBW Spectrum Standard		150 μ mol m ⁻² s ⁻¹ (measure the distance 150mm) 115 μ mol m ⁻² s ⁻¹ (measure the distance 200mm) 80 μ mol m ⁻² s ⁻¹ (measure the distance 300mm)		
Control	Dimming Control		Single Dimming, Group Dimming, Wi-Fi Control (Please refer to "Color dimming controller")		
	Pulse / Duty rate		400 μ s / 0~100%		
IP Class	IP65		complete protection against contact, Water projected in powerful jets against the enclosure from any direction shall have no harmful effects. Option : IP67		
Ambient Temperature	Storage Temp.		-30°C ~ 85°C		
	Operation Temp.		~35°C		
Angle	Lamp angle		120°		
Life time			Over 50,000hr		
Safety	Standard		CE, EMC, UL, cUL		
Warranty	5 years		5 years		