



PARUS LED grow light

PGL-PFL-RB Standard Specification



Product	Model Name		PGL-PFL-RB Standard		
		System Power Consumption	90 Watt(1200mm, B type)	135 Watt(1800mm, B type)	180 Watt(2400mm, B type)
	Dimension(LxWxH)	1240mm x 60mm x 22mm	1840mm x 60mm x 22mm	2440mm x 60mm x 22mm	
	Packing(LxWxH)	1350mm x 110mm x 90mm	1950mm x 110mm x 90mm	2550mm x 110mm x 90mm	
	Weight	2.6kg	3.9kg	5.2kg	
Power	AC input voltage range	Free voltage 90~305VAC, 47~63Hz			
	SMPS mode (ballast)	DC Current Design(CC.CV Doul Mode)			
	Protection	Short circuit, Overload, Over voltage			
	Power Factor	Over 92%, PFC > 0.95			
LEDs	Ratio(R:B:O)	(8:1:1)			
	Light source	Hi-Power 700mA ~ 1050mA LED			
	Total number of LED's	40EA	60EA	80EA	
	Used LED	3~6 Watt(Double wavelength)			
Heat Sink	Heat Sink Type		Standard : Cooling by free air convection Option : Water Cooling		
	FRAME Metrial	Body	Aluminium		
		PCB	Metal PCB(aluminium)		
		Heat conduction	2.0 w/m.k		
	Thermal resistance	0.2 °C/w			
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			
Efficiency	PPFD	386 umol m-2 s-1(measure the distance 200mm) 232 umol m-2 s-1(measure the distance 300mm) 145 umol m-2 s-1(measure the distance 500mm) 51 umol m-2 s-1(measure the distance 1,000mm) 31 umol m-2 s-1(measure the distance 1,500mm)			
Control	Group Control	Single Dimming, Wireless Control Group Dimming, Wireless Control, Automatic PAR Dimming			
Pulse Wavelength	Pulse	400µs			
	Duty rate	0~100%			
Ambient Temperature	Storage Temp.	-30°C ~ 85°C			
	Operation Temp.	~30°C			
Angle	Lamp angle	90°(option 15°, 30°, 45°,60°, 120°)			
Life time		Over 50,000hr, Water cooling 100,000hr			
Safety	Standard(LED Driver)	CE, EMC, UL, cUL			
Warranty	2 year	LED (3 year)			

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