



**PARUS LED grow light**  
SOL Series (PGL-B18) Specification



Product	Model Name	PGL-B18(Growing)	PGL-B18(Sun Mode)	PGL-B18(wintering)	PGL-B18(Flowering)
	System Power Consumption	25°C 18Watt			
	Dimension	Ø120*136 mm			
	Packing(LxWxH)	125mm x 125mm x 143mm			
	Weight	0.555kg			
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 >0.93			
LEDs	Ratio(R:B:0)	(7:1:1)	(5:2:2)	(0:4:5)	(7:0:2)
	Light source	Hi-Power 700mA LED	Hi-Power 700mA LED	Hi-Power 700mA LED	Hi-Power 700mA LED
	Total number of LED's	9pcs			
	Used LED	Hi-power Grow LED			
Heat Sink	Heat Sink Type		Cooling by free air convection		
	FRAME Metrial	Body	Aluminium		
		PCB	Metal PCB(aluminium)		
		Heat conduction	1.8 w/m.k		
	Thermal resistance	0.18 °C/w			
IP Class	IP52				
Efficiency	PPFD (Growing Standard)		570 µmol m <sup>-2</sup> s <sup>-1</sup> (@ 100mm H) 145 µmol m <sup>-2</sup> s <sup>-1</sup> (@ 200mm H) 72 µmol m <sup>-2</sup> s <sup>-1</sup> (@ 500mm H) 25 µmol m <sup>-2</sup> s <sup>-1</sup> (@ 1,000mm H)		
Ambient Temperature	Storage Temp.		-30°C ~ 85°C		
	Operation Temp.		~35°C		
Angle	Lamp angle		140°		
Life time			Over 30,000hr		
Safety	Standard		CE, EMC		
Warranty	2 year		2 year		

