



PARUS LED grow light

SOL Series (PGL-E18) Specification



Product	Model Name		PGL-E18(Growing)	PGL-E18(Sun Mode)	PGL-E18(wintering)	PGL-E18(Flowering)
	System Power Consumption		25°C 18Watt			
	Dimension		Ø120*136 mm			
	Packing(LxWxH)		125mm x 125mm x 143mm			
	Weight		0.31kg			
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:O)		(7:1:1)	(5:2:2)	(Ø:4:5)	(7:Ø: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)		1550 µmol m ⁻² s ⁻¹ (@ 100mm H) 458 µmol m ⁻² s ⁻¹ (@ 200mm H) 99 µmol m ⁻² s ⁻¹ (@ 500mm H) 35 µmol m ⁻² s ⁻¹ (@ 1,000mm H)			
Ambient Temperature	Storage Temp.		-30°C ~ 85°C			
	Operation Temp.		~35°C			
Angle	Lamp angle		60°			
Life time			Over 30,000hr			
Safety	Standard		CE, EMC			
Warranty	2 year		2 year			

