

PARUS LED grow light
PGL-B18 - Specification



Product	Model Name		PGL-B18	
	System Power Consumption		25°C 18.5Watt	
	Dimension		Ø120*136 mm	
	Packing(LxWxH)		121mm x 120mm x 153mm	
	Weight		Ø.255kg	
Power	AC input voltage range		Free voltage 85~285VAC, 50~60Hz	
	SMPS mode (ballast)		DC Current Design(C.C Mode)	
	Protection		Short circuit, Overload, Over voltage	
	Power Factor		Over 85% (PFC 0.6)	
LEDs	Ratio(R:B:0)		(0:3:6)	
	Light source		Hi-Power 700mA LED	
	Total number of LED's		9EA	
	Used LED		Hi-power Grow LED	
	RED	Number of LED's		
		Type of LED		
		Peak Wavelength		
		Dominant Wavelength		
	Blue	Number of LED's		3ea
		Type of LED		3 watt Hi-power LED
		Peak Wavelength		435nm
		Dominant Wavelength		445nm
	UV	Number of LED's		
		Type of LED		
		Peak Wavelength		
Dominant Wavelength				
Infrared	Number of LED's			
	Type of LED			
	Peak Wavelength			
	Dominant Wavelength			
Other	Number of LED's		6ea(white)	
	Type of LED		3 watt Hi-power LED	
	Peak Wavelength		440nm	
	Dominant Wavelength		465nm	
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	730 umol m ⁻² s ⁻¹ (distance 100mm)		
		230 umol m ⁻² s ⁻¹ (distance 200mm) 112 umol m ⁻² s ⁻¹ (distance 300mm) 46 umol m ⁻² s ⁻¹ (distance 500mm)		
Ambient Temperature	PRFD			
	Storage Temp.	-30°C ~ 85°C		
Angle	Operation Temp.		~35°C	
	Lamp angle		140°	
Life time			Over 50,000hr	
Safety	Standard		CE, EMC	
Warranty	2 year		SMPS (2 year), LED (3 year)	

PARUS LED Grow light Wavelength

