

PARUS LED grow light

D-RBC II GROWLIGHT 4.0 Specification



Product	Model Name		PGL-DRBCII "B" model			
	System Power Consumption		120 Watt(1500mm)	160 Watt(2000mm)	200 Watt(2500mm)	240 Watt(3000mm)
	Dimension(LxWxH)		1500mm x 51mm x 44mm	2000mm x 51mm x 44mm	2500mm x 51mm x 44mm	3000mm x 51mm x 44mm
	Packing(LxWxH)		1600mm x 70mm x 55mm	2100mm x 70mm x 55mm	2600mm x 70mm x 55mm	3100mm x 70mm x 55mm
	Weight		3.3kg	4.3kg	5.2kg	6.5kg
Power	AC input voltage range		Free voltage 100~305VAC, 47~63Hz (option Hi-Voltage 180~528VAC)			
	SMPS mode (PSU)		DC Current Design(C.V, C.C Mode)			
	Protection		Short circuit, Overload, Over voltage			
	Power Factor		Efficiency PF 0.97/115VAC, PF 0.95/230VAC, PF 0.92/277VAC@full load			
	Total Harmonic Distortion		THD< 10%(@load 50%/115VC,230VAC; @load 75%/277VAC)			
LEDs	Inrush Current		COLD START 65A(twidth=550s measured at 50% Ipeak) at 230VACμ; Per NEMA 410			
	Spectrum Spectrum Ratio(R:B:O)		RBS, RBC, RBF, RBW (Please refer to "PARUS Spectrum")			
Heat Value	BTU/h		246	328	409	491
	Efficiency	PPF (μmol/s) RBS Spectrum Standard		432	576	720
PPF/W (μmol/J)		3.6/RBS, 3.4/RBC, 3.5/RBF, 3.2/RBW				
PPFD (μmol m ⁻² s ⁻¹) RBS Spectrum Standard, 150° angle		486 μmol m ⁻² s ⁻¹ (measure the distance 150mm) 355 μmol m ⁻² s ⁻¹ (measure the distance 200mm) 223 μmol m ⁻² s ⁻¹ (measure the distance 300mm) 122 μmol m ⁻² s ⁻¹ (measure the distance 500mm)				
Control	Dimming Control		0-10v, PWM, Single Dimming, Group Dimming, Wi-Fi Control (Please refer to "Color dimming controller")			
Heat Sink	Heat Sink Type		Passive Cooling			
	FRAME Metrial	Body	Aluminium			
		PCB	Metal PCB(aluminium)			
		Heat conduction	2.0 w/m.k			
	Thermal resistance	0.2 °C/w				
IP Class	IP67		Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).			
Ambient Temperature	Storage Temp.		-30°C ~ 85°C			
	Operation Temp.		~35°C			
Angle	Lamp angle		150°(option 30°, 45°,60°,90°)			
Life time			Over 50,000hr, Water cooling 100,000hr			
Safety	Standard(LED Driver)		CE, EMC			
Warranty	3 year		3 year			