



# PARUS LED grow light

TERA Specification



<b>Product</b>	Model Name		TERA Timer, Red/Blue Dimming
	System Power Consumption		Max. 35 Watt
	Dimension(LxWxH)		650mm x 60mm x 65mm
	Packing(LxWxH)		685mm x 110mm x 90mm
	Weight		1.8kg
<b>Power</b>	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 > 0.90
<b>LEDs</b>	Ratio(R:B:0)		(11:3:4)
	Light source		Hi-Power 700mA ~ 1050mA LED
	Total number of LED's		18EA
	Used LED		2~3 Watt(Double wavelength, 430nm, 450nm, 635nm, 660nm)
<b>Heat Sink</b>	Heat Sink Type		Cooling by free air convection
	FRAME Metrial	Body	Aluminium
		PCB	Metal PCB(aluminium)
		Heat conduction	2.0 w/m.k
		Thermal resistance	0.2 °C/w
<b>IP Class</b>	IP54	complete protection against contact, Water projected in powerful jets against the enclosure from any direction shall have no harmful effects.	
<b>Efficiency</b>	PPFD	384 μmol m <sup>-2</sup> s <sup>-1</sup> (@ 200mm H) 238 μmol m <sup>-2</sup> s <sup>-1</sup> (@ 300mm H) 136 μmol m <sup>-2</sup> s <sup>-1</sup> (@ 500mm H) 47 μmol m <sup>-2</sup> s <sup>-1</sup> (@ 1000mm H)	
<b>Pulse Wavelength</b>	Pulse	400μs	
	Duty rate	1~100%	
<b>Ambient Temperature</b>	Storage Temp.	-30°C ~ 85°C	
	Operation Temp.	~30°C	
<b>Angle</b>	Lamp angle	90°	
<b>Life time</b>		Over 30,000hr	
<b>Safety</b>	Standard(LED Driver)	UL, cUL, CE, EMC	
<b>Warranty</b>	2 year	2 year	

