



# G1150 high intensity LED grow light

A patent-pending compact LED artificial luminaire designed for emitting an electromagnetic spectrum similar to sunray in stimulating the plant growth. It is featuring with full spectrum that could be promoting photosynthesis for plants throughout the vegetative and reproductive growth stages.



## General Characteristic

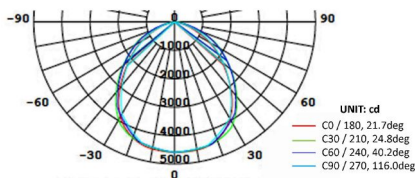
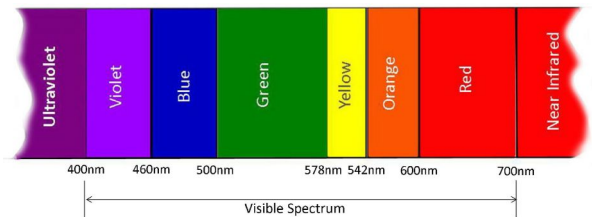
Body structure	Aluminium alloy profile fitted with proprietary PMMA multiple-lens water resistance diffuser
Thermal management	Integrated with housing
Cable gland type	Stainless steel
Rated life span	≥50000 hours (accumulative)
Ingress protection	IP65
Industrial standard	EMC Directive 2004/108/EC
Operation temperature	-40°C ~ +60°C
Certification	CE, FCC, RoHS
Net weight	4.06 kg
Relative moisture	10% ~ 90%
Total harmonic distortion	<15%

## Light Characteristic

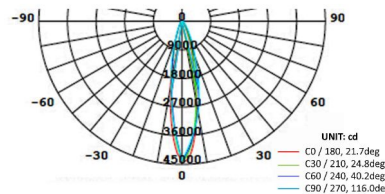
Light source	Bridgelux high intensity LED chips coupled with multiple secondary lens insulated cover
Color temperature (white)	6000~6500K
Full spectrum (400~800nm)	See wavelength curve below
Color rendering index	Ra >75
Luminous efficacy (white)	120 lumen per watt
Peak intensity	45000cd
Luminous efficiency	≥95%
Ultra valet ray	Free
Beam angle (optional)	15°/25°/45°/60°/90°/70°*140°

## Electrical Characteristic

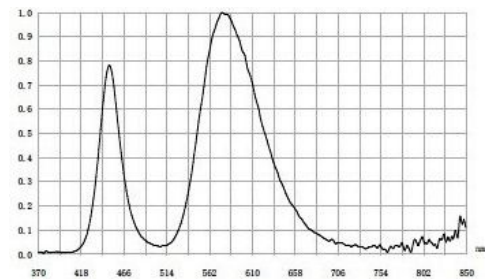
Input voltage	90~265VAC, 47~63Hz
Output voltage	35Vdc
Rated power	120.0W
System power	126.3W
Power factor	PF ≥0.95
Power efficiency	>95%
Certification	CE, TUV, RoHS compliant



Typical broad beam photometric



Typical narrow beam photometric



Full spectrum wavelength curve

## Packing information

Model #	Power Rating		Lumen (White)	Module	Overall Size (mm)			Weight		Packing Information	
	Rated	System			L	W	H	kg	lbs	Box Size (mm)	G/Weight
G115030-084W040	40.0W	42.1W	4800	1 unit	300	130	50	1.5	3.3	300 x 140 x 100	1.9 kg
G115060-112W060	60.0W	63.2W	7200	2 units	600	130	50	2.2	4.8	610 x 140 x 100	2.7 kg
G115060-168W080	80.0W	84.2W	9800	2 units	600	130	50	2.2	4.8	610 x 140 x 100	2.7 kg
G115090-224W100	100.0W	105.2W	12000	3 units	900	130	50	3.5	7.7	910 x 140 x 100	4.1 kg
G115090-252W120	120.0W	126.3W	14400	3 units	900	130	50	3.5	7.7	910 x 140 x 100	4.1 kg
G119120-336W150	150.0W	157.9W	18000	4 units	1200	130	50	4.3	9.5	1210 x 140 x 100	5.0 kg
G119150-448W200	200.0W	210.5W	24000	5 units	1500	130	50	7.4	16.3	1510 x 140 x 100	8.3 kg

