



8055090G-60W80

80W modular 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

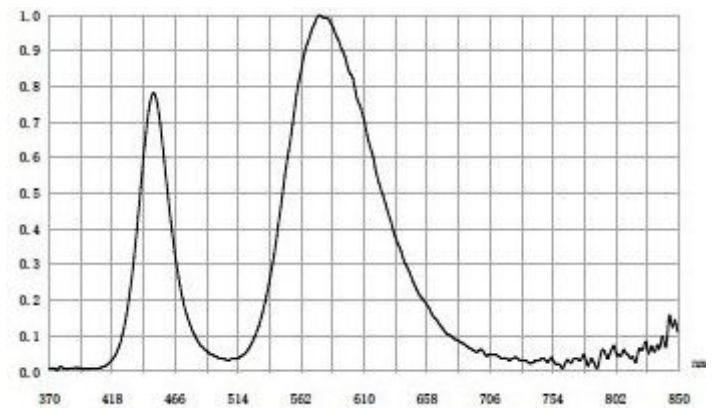
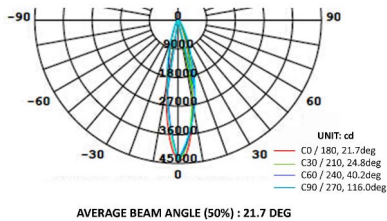
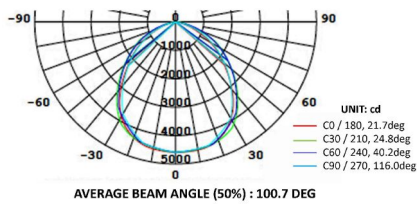
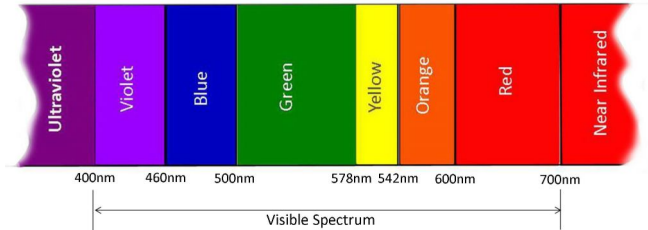
Body structure	Aluminium alloy profile fitted with 3 units of LED module coupled with proprietary PMMA multiple-lens diffuser
Thermal management	Integrated with housing
Cable gland type	Stainless steel
Rated life span	≥50000 hours (accumulative)
Ingress protection	IP60
Industrial standard	EMC Directive 2004/108/EC
Operation temperature	-40°C ~ +60°C
Certification	CE, FCC, RoHS
Size overall	900 x 80 x 55mm (L x B x H)
Net weight	1.68 kg
Relative moisture	10% ~ 90%
Total harmonic distortion	<15%

Light Characteristic

Light source	High intensity LED module comprises of 24 pieces of 2835 chips coupled with multi-lens insulated cover.
Color rendering index	Ra >75
Color temperature	Full spectrum: 400~800nm White color: 6000~6500K
Luminous efficacy	8258 lumen
Luminous efficiency	≥95%
Ultra violet ray	Free
Beam angle (optional)	15°/25°/45°/60°/90°/70°*140°
Peak intensity	45000cd
RF interference	No

Electrical Characteristic

Input voltage	90~265VAC, 47~63Hz
Output voltage	35Vdc
Power factor	PF ≥0.9
Power efficiency	>95%
Emergency power conversion kit	SS490: Part 2:7:2001 and IEC 61347-2-7 compliant PSB/TUV certification



Full spectrum wavelength curve

