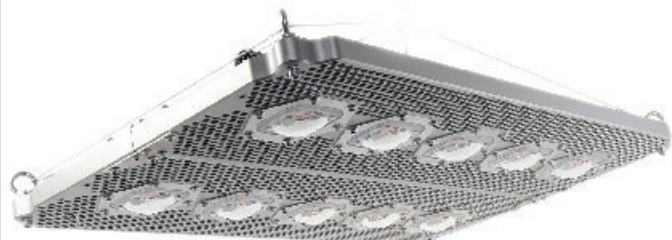


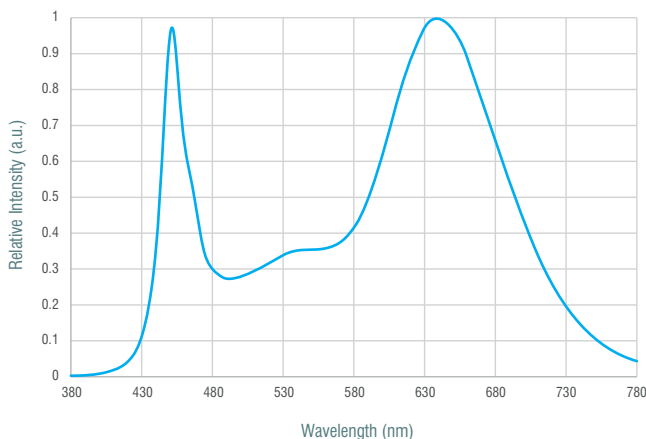
Specification Sheet



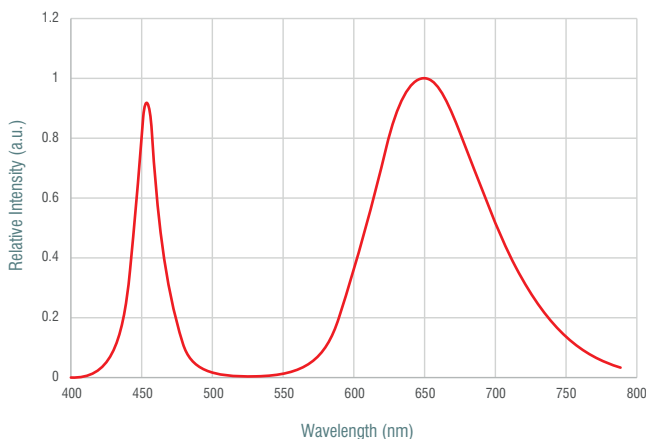
MAGNETAR Pro DS Horticulture Lighting

Relative Spectral Power Distribution

White LED Chip Spectrum



Red LED Chip Spectrum



Technical Characteristics

Max Power	660 W
Fixture Efficacy	2.20 $\mu\text{mol}/\text{j}$
Typical Output	1453 $\mu\text{mol}/\text{s}$
Dimming	8 Programmed Modes 160-660 W
IP Rating	IP 67
Operation Temperature	-40°C / +60°C
Luminary Dimensions*	650 x 440 x 80 mm
Luminary Weight*	14 Kg
Control Panel Dim.	300 x350 x 160 mm
Control Panel Weight	12 Kg
Warranty	7 Years
Main Reference Standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, EN 60529, EN 62262

* Suspended Part

Electrical Characteristics

Power Supply	Drivers without Electrolytic Capacitors
Voltage Range	90~305 V/AC Universal Input 110/230 V
Frequency	47 - 63 Hz
Power Factor	$\geq 0.97/115 \text{ V/AC}$ $\geq 0.95/230 \text{ V/AC}$
Protection	Short Circuit, Over Voltage Over Current, Over Temperature
Power Supply Lifetime	>100,000 hours
Safety Standards	LVD EN 61347-1, EN 61347-2-13, KS C 7655
EMC Emissions	EN 55015, EN 61000-3,-2,-3
EMC Immunity	EN 61000-4-2,-3,-5,-5,-6,-8,-11, EN 61547
LED Chip Lifetime	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, EN 60529, EN 62262

Materials

Fixing-Cooler	6063 Aluminium alloy, Anodized
Optics	Silicone lens, self-sealable design
Assembly Parts	Inox 316

