

MALTANI

HORTICULTURE LIGHTING 6 _ Powerful Red Full Spectrum LED

Product feature

Housing material	Aluminum
Finishing	Anodic oxidation
Optics materials	PC cover (transmission >90%)
Radiation angle	120° (± 5%)
Protection degree	IP65 (dust and watertight)

Product details

External driver, easy for maintenance and good for heat dissipation
Design DIY type packaging way, it can help save shipping cost

Technical data

Light Source	Horticulture LED
Input Power	600 Watt (typical values for stable operation at 25°C/77 °F ambient temperature)
CCT	3,800 K (± 5%) / 5,000 K Cool White + Red 660nm
CRI	> 85 Ra
Power Factor	> 0.9
Voltage range	Autosensing 100-277 V
Current range	6.0 / 3.5 A (@120 / 220 Vac)
Frequency range	50 / 60 Hz
Thermal Management	Passive
Inrush current	4.70 A ² s (@ 220 Vac, 25 °C / 77 °F Duration=7.64 ms / 10 % I _{pk} , -10 % I _{pk})
Operation conditions	-40 °C to 80 °C
Storage conditions	-40 °C to 85 °C

Optical properties

PPF (Photon flux)	1570 µmol/s (+ 5%)
PPE (Efficacy)	3.11 µmol/J (+ 5%)
Warranty	3 Years

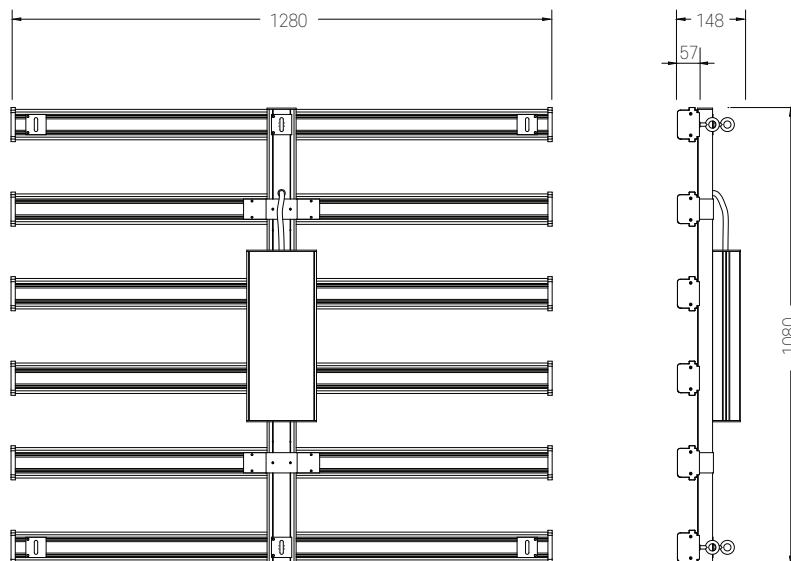
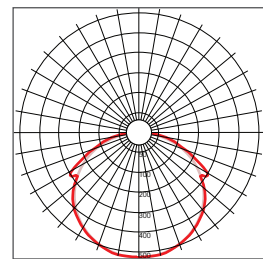
Compliance

UL certification
Low Voltage Directive (LVD)
Electromagnetic Compatibility Directive (EMC)
Restriction of Hazardous Substances (RoHS) Directive
KS

Weight and dimensions

Single Light Module	1.2 kg / 2.65 lb x 6 pcs
Components (Power + Bracket)	5.82 kg / 12.83 lb
Dimensions	L1280 x W1080 x H148

Polar Distribution



PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$)

Cover area

1m x 1m

Height fixture

0.3 m / 0.45 m / 1 m

Measuring device

PG 100N -250A

938	1004	1044	1068	1074	1074	1071	1068	1045	1014	958
945	1000	1033	1041	1055	1052	1047	1038	1020	987	942
911	960	996	1016	1022	1025	1029	1026	1009	981	939
863	928	957	955	959	960	962	959	944	915	874
943	973	997	1038	1046	1049	1051	1031	1003	989	922
878	918	959	965	970	975	976	973	967	940	891
942	998	1033	1058	1070	1072	1063	1034	999	980	936
915	943	967	991	1002	995	984	965	948	919	872
922	975	1012	1035	1044	1053	1050	1044	1024	986	932
926	985	1019	1038	1042	1041	1039	1039	1022	995	948
948	1017	1057	1077	1080	1087	1077	1068	1046	1012	944

Height fixture 0.3 m

≥ Average	995 $\mu\text{mol}/\text{m}^2/\text{s}$	
Maximum	1,087 $\mu\text{mol}/\text{m}^2/\text{s}$	
Minimum	863 $\mu\text{mol}/\text{m}^2/\text{s}$	
< Average ~ > Minimum		

885	924	955	980	990	992	989	983	967	944	916
905	936	967	987	998	1006	1004	995	979	954	930
891	920	949	966	974	976	973	964	949	926	901
927	952	978	998	1008	1010	1006	997	981	957	924
890	923	946	957	964	963	961	951	939	915	880
882	909	935	954	962	961	956	942	930	896	871
863	989	924	933	944	951	951	950	940	914	878
902	935	962	979	986	988	986	977	961	939	914
903	934	963	981	991	995	993	984	968	945	922
921	954	978	996	1006	1015	1010	1002	988	964	941
916	945	970	986	993	995	994	978	960	934	906

Height fixture 0.45 m

≥ Average	953 $\mu\text{mol}/\text{m}^2/\text{s}$	
Maximum	1015 $\mu\text{mol}/\text{m}^2/\text{s}$	
Minimum	863 $\mu\text{mol}/\text{m}^2/\text{s}$	
< Average ~ > Minimum		

737	746	754	765	770	774	771	766	760	750	738
759	767	779	787	792	794	790	788	780	771	764
761	770	780	792	801	802	790	785	777	769	763
776	787	798	805	809	811	808	803	793	783	774
773	784	792	798	803	804	802	795	787	779	767
773	783	794	801	805	807	804	798	792	781	771
783	794	804	812	816	818	813	809	801	792	781
772	785	791	797	801	803	801	798	792	782	773
771	780	790	797	803	805	806	799	791	785	773
766	772	783	790	793	793	795	794	790	784	773
760	769	776	782	785	786	785	780	776	766	757

Height fixture 1 m

≥ Average	785 $\mu\text{mol}/\text{m}^2/\text{s}$	
Maximum	818 $\mu\text{mol}/\text{m}^2/\text{s}$	
Minimum	737 $\mu\text{mol}/\text{m}^2/\text{s}$	
< Average ~ > Minimum		