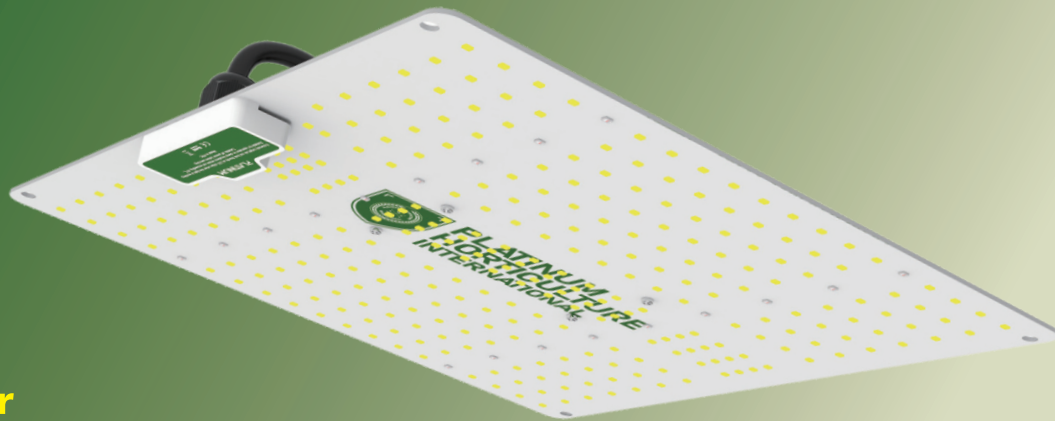


PLATINUM

LED Horticultural Light



Output Power

120W

With a wide-angle footprint and Perfect Blend Ideal Spectrum,

2.5 $\mu\text{mol}/\text{J}$ Efficacy

Optimized Vegetative Spectrum

LED Horticulture Light
USER MANUAL

SAFETY RECOMMENDATIONS

- Please read this manual thoroughly before attempting to install or operate any PLATINUM system.
- After successful installation and configuration of the system, be sure to retain this manual in a safe place for future reference. Safety is a key component to a long lasting and trouble-free installation.
- It is important you read, fully understand, and observe the subsequent safety precautions. If you are not comfortable with the installation of high performance lighting systems, you should seek the services of a qualified installation professional or call us for help.
- NOTICE: The LED are high-performance lighting systems. Do not touch while in operation.
- Connect the system only to the power sources of the appropriate voltage using the AC plug type received. Protect power cables from being pinched, walked on, or otherwise damaged. Be especially careful where the power cable enters the power outlet and the unit. Only connect the system to an electrical outlet or extension cord of appropriate type and rating. Connect the system only to the power sources of the correct voltage using the plug received.
- DO NOT defeat the safety purpose of a grounding or polarized plug by removing ground pins or using unsafe adapters. A polarized plug has two blades—one wider than the other. A grounding plug has a third ground prong in addition to the two main conductors. The wide blade or third grounding prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician to replace your obsolete outlet. If you replace the power cord, only use one of similar type and equal or greater current rating.

CULTIVATION BEST PRACTICES

Encourages everyone to experiment and pursue their own techniques. Every crop is different and everyone has different goals. However, our internal research has given us insight into several strategies we would like to share.

- Regularly check your plants' growth and health. LED NATURAL LIGHT systems deliver high levels of PAR, typically more than experienced in nature. Adjustments to H2O, CO2, RH, nutrients, and temperature are typically required.
- Mount the fixture at least 6" from the top of your canopy to ensure optimal uniformity and consistent PPF. The LED Series was designed to provide uniform light dispersion and requires precise deployment.
- Many plants prefer higher temperatures when exposed to high PPF. Experiment with higher temperatures to achieve higher yields. Canopy temperature and room ambient temperature often vary. For accurate results, test at the canopy level to gauge leaf surface temperature.

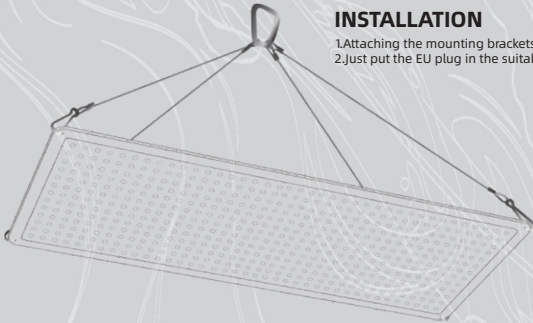
GENERAL CARE

LED Series systems are passively cooled with zero moving components. They are designed for harsh environments and years of maintenance-free performance. Some basic care will keep your system operating at peak performance cycle-after-cycle.

- Natural convection removes heat away from the heatsink. In order for the system to properly cool itself, at least one inch of space is required between the console and the roof of your grow area. Failure to do so may shorten the fixture's lifespan.
- To achieve the optimal lifespan and performance of your fixtures, routinely check for and remove excess dust, debris, and mineral build up from heatsink and LED array. Cleaning should always be done with the fixture unplugged from its power source using low-pressure compressed air or water to rinse away dirt from light bars.
- Never use a cloth to clean the diode array. Doing so can scratch or compromise the integrity of the silicon seal, or dislodge diodes entirely.
- To limit degradation, avoid touching the diodes with your hands, even in a powered off state.

INSTALLATION

1. Attaching the mounting brackets;
2. Just put the EU plug in the suitable position.



LED solutions are high-performance lighting systems. Do not touch while in operation. Last and most important, please recycle all packaging material. Future generations will thank you.

Truly Full Spectrum for the Full Plant Lifecycle



Warm White LED
promotes plant germination.

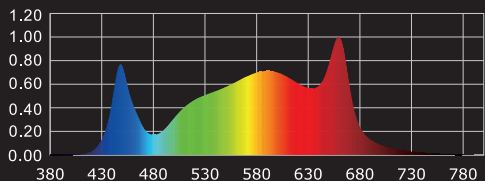


Cold White LED
Boosts Plant Flowering



RED LED
Promotes Plant Flower

Full-spectrum



Maximize plant growth and quality

This powerful, full-spectrum light source is intended for full-term plant growth - from the vegetative stages to higher-light-requiring bloom and finishing stages.

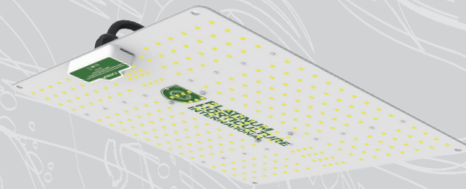


120W

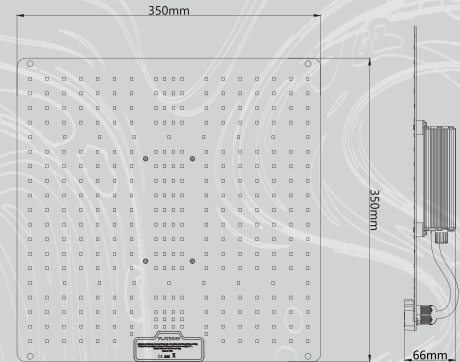
Quantum Board

TECHNICAL SPECS

Max.Power:	PLATINUM Quantum Board 120W±3%
Nominal Voltage:	200V-277V
Nominal Current:	0.42A-0.6A
Power Factor:	>0.95 @120W
Input Frequency:	50-60Hz
Plug Type:	EU E & F
Efficacy:	2.5umol/J
Output:	300PPF
Photon flux:	13308 lm
Color Temperature:	3400K
Length:	350mm
Width:	350mm
Height:	66mm
Weight:	2.7kg
IP Protection:	IP65
Diodes:	SAMSUNG
Diodes quantity:	324pcs
Beam Angle:	180°
Dimming:	20% 40% 60% 80% 100%
Waterproof Rating:	IP65
Temp. Range	~-30°C to 30°C
Operation Humidity:	10% to 95% rh
Certifications:	CE RoHS
Warranty Time:	3 years



FIXTURE DIMENSIONS



Par Distribution(4x4ft Coverage)

Height of 12"/30CM PAR Distribution

55	63	71	79	83	87	87	86	81	74	66	55	79
63	76	86	103	108	116	112	104	103	90	79	70	55
69	84	103	127	150	172	177	168	145	118	94	79	63
80	103	135	176	225	268	272	257	205	157	120	89	71
92	123	174	257	348	420	435	391	300	213	141	100	76
97	143	212	313	493	603	644	588	418	275	170	112	84
97	143	237	387	582	770	811	691	483	313	118	124	85
100	148	247	409	588	777	805	690	503	320	181	123	84
96	139	213	335	493	633	670	575	430	280	172	115	80
84	115	167	254	350	444	466	411	313	224	145	99	73
74	94	125	171	226	277	283	252	195	147	105	84	63
64	77	95	113	145	116	169	163	145	111	83	69	56
57	66	77	98	113	124	123	121	105	89	69	60	53

Height of 24"/60CM PAR Distribution

80	84	91	95	102	105	103	101	96	91	87	80	70
86	106	109	120	124	131	129	117	123	117	107	97	82
95	111	126	137	148	153	154	152	144	134	122	106	89
101	123	143	160	176	183	184	182	169	150	134	116	95
112	136	159	183	203	215	214	210	193	171	147	122	100
118	142	171	203	230	248	252	241	216	190	161	133	107
112	153	184	221	253	273	280	267	237	202	169	140	111
123	152	181	220	253	274	281	268	238	205	169	138	108
120	150	175	206	240	262	266	254	230	193	164	133	105
109	137	162	187	210	231	233	225	203	176	149	122	99
99	120	139	159	179	191	199	194	183	154	133	109	90
90	100	117	130	140	154	162	156	142	130	112	96	82
83	90	103	115	123	131	134	129	124	107	96	85	75

Height of 36"/90CM PAR Distribution

74	86	88	88	91	93	91	89	90	86	85	79	69
86	96	101	107	110	111	112	110	106	104	100	94	81
93	104	111	117	121	124	124	122	119	113	109	100	86
95	112	120	128	133	136	137	134	130	124	116	106	94
103	119	128	136	141	145	146	143	138	130	121	110	93
103	118	131	141	148	152	152	149	144	135	123	112	97
102	121	134	144	152	157	158	155	148	138	128	115	97
99	120	133	143	152	157	157	154	147	138	127	112	95
101	118	129	138	146	153	152	150	144	134	124	113	94
97	113	121	128	136	141	142	141	137	128	117	107	90
91	104	144	120	126	131	132	132	129	118	110	102	88
86	96	103	108	113	114	116	117	111	106	100	93	87
79	89	95	100	104	108	109	106	101	97	91	82	74

WARNING

Risk of electrical shock.
To reduce the possibility of serious injury, always take the proper precautions and unplug the fixture before moving or cleaning.

WARNING

In the event that the module or power supply enclosure becomes submersed, first disengage the circuit breaker, then unplug submersed components before proceeding to remove from water.

CAUTION

To prevent eye damage, avoid looking directly at the unshielded LEDs.

CAUTION

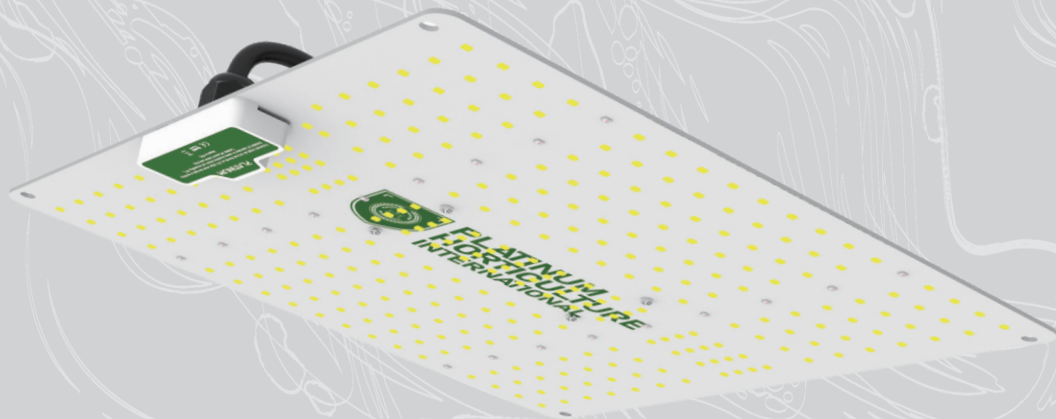
LED and heat sink surfaces may be hot. Allow sufficient cooling time before handling.

CAUTION

To reduce the risk of overheating or fire, never place operating fixtures face down on a flush surface. Always allow for adequate ventilation of fixtures and power supplies.

PLATINUM

LED Horticultural Light



120W | Quantum Board

