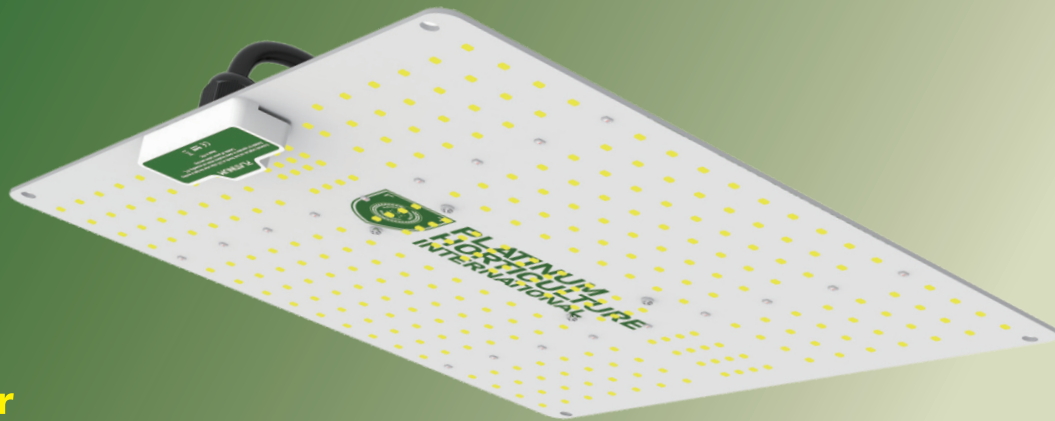


PLATINUM

LED Horticultural Light



Output Power 240W

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 PPFD. The LED Series was designed to provide uniform light dispersion and requires precise deployment.
- Many plants prefer higher temperatures when exposed to high PPFD. 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.

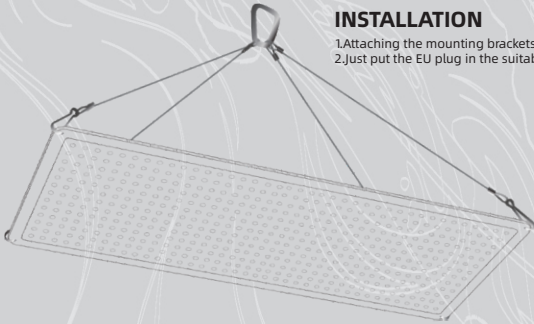
GENERAL CARE

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.

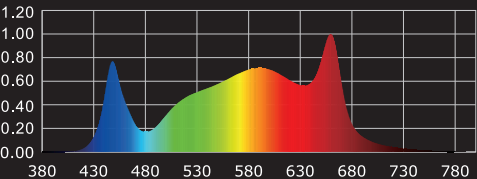


Cold White LED
Boosts Plant Flowering



RED LED
Promotes Plant Flower

Full-spectrum



Maximize plant growth and quality

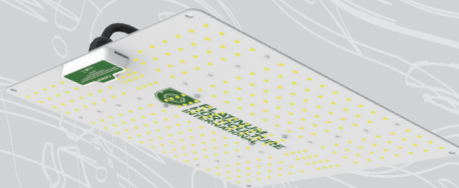
This powerful, full-spectrum light source is intended for full-term plant growth - from the vegetative stages to higher-light-requiring bloom and finishing stages.



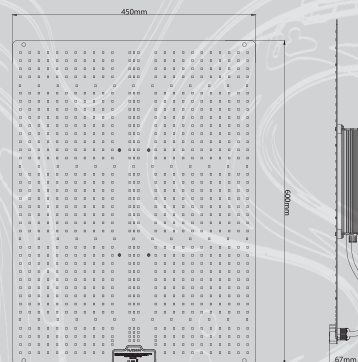
240W Quantum Board

TECHNICAL SPECS

Max.Power:	PLATINUM Quantum Board 240W±3%
Nominal Voltage:	200V-277V
Nominal Current:	0.85A-1.2A
Power Factor:	>0.95 @I20W
Input Frequency:	50-60Hz
Plug Type:	EU E & F
Efficacy:	2.5umol/J
Output:	600PPF
Photon flux:	26616 lm
Color Temperature:	3400K
Length:	600mm
Width:	450mm
Height:	67mm
Weight:	3.8kg
IP Protection:	IP65
Diodes:	SAMSUNG
Diodes quantity:	652pcs
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

131	146	178	192	214	218	222	210	191	168	136	117	102
150	188	221	265	295	317	309	291	256	212	180	144	114
177	224	282	360	433	455	452	411	355	277	210	166	133
214	270	366	485	603	665	668	609	491	357	260	188	145
226	307	466	632	810	911	900	808	636	456	307	235	159
250	354	500	733	943	1068	1073	949	748	527	542	234	162
241	364	538	774	1011	1151	1147	1024	798	533	346	235	171
242	364	530	789	997	1124	1123	1105	790	530	345	230	161
231	328	506	716	932	1022	1020	901	707	480	330	220	166
200	192	408	570	725	838	837	758	600	409	284	196	148
175	235	317	431	558	588	576	516	425	331	250	180	134
144	181	231	291	310	400	382	347	298	226	183	151	111
133	157	191	227	260	276	277	258	220	184	147	125	108

Height of 24"/60CM PAR Distribution

168	191	211	217	225	227	223	216	204	190	175	165	139
181	215	236	260	276	287	274	269	241	227	207	191	157
211	250	279	305	329	328	333	332	291	269	244	217	183
228	277	316	355	381	394	399	379	344	307	266	228	190
247	300	349	392	430	448	447	424	380	329	287	240	198
259	307	354	417	456	481	483	455	410	357	304	255	208
253	313	369	420	477	500	502	474	420	366	307	255	204
250	313	366	416	466	495	491	465	417	360	306	256	204
242	303	350	398	449	465	470	444	399	340	294	244	197
221	281	319	359	400	423	418	402	356	311	266	227	186
201	244	280	313	336	354	350	336	307	277	240	211	172
183	207	234	261	268	290	291	280	247	226	203	199	166
171	187	204	228	240	252	251	245	225	182	168	150	131

Height of 36"/90CM PAR Distribution

164	174	185	186	188	188	193	187	184	180	176	170	168	144
177	194	207	214	220	223	220	216	212	205	196	186	186	160
194	215	228	239	244	245	242	239	231	220	211	198	173	
192	228	244	256	264	266	262	259	247	236	222	205	177	
200	236	253	266	276	281	280	274	263	247	230	210	181	
205	236	258	274	285	290	289	282	271	255	234	212	183	
201	235	258	277	289	295	294	285	272	255	235	215	185	
196	233	255	272	284	290	288	281	269	250	233	214	181	
193	229	245	260	272	278	277	270	259	243	229	209	177	
185	220	236	248	255	259	257	251	243	230	215	198	176	
175	201	216	226	236	234	235	231	223	209	197	186	171	
158	177	191	200	217	212	210	208	202	195	194	171	149	
154	166	180	189	179	200	198	196	186	180	168	153	143	

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

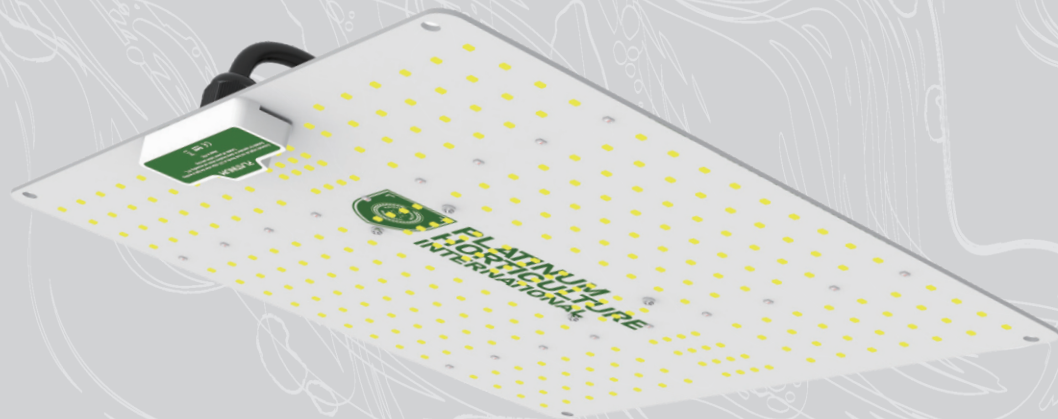
LED and heat sink surfaces may be hot. Allow sufficient cooling time before handling.

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



240W | Quantum
Board

