



LED GROWING LIGHT

640W/660W/720W/960W

LED Growing light is a high-performance top-lighting solution for commercial horticulture cultivation. Designed for growers to push the envelope with high-PPFD cultivation practices. Not intended for beginner growers or grows without CO₂ supplementation.

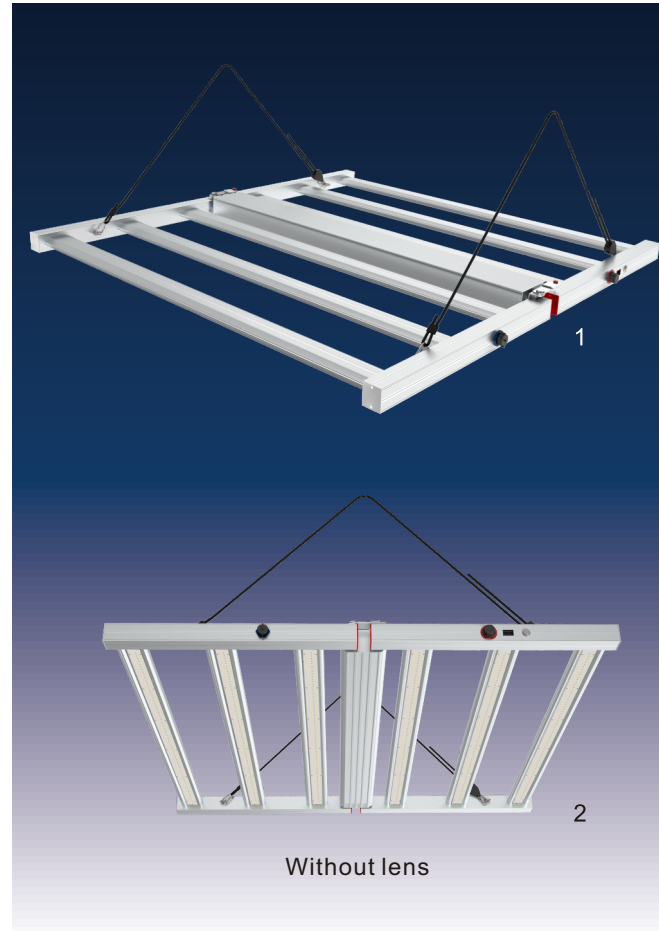
UFO LIGHTING INC

640W



SPECIFICATIONS

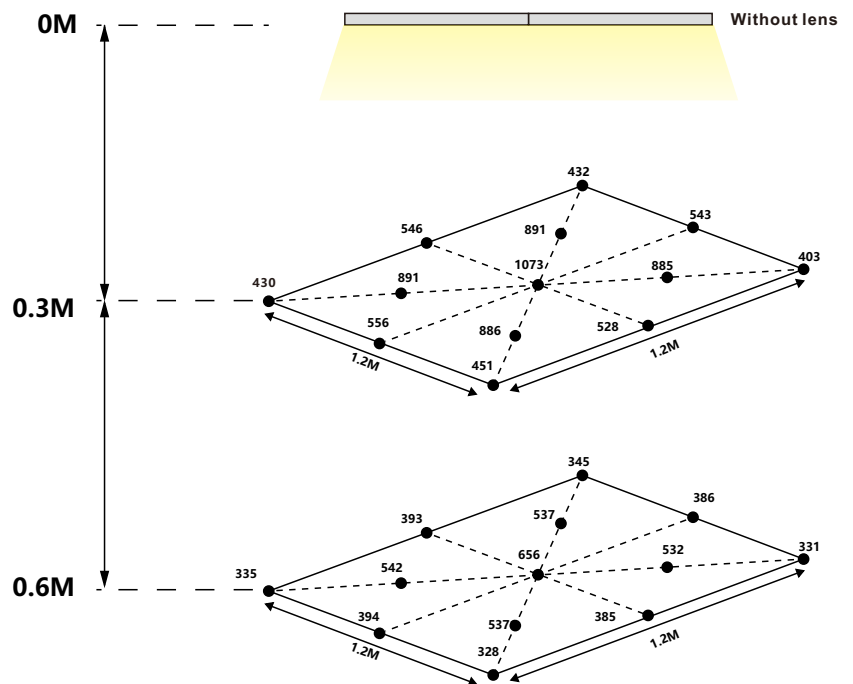
Model	HG-GPL-640WL2D1-S2SL
Light Source	LED
Spectrum	Full Spectrum
Light Output PPF	1660 $\mu\text{mol/s}$
Sytem Efficacy	2.6 $\mu\text{mol/J}$ ($\pm 5\%$)
Rated Power	640W
Rated Voltage	AC120-277V, 50/60Hz
Beam Angle	120°
Mounting Height	30cm@growing 60cm@flowering
Max. Ambient Temperature	90°F / 32°C
Dimming	0-10 V
Total Harmonic Distortion (THD)	< 10%
Lifetime	Q90>54,000hrs
IP Rating/Application	IP54/Damp Location
Qualification	ETL(UL 8800)/DLC/FCC Part15
Warranty	5 Years
N.W.	12.6KGS/27.8LBS
G.W.	14.6KGS/32.2LBS
Packing Dimension	1220*161*645mm / 48*6.34*25.4inch



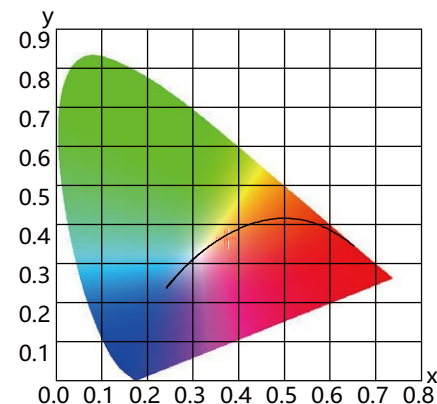
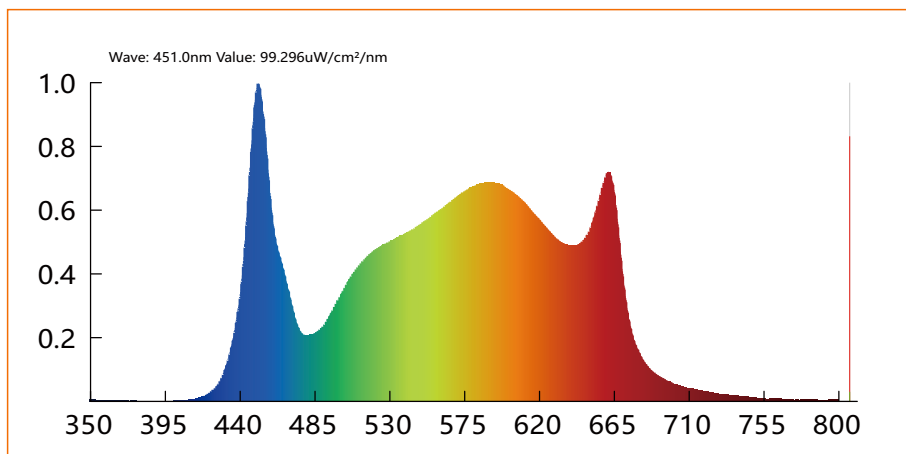
PPFD

640W PPFD Distribution Value($\mu\text{mol/m}^2/\text{s}$) @0.3m Testing height Coverage Area: 1.2m*1.2m									
2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft	
2ft	430	483	499	540	546	538	496	465	432
1.5ft	431	453	763	822	830	820	758	645	420
1ft	508	768	897	968	978	966	891	758	496
0.5ft	550	830	972	1050	1081	1047	965	820	537
0ft	556	830	982	1061	1073	1059	976	820	543
0.5ft	547	826	967	1044	1042	1042	960	816	534
1ft	501	758	886	957	967	954	880	749	489
1.5ft	462	640	758	808	815	804	743	632	412
2ft	451	467	484	522	528	521	480	407	403
2ft	451	467	484	522	528	521	480	407	403

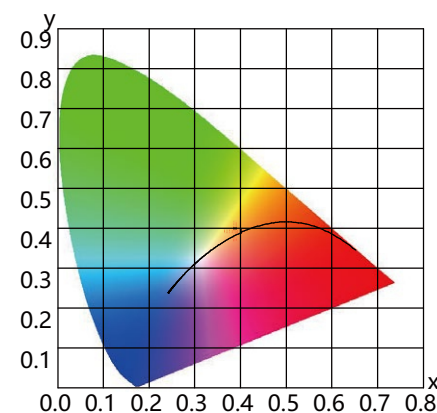
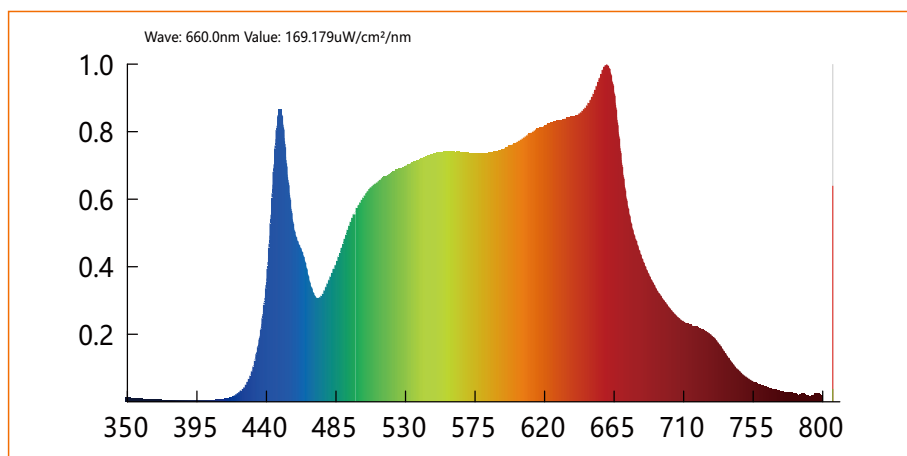
640W PPFD Distribution Value($\mu\text{mol/m}^2/\text{s}$) @0.6m Testing height Coverage Area: 1.2m*1.2m									
2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft	
2ft	335	345	339	388	393	387	356	351	345
1.5ft	342	350	401	403	500	490	451	390	348
1ft	360	462	542	587	595	585	537	455	352
0.5ft	389	500	588	637	646	635	583	493	381
0ft	394	503	596	647	656	645	592	501	386
0.5ft	387	498	585	635	644	633	581	491	379
1ft	356	457	537	582	590	580	532	451	349
1.5ft	345	388	454	492	499	490	451	383	346
2ft	328	332	352	380	385	378	349	298	351
2ft	328	332	352	380	385	378	349	298	351



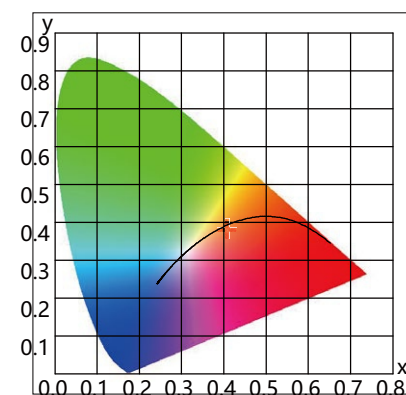
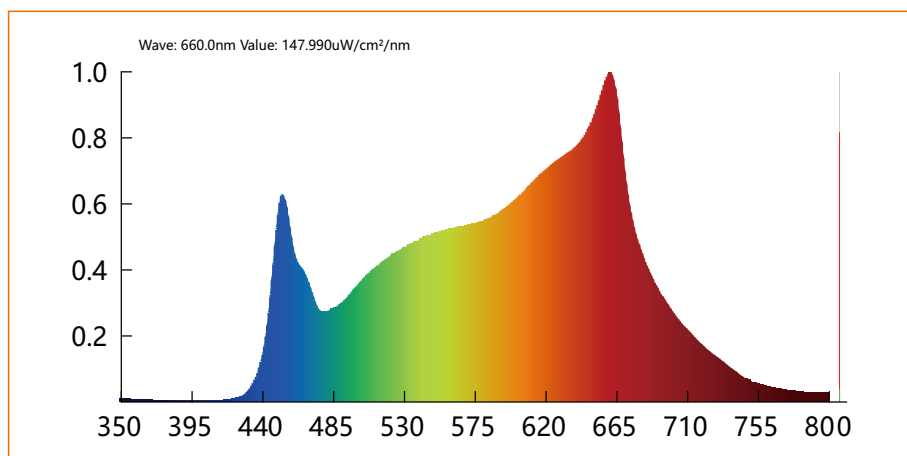
A-SPECTRA



B-SPECTRA

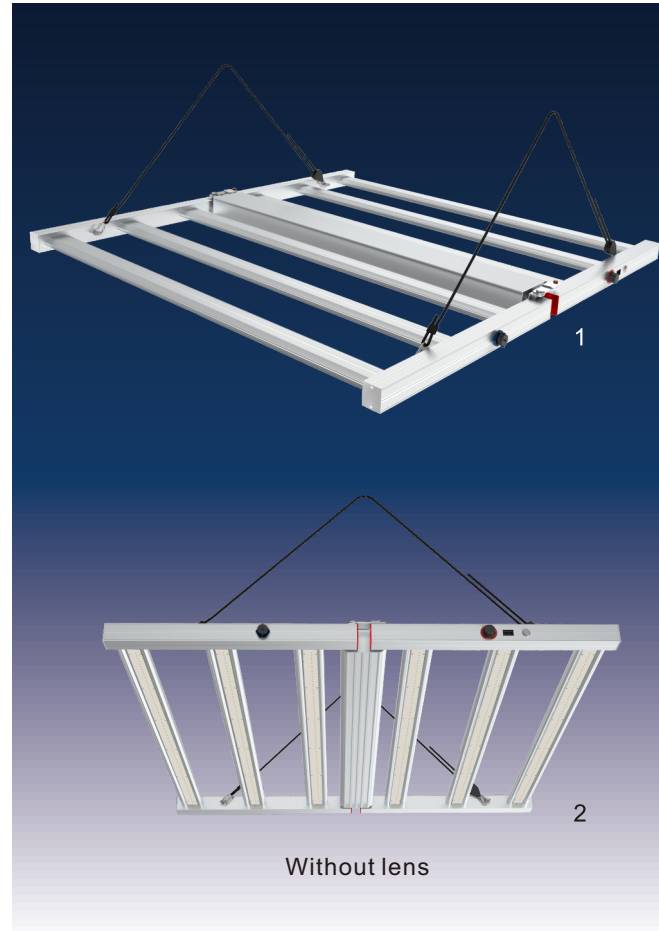


C-SPECTRA



SPECIFICATIONS

Model	HG-GPL-660WL1D1-S2SL
Light Source	LED
Spectrum	Full Spectrum
Light Output PPF	1848 $\mu\text{mol/s}$
Sytem Efficacy	2.8 $\mu\text{mol/J}$ ($\pm 5\%$)
Rated Power	660W
Rated Voltage	AC120-277V, 50/60Hz
Beam Angle	120°
Mounting Height	30cm@growing 60cm@flowering
Max. Ambient Temperature	90°F / 32°C
Dimming	0-10 V
Total Harmonic Distortion (THD)	< 10%
Lifetime	Q90>54,000hrs
IP Rating/Application	IP54/Damp Location
Qualification	ETL(UL 8800)/DLC/FCC Part15
Warranty	5 Years
N.W.	15.4KGS/34LBS
G.W.	17.4KGS/38.4LBS
Packing Dimension	1220*161*645mm / 48*6.34*25.4inch



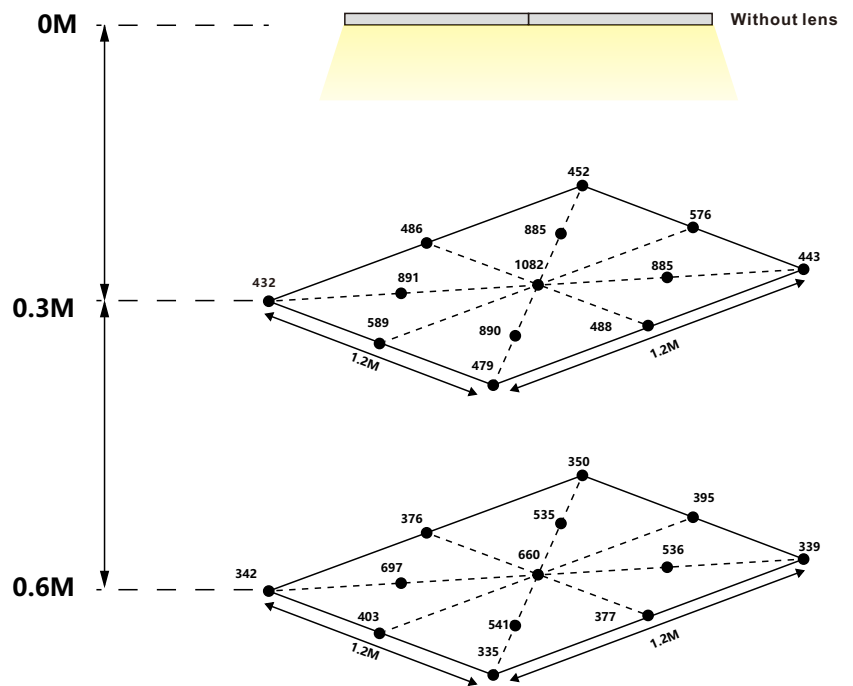
PPFD

660W PPFD Distribution Value($\mu\text{mol/m}^2/\text{s}$) @0.3m
Testing height
Coverage Area: 1.2m*1.2m

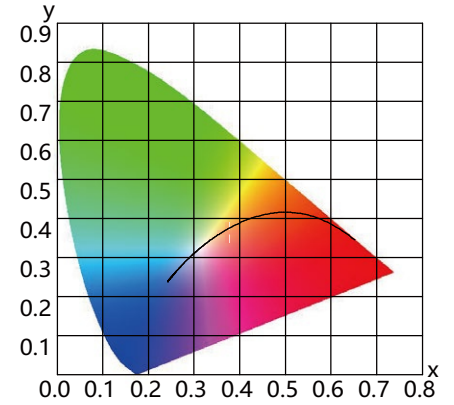
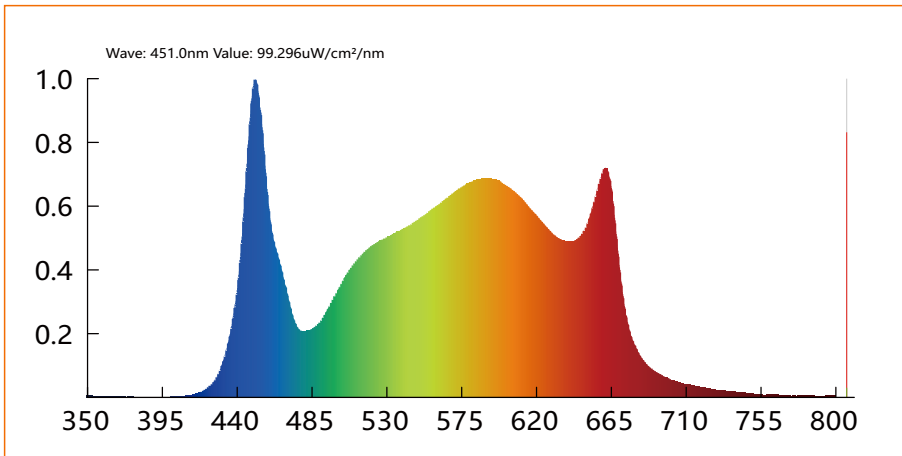
	2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft
2ft	432	463	458	481	486	480	465	461	452
1.5ft	482	636	732	783	790	781	728	628	508
1ft	524	773	891	954	962	951	885	754	512
0.5ft	580	853	894	1055	1054	1052	978	843	666
0ft	589	867	1001	1072	1082	1070	995	857	576
0.5ft	579	852	983	1054	1063	1051	977	843	566
1ft	524	772	890	953	962	951	885	754	513
1.5ft	521	636	733	784	791	782	729	629	439
2ft	479	463	475	483	488	482	447	445	443

660W PPFD Distribution Value($\mu\text{mol/m}^2/\text{s}$) @0.6m
Testing height
Coverage Area: 1.2m*1.2m

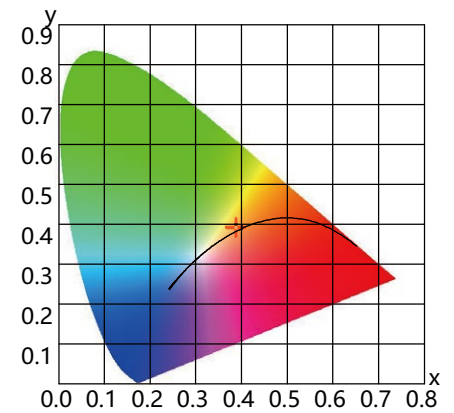
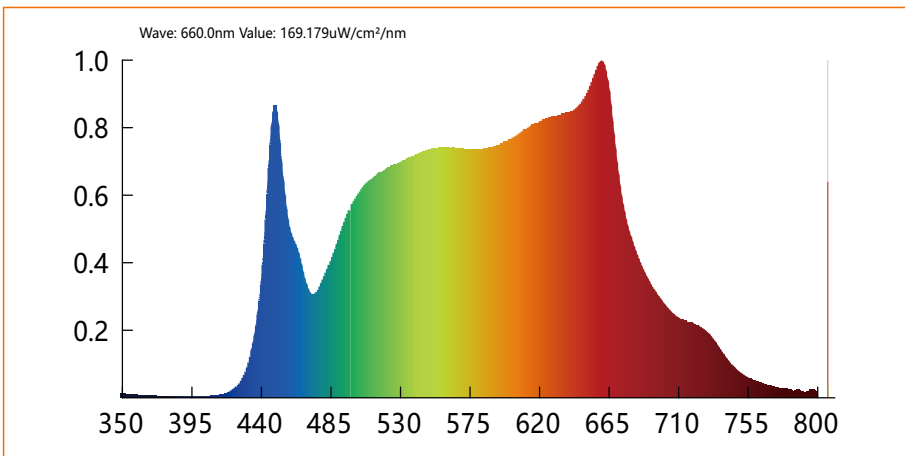
	2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft
2ft	342	359	363	371	376	370	363	358	350
1.5ft	307	388	452	487	493	485	448	383	354
1ft	363	463	540	583	591	581	535	456	355
0.5ft	396	507	592	640	648	638	587	500	388
0ft	403	514	603	652	660	649	598	509	395
0.5ft	396	507	592	640	649	638	588	500	388
1ft	363	464	541	584	592	582	536	457	361
1.5ft	308	390	453	485	495	487	443	354	356
2ft	335	343	346	373	377	371	343	341	339



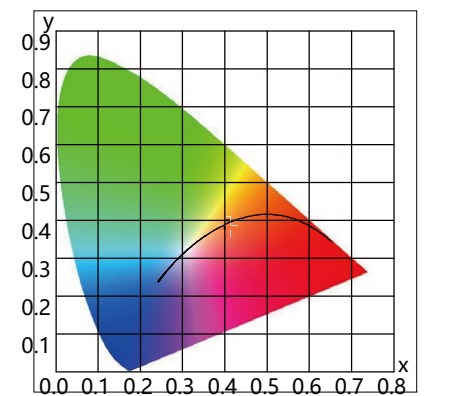
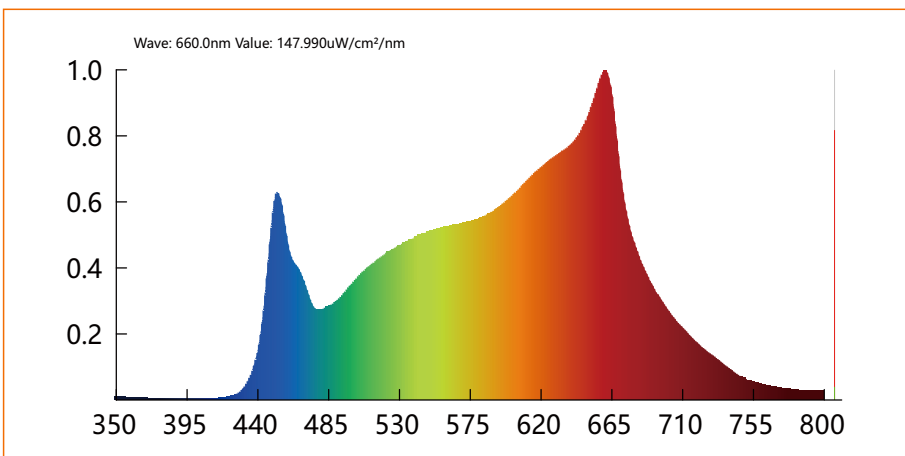
A-SPECTRA



B-SPECTRA

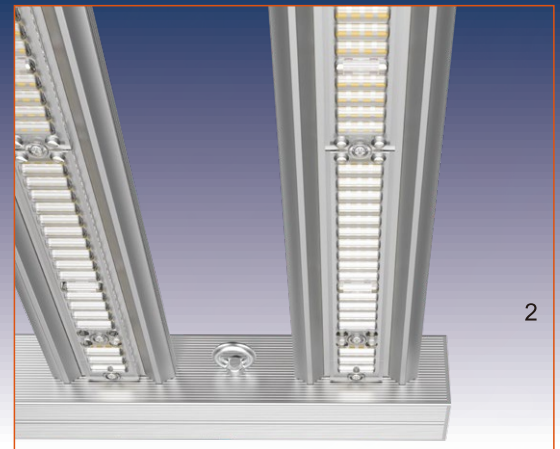
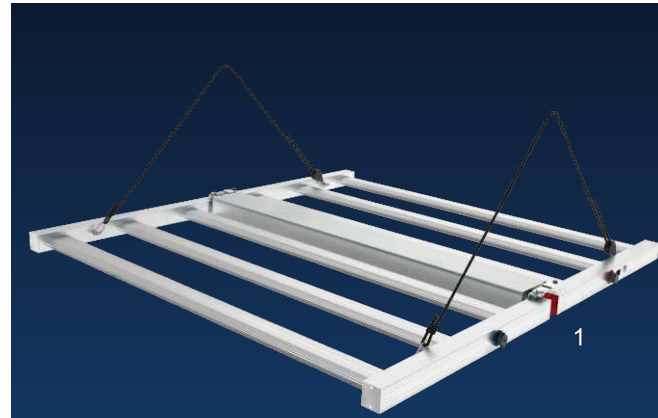


C-SPECTRA



SPECIFICATIONS

Model	HG-GPL-720WL1D1-S2SL
Light Source	LED
Spectrum	Full Spectrum
Light Output PPF	2016 $\mu\text{mol/s}$
Sytem Efficacy	2.8 $\mu\text{mol/J}$ ($\pm 5\%$)
Rated Power	720W
Rated Voltage	AC120-277V, 50/60Hz
Beam Angle	120°
Mounting Height	30cm@growing 60cm@flowering
Max. Ambient Temperature	90°F / 32°C
Dimming	0-10 V
Total Harmonic Distortion (THD)	< 10%
Lifetime	Q90>54,000hrs
IP Rating/Application	IP54/Damp Location
Qualification	ETL(UL 8800)/DLC/FCC Part15
Warranty	5 Years
N.W.	16.2KGS/35.6LBS
G.W.	18.2KGS/40.1LBS
Packing Dimension	1220*161*645mm / 48*6.34*25.4inch

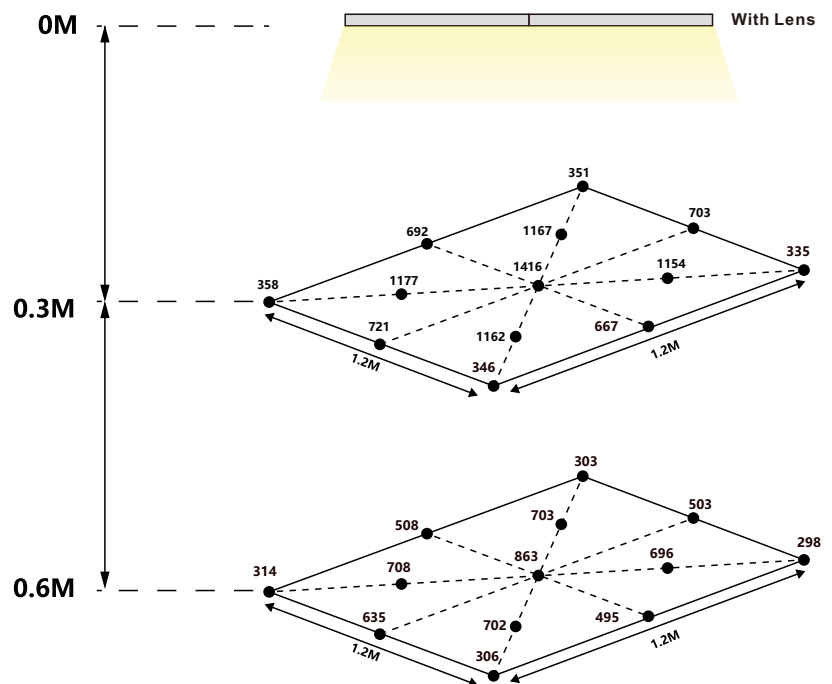


With lens

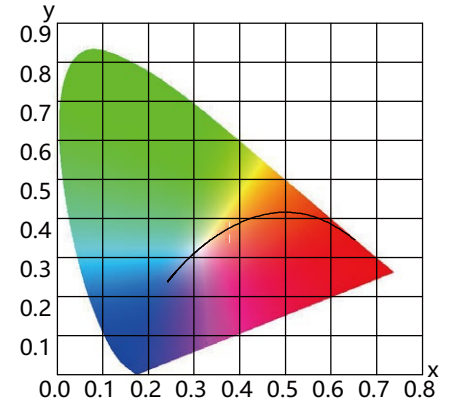
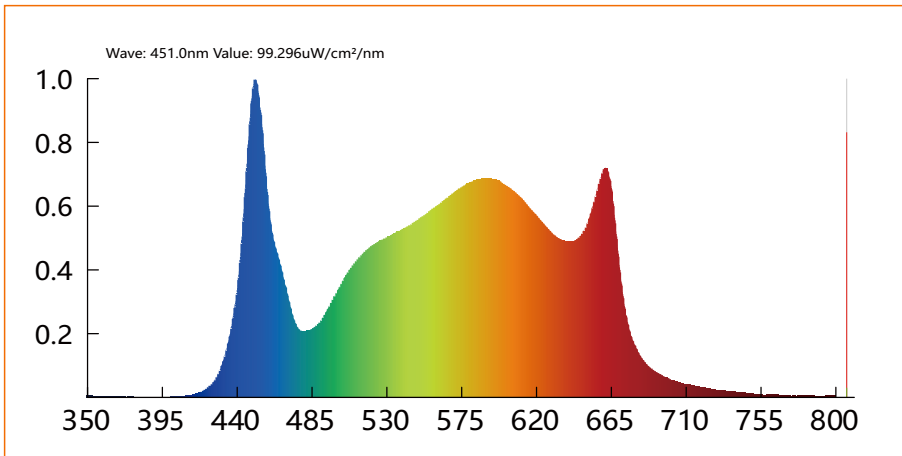
PPFD

720W PPFD Distribution Value($\mu\text{mol/s/m}^2$) @0.3m testing height Coverage Area:1.2m*1.2m										
	2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft	
2ft	358	536	831	885	652	883	628	530	351	2ft
1.5ft	549	843	989	1088	1079	1086	983	833	538	1.5ft
1ft	855	1002	1177	1273	1287	1270	1187	990	840	1ft
0.5ft	713	1030	1283	1385	1433	1384	1273	1077	695	0.5ft
0ft	721	1102	1396	1422	1418	1390	1338	1288	703	0ft
0.5ft	710	1085	1276	1381	1395	1377	1287	1072	692	0.5ft
1ft	648	990	1182	1237	1271	1254	1154	989	630	1ft
1.5ft	538	825	989	1046	1037	1044	982	814	524	1.5ft
2ft	346	518	810	861	667	858	605	509	335	2ft

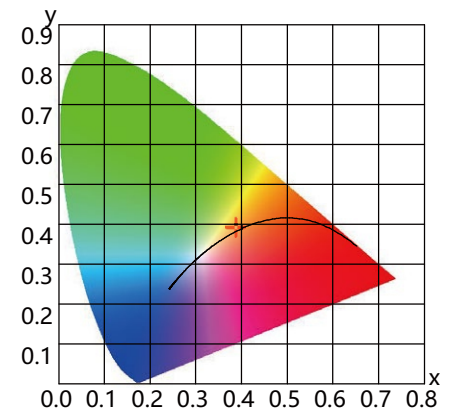
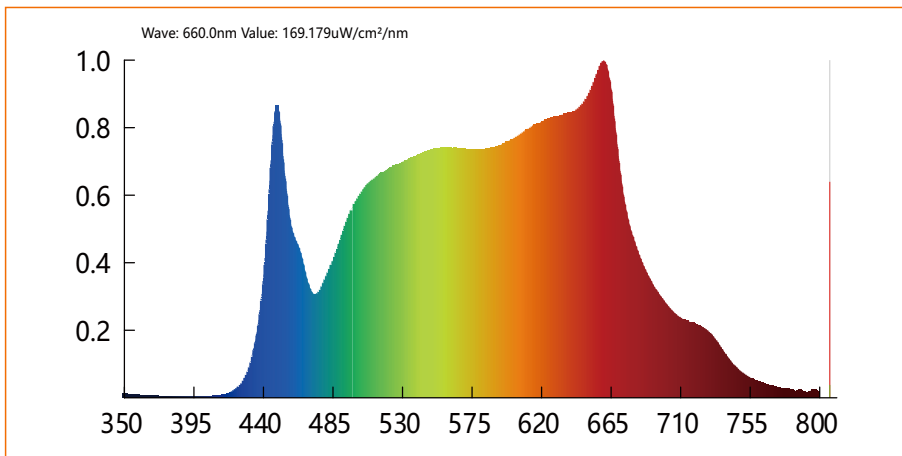
720W PPFD Distribution Value($\mu\text{mol/s/m}^2$) @0.6m testing height Coverage Area:1.2m*1.2m										
	2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft	
2ft	314	397	483	501	508	500	459	392	303	2ft
1.5ft	368	511	600	650	660	649	595	505	391	1.5ft
1ft	487	602	708	768	780	767	703	595	458	1ft
0.5ft	508	655	772	839	851	838	768	646	498	0.5ft
0ft	635	694	834	851	863	840	778	690	603	0ft
0.5ft	523	652	788	833	846	832	762	642	494	0.5ft
1ft	462	596	702	732	773	760	698	588	452	1ft
1.5ft	392	502	590	630	649	636	583	495	383	1.5ft
2ft	308	387	452	489	495	488	447	381	298	2ft



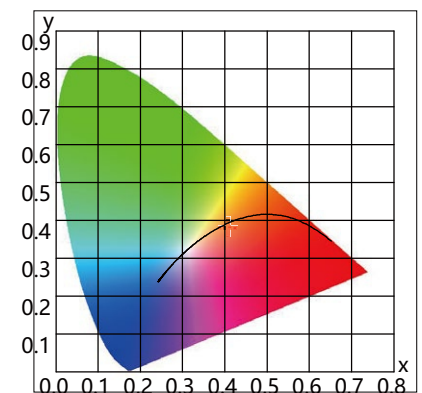
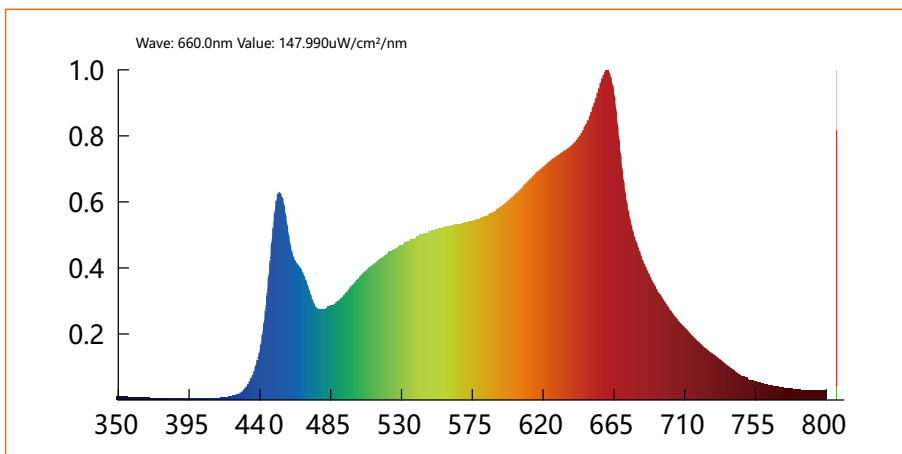
A-SPECTRA



B-SPECTRA

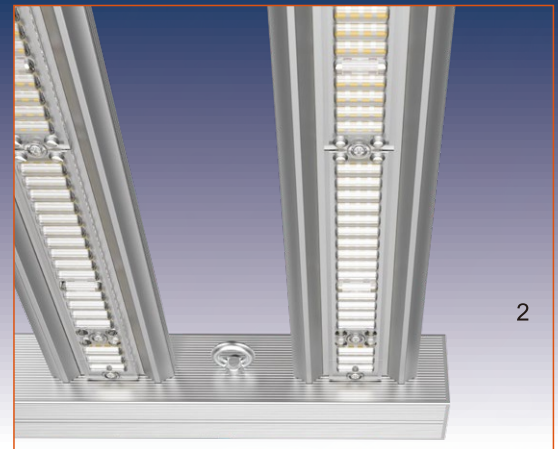
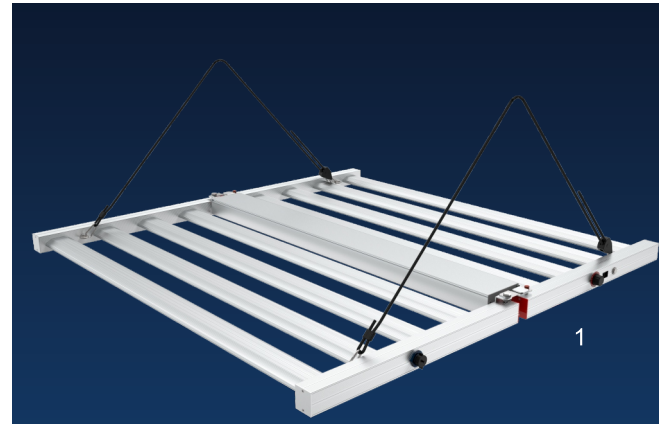


C-SPECTRA



SPECIFICATIONS

Model	HG-GPL-960WL1D1-M2SL
Light Source	LED
Spectrum	Full Spectrum
Light Output PPF	2688 $\mu\text{mol/s}$
Sytem Efficacy	2.8 $\mu\text{mol/J}$ ($\pm 5\%$)
Rated Power	960W
Rated Voltage	AC120-277V, 50/60Hz
Beam Angle	120°
Mounting Height	30cm@growing 60cm@flowering
Max. Ambient Temperature	90°F / 32°C
Dimming	0-10 V
Total Harmonic Distortion (THD)	< 10%
Lifetime	Q90>54,000hrs
IP Rating/Application	IP54/Damp Location
Qualification	ETL(UL 8800)/DLC/FCC Part15
Warranty	5 Years
N.W.	17.7KGS/39LBS
G.W.	19.7KGS/43.4LBS
Packing Dimension	1220*161*645mm/48*6.3*25.4inch

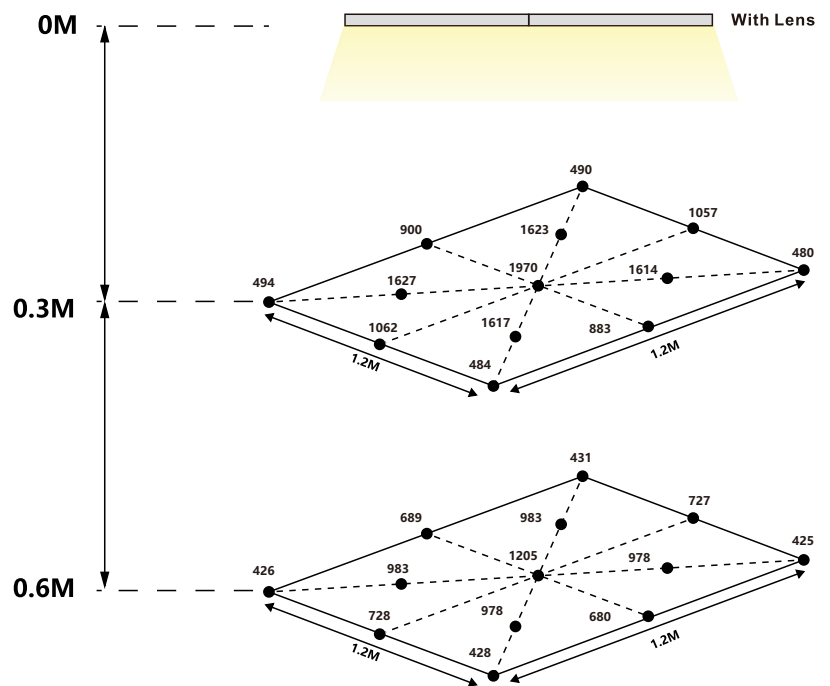


With lens

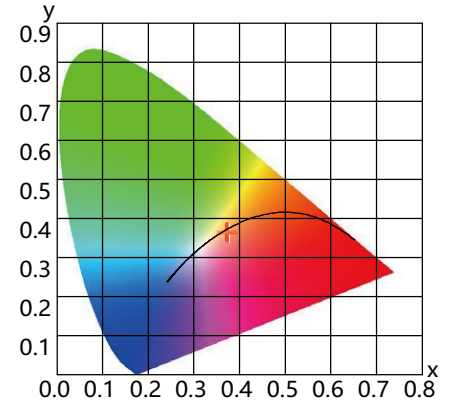
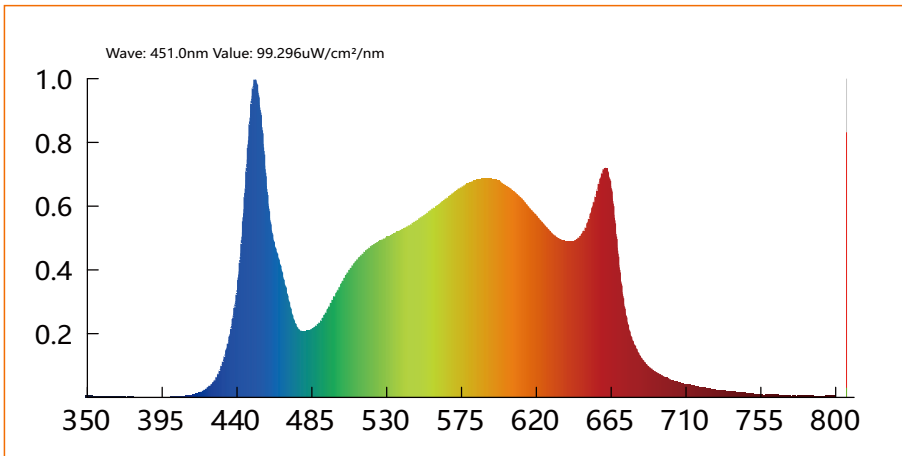
PPFD

960W PPFD Distribution Value($\mu\text{mol}/\text{m}^2/\text{s}$) @0.3m testing height Coverage Area:1.2m*1.2m										
	2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft	
2ft	494	713	829	890	900	889	823	711	490	2ft
1.5ft	785	1162	1343	1438	1453	1437	1339	1137	782	1.5ft
1ft	952	1409	1627	1744	1764	1743	1623	1405	947	1ft
0.5ft	1047	1549	1793	1922	1942	1920	1788	1544	1043	0.5ft
0ft	1052	1568	1817	1952	1970	1949	1814	1565	1057	0ft
0.5ft	1045	1546	1787	1919	1937	1916	1784	1542	1040	0.5ft
1ft	934	1400	1617	1734	1751	1732	1614	1386	940	1ft
1.5ft	777	1150	1329	1423	1437	1422	1326	1145	772	1.5ft
2ft	484	702	814	874	883	873	812	687	480	2ft

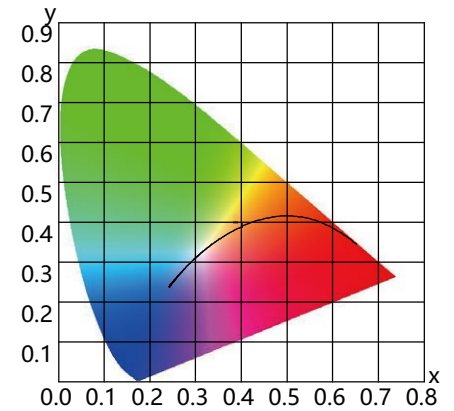
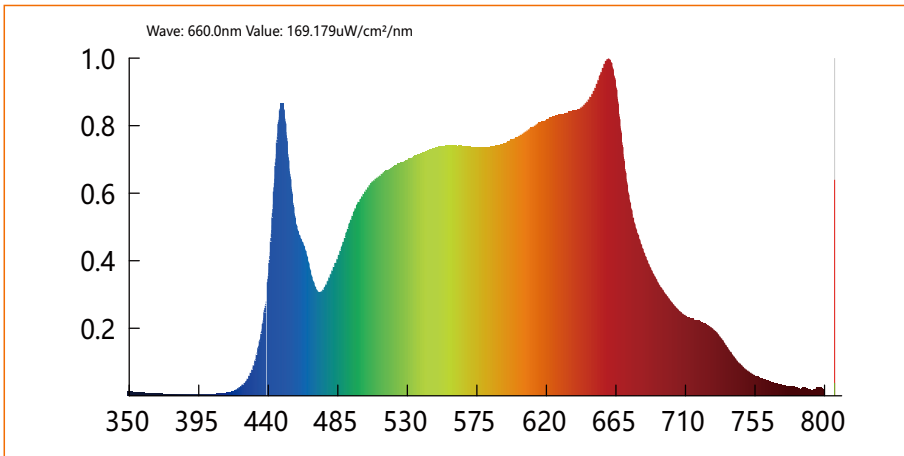
960W PPFD Distribution Value($\mu\text{mol}/\text{m}^2/\text{s}$) @0.6m testing height Coverage Area:1.2m*1.2m										
	2ft	1.5ft	1ft	0.5ft	0ft	0.5ft	1ft	1.5ft	2ft	
2ft	426	544	629	679	689	679	629	542	431	2ft
1.5ft	556	707	824	891	905	891	823	706	555	1.5ft
1ft	657	841	983	1065	1080	1065	983	840	656	1ft
0.5ft	717	919	1077	1166	1184	1166	1077	918	716	0.5ft
0ft	728	936	1095	1187	1205	1187	1095	935	727	0ft
0.5ft	714	917	1074	1163	1182	1163	1074	917	713	0.5ft
1ft	653	836	978	1060	1076	1058	978	835	652	1ft
1.5ft	551	701	817	906	896	883	817	700	550	1.5ft
2ft	428	536	622	672	680	671	622	535	425	2ft



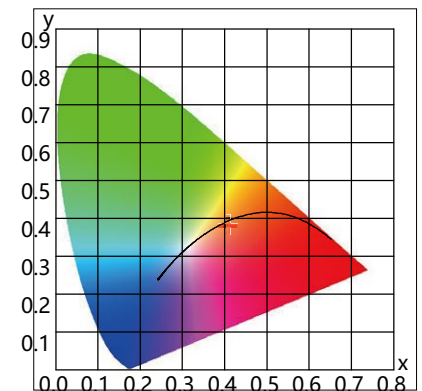
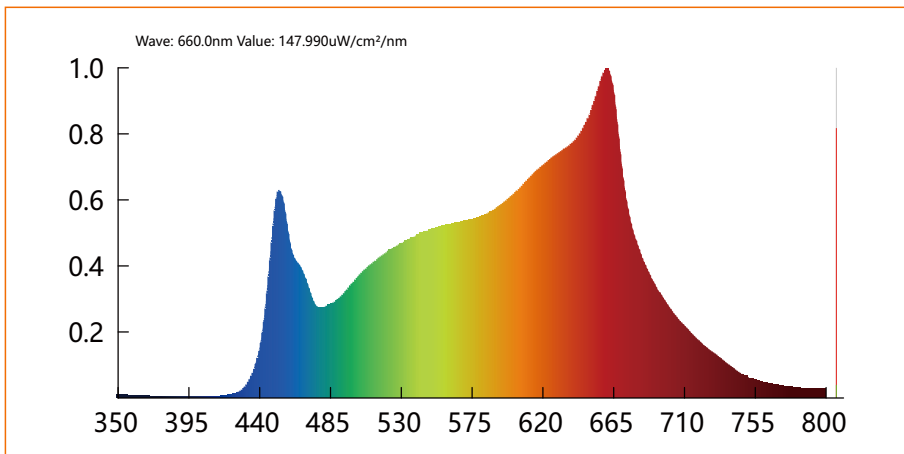
A-SPECTRA



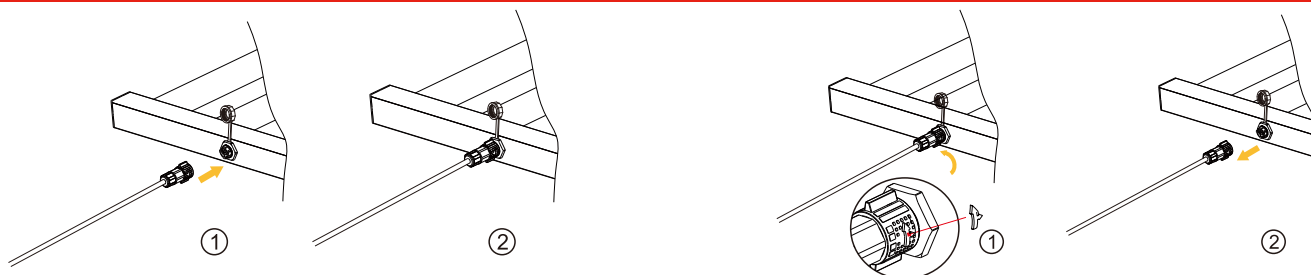
B-SPECTRA



C-SPECTRA



WIRING DIAGRAM



AC plug connection method:

1. The AC plug end is directly inserted into the bottom end corresponding to the clamping slot.
2. After release, the plug locks itself and the insertion mode is ok.
3. Power on, light up normally

AC plug pulling method

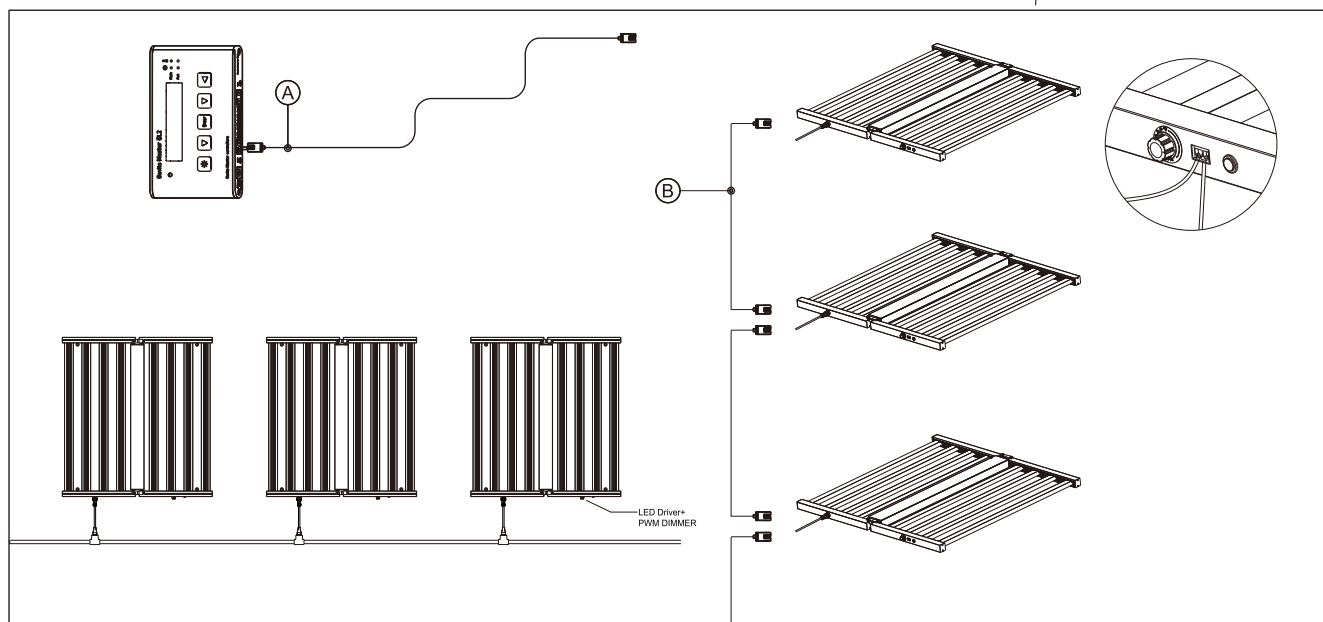
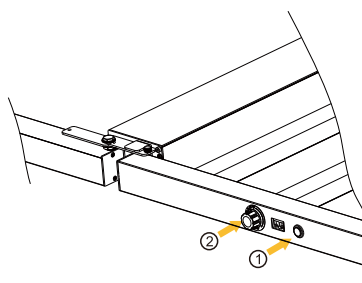
1. AC plug end indicates the direction of the arrow, rotate to the left.
2. Pull it out in the direction shown in figure 2.

Dimming function

1. First, press the start button as shown in Figure 1.
2. Rotate the knob as shown in Figure 2 to achieve the 0-10V dimming function.

Invalid dimming function

1. First, pop up the start button in figure 1.
2. The dimming function is invalid.



PACKAGE

