

*Luxgrow*



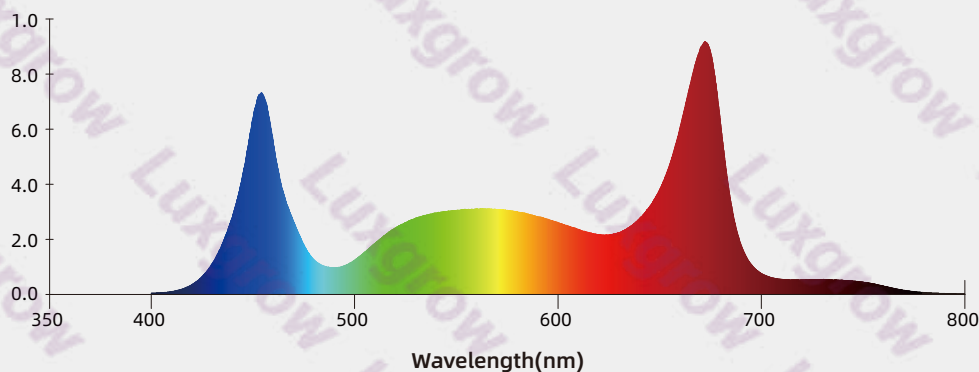
## LPG SERIES

### Commercial Cannabis Led Lighting Solution

LPG model is a full spectrum top light for indoor farms and greenhouse cultivation ; Correct Spetrum will help cannabis and plants grow with high yield ,also used for 1:1HPS replacement.



# SP5

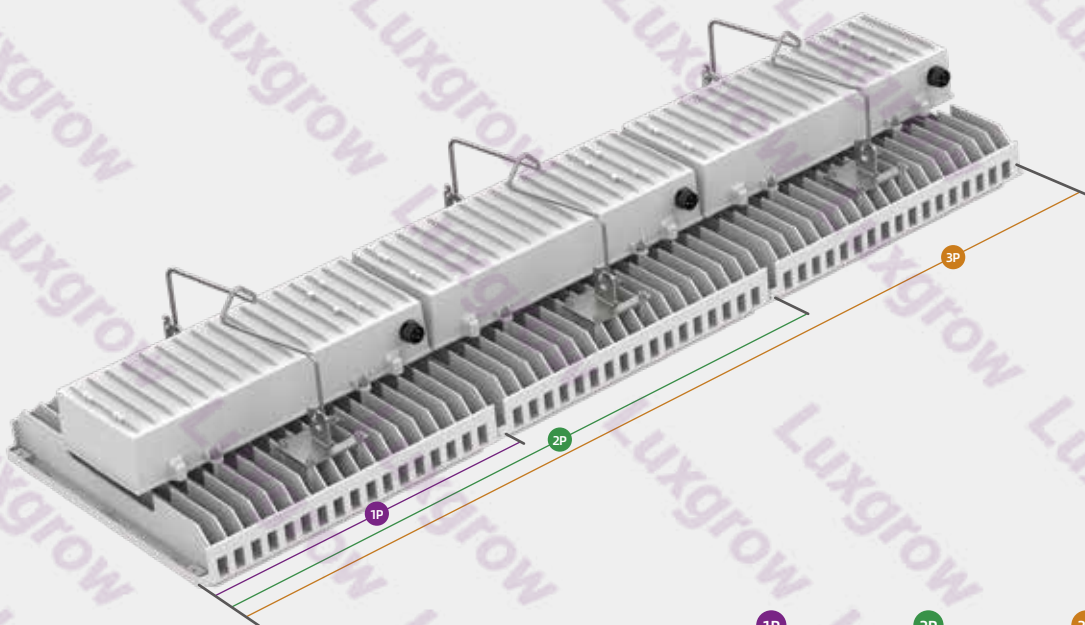
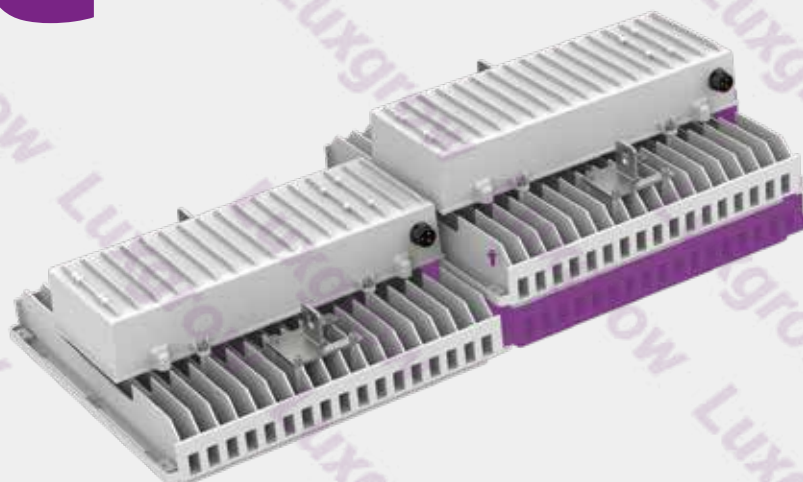


Model	LPG8S-OSL	LPG12S-OSL
Input Waatage	800W	1200W
PPF (Light output)	1840μmol/s	2760μmol/s
PAR Efficacy	2.3±3% μmol/J	
Input Voltage	AC100-277V 50/60Hz	AC200-277V 50/60Hz
Current	8.0A	6.0A
Driver Brand	Sosen	
Light Source	Seoul / OSRAM LEDs	
Dimming	0-10V / PWM	
Power Factor	>0.95	
Material	ADC12 + PC lens	
Thermal Management	Passive Cooling	
Mounting Height	≥ 24" (60cm) Above Plant Canopy	
Warranty Lifetime	5 year   Q90>36,000hrs	
Certification	The DLC / UL8800 / ETL / CE / RoHS Standards	
IP Rating	UL 1598, UL8800 - Wet Location, CE-IP65 rated	
Ambient Temperature	14 ~ 104 °F (-15 ~ 45 °C)	



# LPG

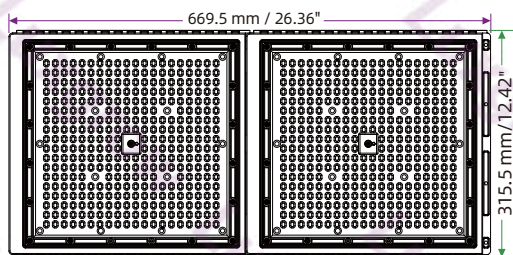
SERIES



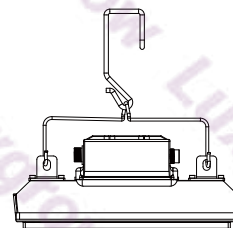
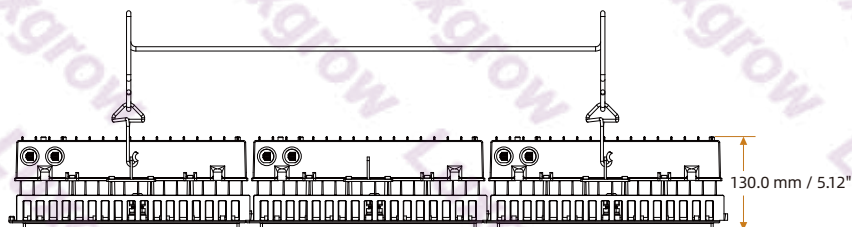
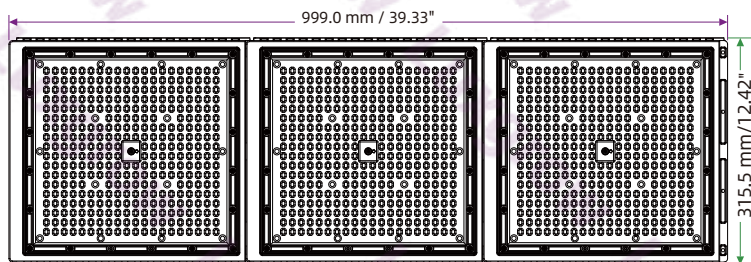
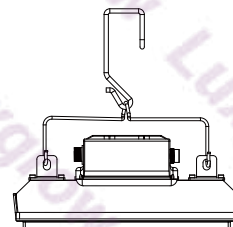
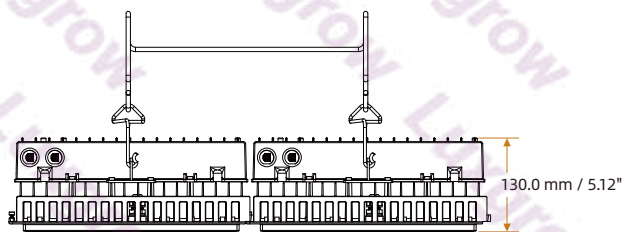
1P  
400W

2P  
800W

3P  
1200W



- Length
- Width
- Height



LPG4S-OSL 400W PPFD MAP

PPFD Value at 24" (60cm)

5x5FT

134	184	264	332	390	390	329	256	193	133
156	235	347	490	595	603	515	356	242	162
197	310	460	701	804	831	676	481	312	202
222	349	546	763	980	982	814	575	355	233
220	346	551	802	990	1004	792	551	353	228
193	302	459	641	810	786	653	445	317	195
142	219	318	464	571	557	453	364	248	177
110	173	213	295	351	382	314	267	180	125
77	109	151	185	221	231	215	171	126	89
55	69	90	110	124	137	216	125	76	62

PPFD Value at 36" (90cm)

5x5FT

162	190	243	266	286	290	273	220	186	148
180	219	277	325	357	349	326	271	234	173
200	255	307	371	416	408	374	271	264	202
211	272	341	408	450	443	406	313	272	214
212	275	344	412	449	447	402	341	266	212
203	270	314	383	419	397	366	344	248	193
180	220	275	327	351	347	307	319	205	174
152	183	219	250	280	294	252	257	171	134
118	141	168	196	210	203	163	211	139	114
91	116	130	145	156	160	135	130	110	90

LPG8S-OSL 800W PPFD MAP

PPFD Value at 24" (60cm)

5x5FT

301	410	601	791	913	913	784	597	408	277
330	489	746	1032	1198	1212	1033	785	513	365
376	582	875	1259	1486	1536	1209	944	643	413
421	608	964	1364	1685	1727	1439	1029	688	448
388	583	941	1363	1645	1716	1447	1034	683	426
314	520	740	1201	1416	1514	1215	900	574	371
261	388	652	911	1097	1120	937	712	465	322
206	301	478	580	722	775	633	479	351	244
152	209	305	379	456	466	412	342	242	178
102	133	186	225	263	263	251	207	149	129

PPFD Value at 36" (90cm)

5x5FT

313	385	474	541	590	601	566	467	378	311
360	451	552	625	679	696	659	559	447	365
398	481	584	726	786	779	729	622	498	388
410	497	621	745	819	825	766	642	517	401
401	504	621	734	803	814	761	637	511	389
375	481	572	686	737	745	685	579	469	369
330	405	481	588	639	621	596	515	421	328
287	346	409	491	521	523	482	417	353	281
225	260	290	380	377	395	377	334	286	229
171	201	239	275	290	315	287	258	217	185



LPG12S-OSL 1200W PPFD MAP

PPFD Value at 24" (60cm)

5x5FT

405	561	817	1166	1390	1384	1180	892	610	404
408	717	1077	1519	1820	1786	1487	1081	719	476
543	799	1237	1669	2069	2097	1704	1271	791	545
569	849	1290	1831	2227	2223	1850	1327	851	573
570	830	1274	1832	2237	2235	1831	1279	844	559
512	754	1235	1726	2083	2095	1751	1204	807	532
441	672	1062	1465	1856	1729	1477	1071	670	467
368	557	858	1211	1347	1340	1145	800	559	387
286	415	586	814	960	905	814	611	420	294
219	302	412	522	602	603	502	397	291	216

PPFD Value at 36" (90cm)

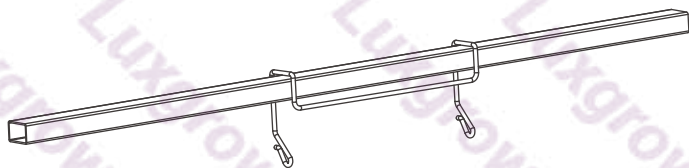
5x5FT

488	575	688	821	928	912	813	694	576	436
520	636	795	931	1039	1037	930	764	643	491
546	688	843	1016	1119	1117	1027	855	681	521
575	721	894	1082	1185	1179	1072	904	700	541
562	720	900	1085	1184	1173	1063	902	688	539
541	690	846	1015	1106	1098	1000	833	663	515
478	613	738	917	992	982	898	753	609	476
421	540	657	755	814	854	755	646	535	415
362	426	537	630	684	676	605	518	435	347
283	365	439	491	506	527	480	404	350	274

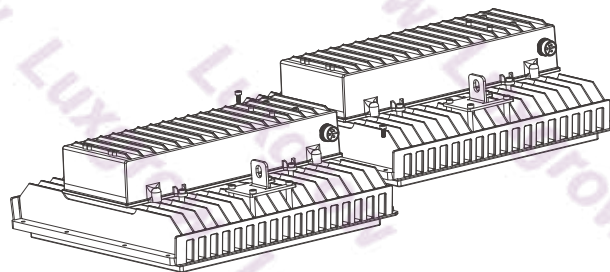
Theoretical Coverage For Reference

Coverage/ Wattage	400w	800w	1200w
PPF	1004 $\mu\text{mol/s}$	1645 $\mu\text{mol/s}$	2237 $\mu\text{mol/s}$
Coverage under 24" height (ppfd:800)	1.25 m2	2.05 m2	2.79 m2
Coverage under 24" height with CO2 (ppfd :1300)	0.77 m2	1.26 m2	1.72 m2

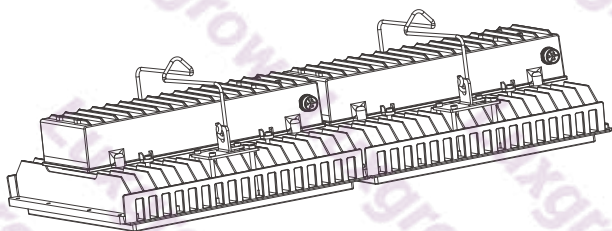
- 01 Open the package and take out the LED grow light and place it on the table, hang up the pothook on the ceiling.



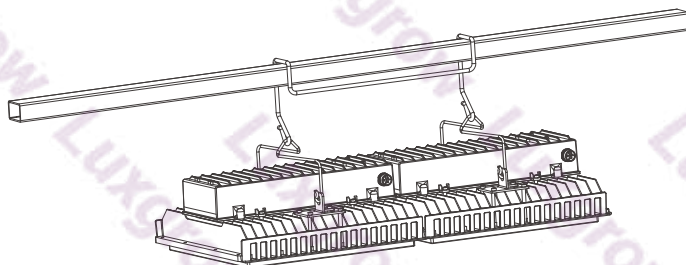
- 02 Find out the fixture four holes and put the fixture into the hook and keep the fixture balance.



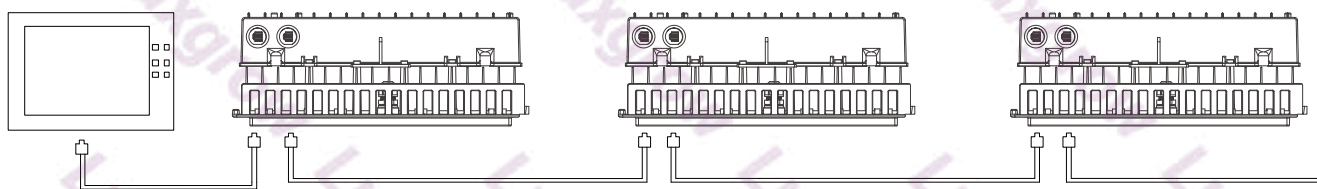
- 03 Pls find out the RJ14 signal connectoer at the le side and link with the waterproof connectors together.



- 04 Plug into the power and turn on the fixture. pls start Use the knob to control the fixture.



## WIRED CONTROLLER INSTALLAON

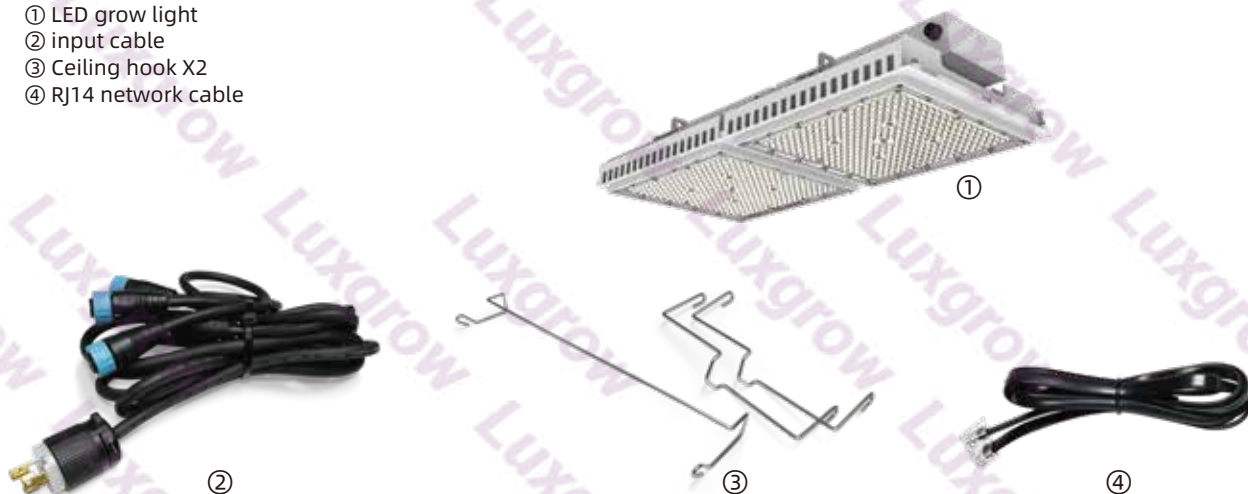


Mulple RJ14 Interconnect Cables one by one ( 80 modules maximum) ;  
Plug one RJ14 Port into the controllers;  
Control the fixtures by wired controllers

## PACKAGING INFORMATION

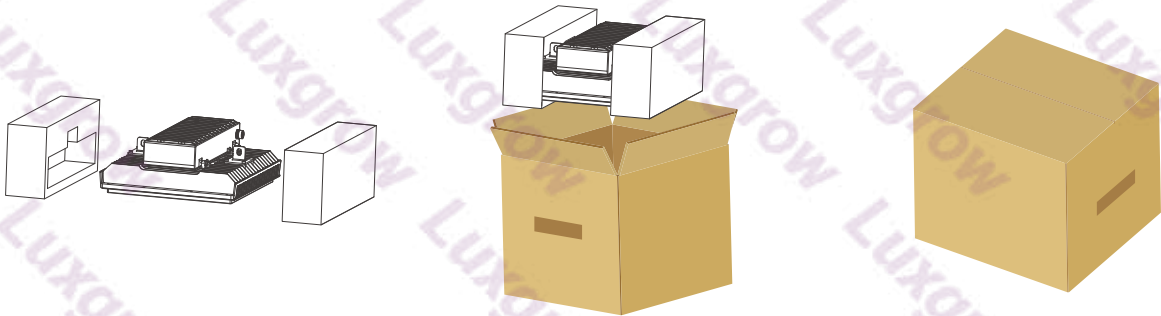
### Default Accessories List

- ① LED grow light
- ② input cable
- ③ Ceiling hook X2
- ④ RJ14 network cable

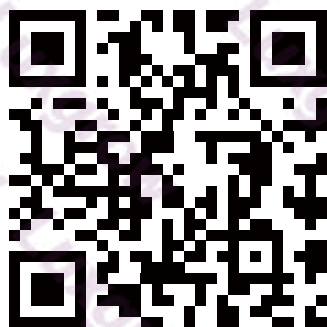




Model	Carton Size	G.W / Carton	Qty / Carton
LPG8S-OSL	LPG8 L395×W365×H335mm 34.05" × 14.37" × 6.49"	13.4kg/29.54lbs	1 PCS
LPG12S-OSL	LPG12 L1060×W395×H175mm 45.86" × 15.15" × 12.59"	17.6kg/ 38.8lbs	1 PCS



Model	LPG8S-OSL	LPG12S-OSL
20GP	504set	336set
40GP	1080set	720set
40HQ	1260set	840set



# Luxgrow

*Supply Better Energy, Light For Smart Growth.*

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