

GROW LIGHT

PQ-GWSY

- Discover the best light for indoor plants. Ideal for commercial plants cultivation, this top light provides optimal lighting for indoor plant growth.



GROW LIGHT				
MODEL	Power (W)	PAR Efficacy	Input Voltage (V)	Dimensions (Module group)
PQ-GWSY	240W	2.7±5% µmol/J	100-277V 347V	1
	480W			2
	640W			3
	720W			4
	960W			4
	1500W			6

CERTIFICATIONS



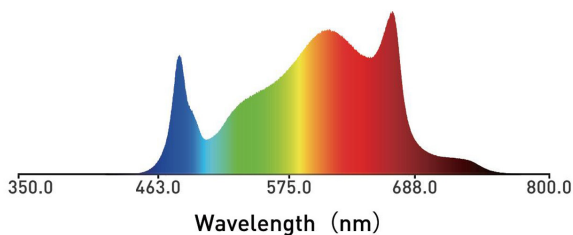
GROW LIGHT

PQ-GWSY

SPECIFICATIONS FOR 120V					
Model	PQ-GWSY				
Power (W)	240W	480W	720W	960W	1500W
PAR Efficacy	2.7 ±5% µmol/J				
PPF (Light output)	690 µmol/s	1300 µmol/s	2060 µmol/s	2750 µmol/s	4300 µmol/s
Input Voltage	100-277VAC				
Module (group)	1	2	3	4	6
Driver Brand	Sosen/ Fahold				
Light Source	Samsung + OSRAM				
Dimming	0-10V				
Power Factor	>0.9				
Material	6063 Aluminum				
Thermal Management	Passive Cooling				
Mounting Height	≥ 12" (30cm) Above Plant Canopy				
Warranty / Lifetime	5 year / Q90>36,000hrs				
Certification	The DLC / UL8800 / ETL				
IP Rating	UL 1598, UL8800-Damp Location, CE				
Ambient Temperature	14 to 113 °F (-10 to 45 °C)				

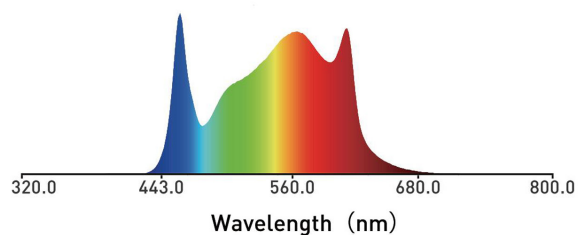
SP1

Absolute Spectrum



SP2

Absolute Spectrum



GROW LIGHT

PQ-GWSY

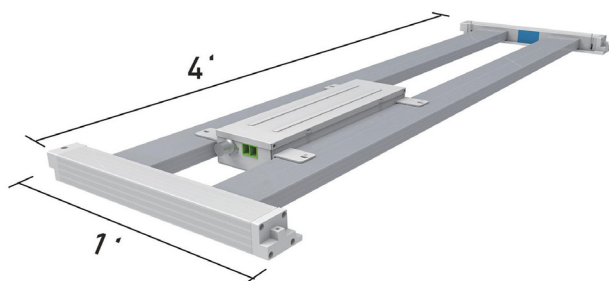
SPECIFICATIONS FOR 347V		
Model	PQ-GWSY	
Power (W)	640W	720W
PAR Efficacy	2.7 ±5% µmol/J	
PPF (Light output)	1728 µmol/s	2100 µmol/s
Input Voltage	347VAC	
Module (group)	3	3
Driver Brand	Sosen/ Fahold	
Light Source	Samsung + OSRAM	
Dimming	0-10V	
Power Factor	>0.9	
Material	6063 Aluminum	
Thermal Management	Passive Cooling	
Mounting Height	≥ 12" (30cm) Above Plant Canopy	
Warranty / Lifetime	5 year / Q90>36,000hrs	
Certification	The DLC / UL8800 / ETL	
IP Rating	UL 1598, UL8800-Damp Location, CE	
Ambient Temperature	14 to 113 °F (-10 to 45 °C)	

GROW LIGHT

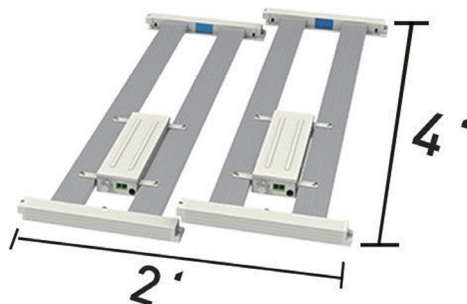
PQ-GWSY

DIMENSIONS

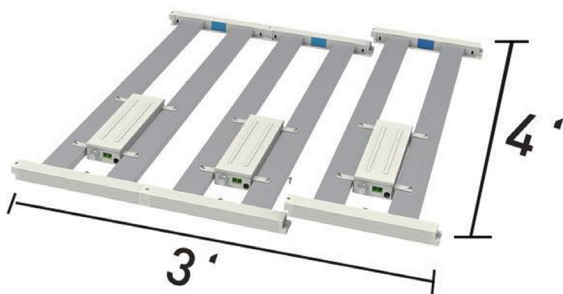
240W



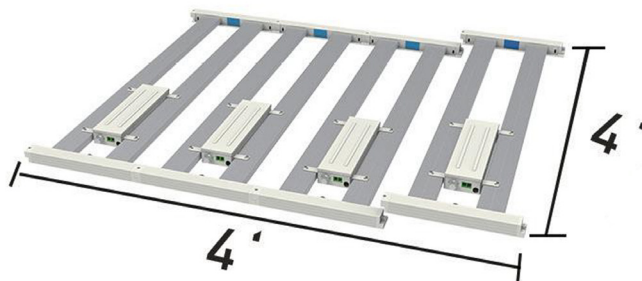
480W



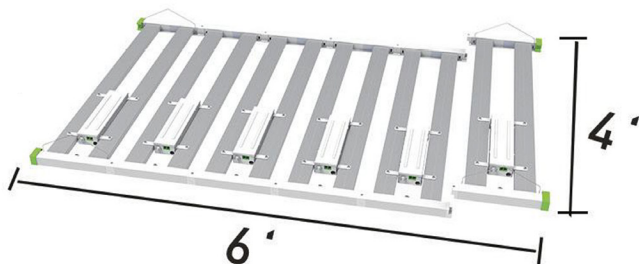
640W / 720W



960W



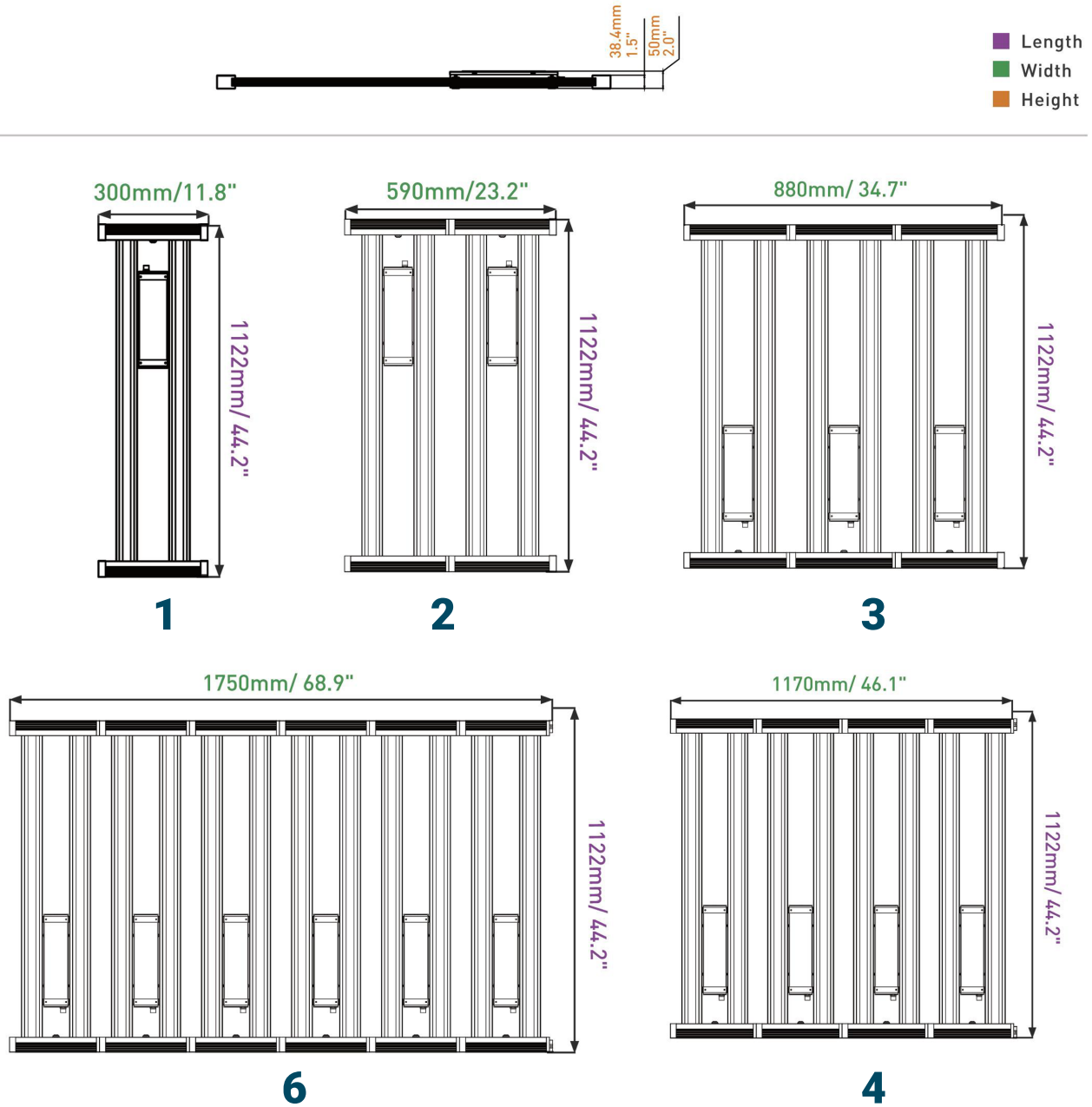
1500W



GROW LIGHT

PQ-GWSY

DIMENSIONS FOR MODULE (GROUP)



GROW LIGHT

PQ-GWSY

PPFD VALUE FOR 240W

PPFD Value at 12" (30cm)

5X5FT

53	92	177	325	342	252	140	73	47	34
72	130	299	568	674	462	216	95	51	35
94	177	406	798	956	650	295	125	64	38
95	197	435	855	1050	691	349	130	73	43
107	193	417	874	1025	686	325	135	67	39
99	184	405	811	959	630	261	118	64	38
84	161	397	735	880	570	228	107	58	36
72	132	282	597	717	437	179	87	51	34
59	100	171	347	418	271	120	65	40	30
42	74	102	151	226	164	91	63	41	33

PPFD Value at 24" (60cm)

5X5FT

102	130	179	230	262	259	236	177	137	127
119	157	219	284	329	332	282	198	159	134
130	180	256	332	396	394	333	245	180	145
144	188	279	371	436	425	351	250	181	146
145	186	281	366	448	439	349	251	171	151
134	176	267	358	429	418	335	228	168	146
118	162	243	335	379	370	300	208	149	140
105	145	206	271	314	307	245	192	138	125
89	122	164	207	231	219	192	160	118	118
68	74	125	159	186	171	146	139	114	115

PPFD Value at 36" (90cm)

5X5FT

130	156	184	205	205	212	202	180	160	153
146	172	200	224	239	235	228	197	174	164
149	179	214	240	257	257	242	209	187	168
142	178	218	247	266	270	253	214	180	165
141	174	216	251	270	270	250	209	175	169
141	169	207	243	258	258	233	202	166	157
133	161	196	228	243	235	214	188	168	146
122	146	174	200	211	207	192	170	157	146
103	125	143	161	176	170	163	151	149	125
70	91	112	132	130	149	141	142	136	114

PPFD Value at 48" (120cm)

5X5FT

137	154	161	169	164	167	166	160	153	152
148	161	170	176	180	180	176	169	164	161
148	161	173	179	186	187	182	175	166	165
136	156	172	180	188	188	185	176	162	156
133	153	169	179	187	188	182	174	157	154
129	146	160	173	181	180	176	167	151	147
128	140	152	161	171	169	167	161	146	141
121	134	142	150	153	157	153	149	146	144
90	117	121	131	137	141	134	135	135	129
80	100	108	117	115	126	130	135	133	112

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PPFD VALUE FOR 480W

PPFD Value at 12" (30cm)

5X5FT

97	172	280	373	500	481	305	209	113	79
141	242	505	780	870	976	601	311	167	98
173	326	708	1118	1379	1346	955	452	201	108
195	370	775	1224	1508	1460	1091	502	211	126
244	365	756	1232	1516	1452	1109	504	213	129
205	345	706	1173	1441	1374	956	478	183	127
192	323	661	1062	1320	1244	860	393	180	121
156	291	535	880	1105	1034	733	324	146	118
117	212	355	587	713	639	485	228	133	96
85	117	240	370	282	440	251	212	124	86

PPFD Value at 24" (60cm)

5X5FT

240	302	385	435	461	474	393	304	252	233
288	366	472	546	570	571	471	354	301	251
317	399	547	666	705	672	578	423	326	272
336	423	602	720	788	744	623	478	341	284
367	421	603	741	814	775	646	477	337	305
335	407	564	707	794	746	609	463	327	284
300	379	523	644	712	684	555	431	310	271
256	345	450	531	616	576	480	358	287	255
206	305	372	447	499	457	381	292	261	217
172	220	333	376	447	376	310	253	203	175

PPFD Value at 36" (90cm)

5X5FT

259	325	350	387	379	365	362	321	288	286
313	355	401	416	431	416	405	352	316	298
322	374	425	444	478	455	431	379	334	310
319	374	433	466	494	482	448	385	329	311
315	370	433	470	499	488	450	388	322	294
313	351	420	457	487	471	434	377	302	311
297	344	388	429	450	437	400	360	294	275
277	314	351	382	397	385	355	324	293	282
230	276	313	311	342	331	312	285	260	245
184	252	274	300	309	297	319	288	259	222

PPFD Value at 48" (120cm)

5X5FT

283	305	313	328	314	310	315	300	286	284
304	320	332	344	345	341	334	314	302	294
303	325	341	352	357	354	343	324	308	297
278	315	342	356	363	360	349	329	302	287
277	308	335	354	362	361	348	330	294	267
262	295	325	342	352	347	335	318	283	260
263	286	309	326	333	331	319	306	275	264
252	269	282	301	300	304	295	290	274	272
217	243	254	263	272	268	262	268	256	238
165	205	231	252	259	237	249	259	252	207

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PPFD VALUE FOR 720W

PPFD Value at 12" (30cm)

5X5FT

188	291	408	545	574	503	495	326	215	153
295	512	873	1008	1086	961	957	668	377	197
386	719	1252	1470	1530	1570	1473	1137	562	280
432	815	1364	1661	1756	1773	1591	1198	610	285
497	879	1340	1670	1760	1749	1613	1100	612	287
467	793	1303	1572	1669	1658	1509	1022	561	263
429	756	1172	1406	1494	1498	1366	920	495	266
353	657	948	1176	1259	1252	1155	774	379	237
241	378	655	747	782	760	725	500	294	204
114	178	381	382	420	348	413	360	221	163

PPFD Value at 24" (60cm)

5X5FT

413	513	550	675	669	645	594	510	415	388
499	610	691	793	827	800	722	615	497	428
552	692	793	926	980	959	866	716	572	471
585	723	843	1000	1076	1043	948	749	600	504
581	720	849	1019	1091	1061	959	783	593	506
563	686	808	964	1043	1007	901	726	579	476
520	631	738	877	952	920	818	677	524	450
445	544	603	748	775	790	696	577	475	409
355	431	481	566	613	614	550	454	397	352
255	367	407	407	402	462	442	422	352	308

PPFD Value at 36" (90cm)

5X5FT

458	525	560	577	556	542	527	486	445	412
539	576	618	641	637	621	584	532	492	456
555	602	650	678	685	668	625	566	506	476
534	599	664	700	714	688	650	581	494	464
511	594	660	702	716	692	647	582	461	442
503	563	636	678	691	668	622	559	460	427
488	522	584	625	637	614	580	520	446	421
445	483	519	536	566	538	517	481	436	415
378	424	436	459	473	452	435	417	384	373
303	375	342	380	391	389	367	396	379	336

PPFD Value at 48" (120cm)

5X5FT

440	466	483	494	462	464	466	450	445	434
465	487	501	510	508	506	493	471	471	447
465	488	507	519	525	520	507	483	483	452
429	473	504	521	527	524	513	489	489	435
419	465	497	517	522	519	506	487	486	414
401	452	476	497	504	499	486	468	466	407
399	426	456	472	476	476	463	448	447	389
381	405	418	425	439	428	423	420	420	401
329	370	380	377	386	382	384	387	388	365
292	285	369	328	330	341	361	382	381	342

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PPFD VALUE FOR 960W

PPFD Value at 12" (30cm)

5X5FT

336	455	602	553	695	689	683	671	495	363
553	907	1110	1157	1292	1201	1183	1128	865	564
736	1242	1587	1678	1743	1723	1688	1575	1292	779
816	1341	1730	1865	1906	1913	1872	1758	1391	867
848	1303	1686	1860	1909	1899	1859	1744	1413	905
774	1212	1611	1754	1789	1793	1727	1633	1318	825
702	175	1447	1580	1610	1600	1551	1472	1153	766
569	871	1198	1310	1334	1264	1275	1199	987	665
412	659	800	880	857	817	832	704	626	507
273	357	503	551	554	553	545	527	394	365

PPFD Value at 24" (60cm)

5X5FT

551	664	730	816	795	799	798	721	669	636
662	801	904	958	948	948	934	866	783	762
772	912	1037	1099	1135	1130	1095	1035	925	840
794	971	1106	1187	1233	1239	1213	1125	940	884
768	952	1098	1219	1264	1266	1220	1130	968	860
721	911	1032	1150	1212	1214	1165	1081	933	852
714	839	971	1062	1108	1091	1048	996	860	814
622	702	803	896	949	941	908	811	776	725
530	587	631	743	720	685	693	701	652	610
422	503	502	425	554	548	624	665	599	527

PPFD Value at 36" (90cm)

5X5FT

604	685	704	728	718	730	732	701	704	681
661	726	765	800	817	809	804	766	744	721
684	749	810	841	862	870	854	818	775	754
669	740	826	863	890	895	877	848	790	740
655	728	818	865	894	896	881	845	787	709
615	697	776	830	859	855	843	803	760	698
595	667	720	737	784	787	790	757	722	671
534	602	638	655	676	700	693	690	670	666
447	483	516	551	581	582	598	605	605	586
369	385	423	462	449	495	567	581	571	499

PPFD Value at 48" (120cm)

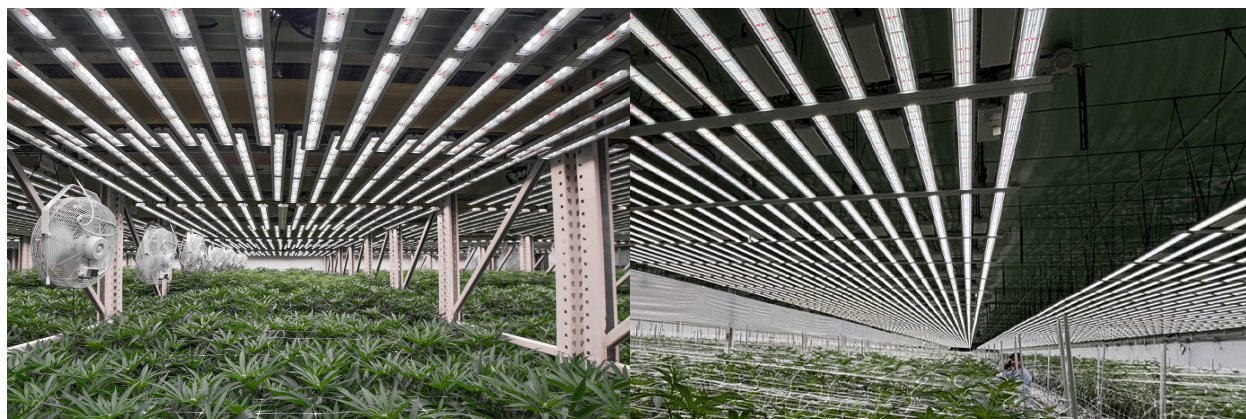
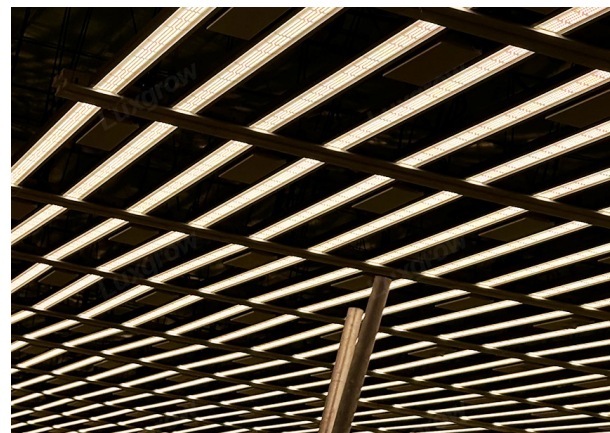
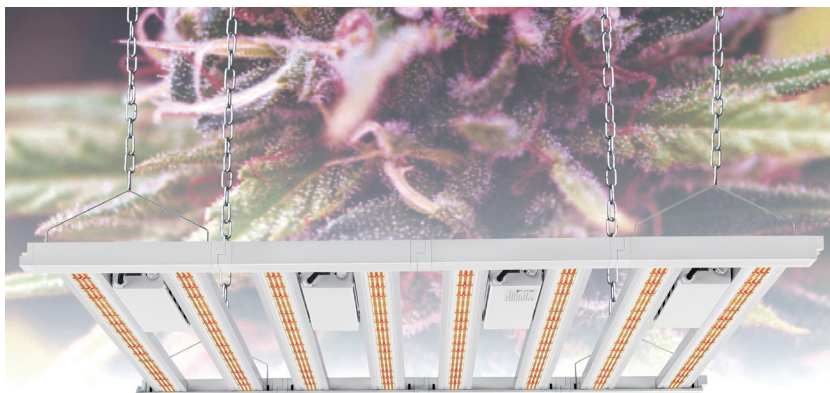
5X5FT

555	586	605	629	594	609	611	602	583	602
584	619	637	652	653	657	655	637	624	623
594	622	647	662	675	673	669	653	636	625
544	601	649	665	674	679	673	661	629	599
527	586	634	658	678	675	665	651	621	579
508	561	606	633	674	648	642	629	605	584
500	540	583	600	654	617	604	600	583	559
482	511	532	547	610	562	571	573	568	572
403	456	467	475	493	480	513	537	544	531
297	415	486	511	503	465	466	524	548	480

GROW LIGHT

PQ-GWSY

APPLICATIONS



INSTRUCTIONS FOR ORDERING

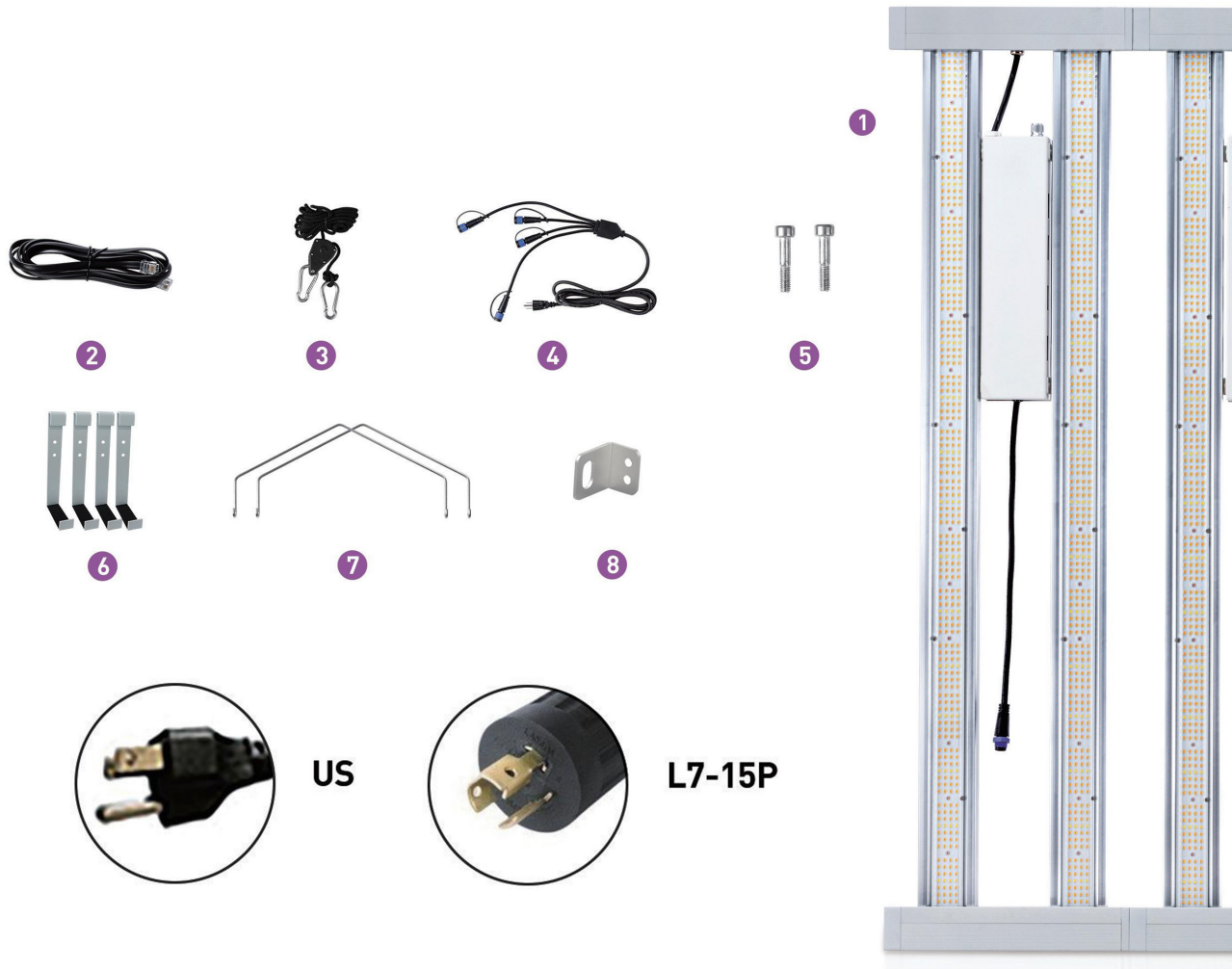
Model	Power (W)	Input Voltage (V)	Dimensions (Module group)
PQ-GWSY	240W	120V = 100-277VAC	1M
	480W		2M
	720W		3M
	960W		4M
	1500W		6M
	640W	347V	3M
	720W		

Catalog Number for Example: PQ-GWSY-720W-120V-3M

GROW LIGHT

PQ-GWSY

ACCESSORIES



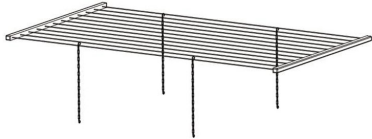
- 1 LED Grow Light
- 2 RJ14 Network cable
- 3 1/8" adjustable rope hanger
- 4 Four in one input cable
- 5 Assembly screws
- 6 Installation bracket
- 7 Ceiling hook
- 8 Stainless steel square hook

GROW LIGHT

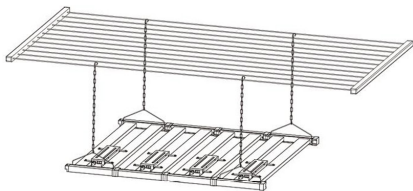
PQ-GWSY

ASSEMBLY INSTRUCTIONS

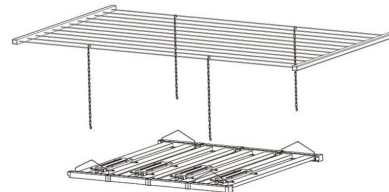
STEP ONE



1. Take out the 1/8" adjustable rope hangers and Fix one side on the ceiling

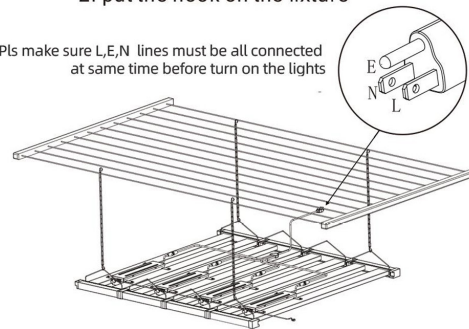


3. hang fixture on the ceiling.



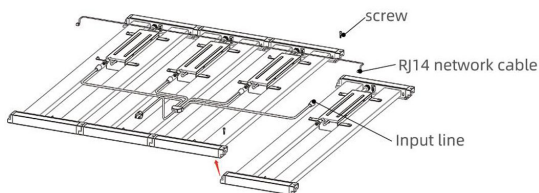
2. put the hook on the fixture

Pls make sure L,E,N lines must be all connected at same time before turn on the lights

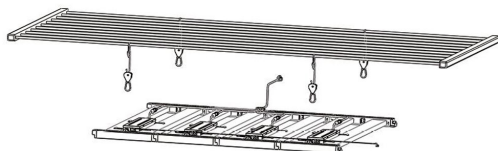


4. Connect the RJ14 Interconnect Cables ,Connect the four in one input cable

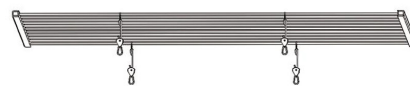
STEP TWO



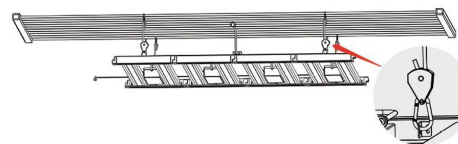
- 1.Combine and assemble the modules of the LPU, and connect the input line/RJ network cable (0.5M 3pcs 2m 1pcs)



3. Assemble the LPU lamp mold to the sling



2. Attach the lifting rope to the shelf

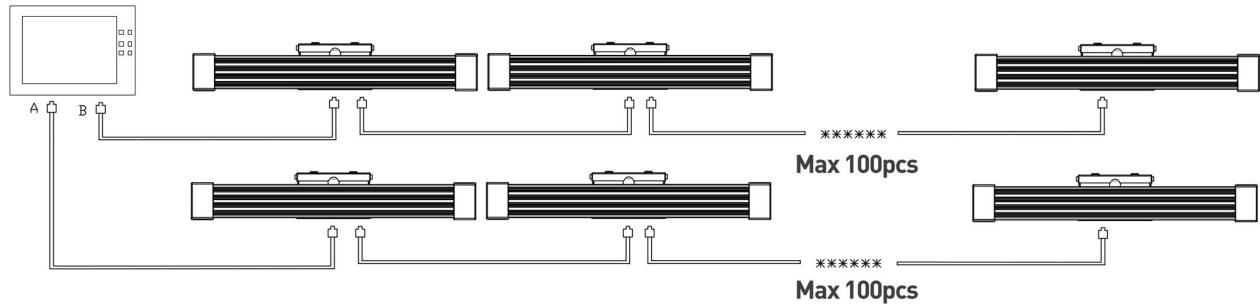


4. After connecting the power supply, then connect the control system for dimming and timing functions, and other functional tests.

GROW LIGHT

PQ-GWSY

WIRED CONTROLLER INSTALLATION



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

WARNING & WARRANTY



DO NOT EXPOSE TO WATER DRIP OR SPRAY

- Keep the cable away from hot surface.
- Do not place the lamp "face down" on a surface, as it may damage the lenses.
- Do not use the fixture when the power cord is damaged.
- Do not use the fixture when the unit has been dropped, or its enclosure or bars are damaged.

- **SUITABLE FOR DAMP LOCATIONS**
- **NOT SUITABLE FOR INTRACANOPY APPLICATIONS**
- **THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED**
- **RISK GROUP 1**
CAUTION UV EMITTED FROM THIS PRODUCT MINIMISE EXPOSURE TO EYES OR SKIN. USE APPROPRIATE SHIELDING.
- **RISK GROUP 2**
NOTICE UV EMITTED FROM THIS PRODUCT. EYE OR SKIN IRRITATION MAY RESULT FROM EXPOSURE. USE APPROPRIATE SHIELDING.