



#### \* Product features:

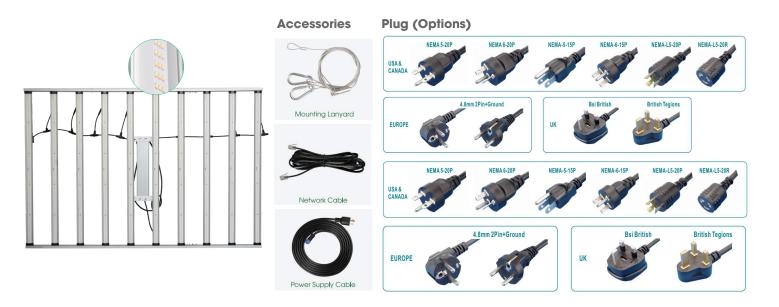
- Using Samsung LM301B/LM301H high-efficacy LEDs combined with the latest Osram M5.24 or Samsung LH351H V4 Deep Red 660nm LEDs delivers high PPE of 2.9μmol/J.
- Samsung LM301B/LM301H LEDs offer extremely high reliability, resistance to chemical environments and various types of fertilizers.
- High luminous efficacy saves electricity while producing less heat, reducing energy needed for cooling in plant cultivation environments.
- The 1000W gen 3 high-efficacy grow light, with a compact 10-bar LED configuration, optimizes shipping costs, and facilitates easy assembly and disassembly for maintenance.
- The 1000W LED grow light is designed with a larger 4'x6' size for greater flexibility and broader coverage in a 4'x6' cultivation area, optimal with a hanging height up to 14" and a light intensity up to 1400 $\mu$ mol/m2/s.
- Features brightness adjustment capabilities of 25/50/75/100% suitable for various plant growth stages.
- IP65, Class I
- Long life span: up to 54,000 hours, saving the maintenance cost.





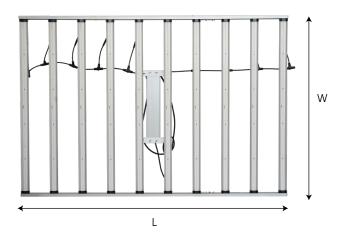


### **PRODUCT DETAILS**



## **PRODUCT SPECIFICATIONS**





Model	Dimension LxW (mm)	Power (W)	Photosynthetic Photon Flux (µmol/s)	Photosynthetic Photon Efficacy (µmol/J)	Spectrum	Dimmable	No of Bars	LED light source
RD-1000W-SE.BV3-Gen 3	1707x1151	1000	2800	2.80 - 2.85	Full spectrum (Red + White LED)	1 channel (25/50/75/100%)	10	LM301B + LH351H V3
RD-1000W-SE.BV4-Gen 3	1707x1151	1000	2850	2.85 - 2.90	Full spectrum (Red + White LED)	1 channel (25/50/75/100%)	10	LM301B + LH351H V4
RD-1000W-SE.BM5-Gen 3	1707x1151	1000	2850	2.85 - 2.90	Full spectrum (Red + White LED)	1 channel (25/50/75/100%)	10	LM301B + Osram
RD-1000W-SE.HM5-Gen 3	1707x1151	1000	2850	2.85 - 2.90	Full spectrum (Red + White LED)	1 channel (25/50/75/100%)	10	LM301H + Osram

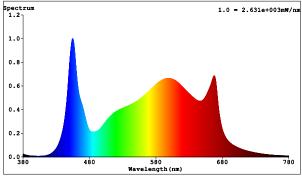
#### Capacity: 0.3 million pieces per year

Customizable: Power, Voltage, PF, Photosynthetic Photon Flux, lifespan, etc.





## SPECTRUM



Full spectrum channel









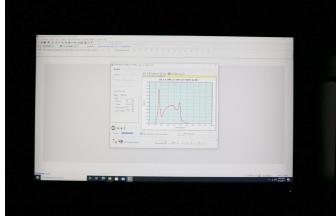


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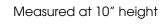
Measured at 14" height

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4	706	724	796	854	890	912	915	887	850	800	726	702
3.5	938	962	1017	1088	1110	1125	1130	1117	1090	1020	960	932
3	948	1004	1113	1168	1200	1202	1205	1198	1164	1115	1007	942
2.5	955	1029	1103	1171	1205	1208	1211	1206	1175	1106	1027	952
2	950	1026	1105	1170	1201	1210	1212	1200	1172	1107	1028	948
1.5	940	1005	1111	1170	1203	1209	1207	1200	1165	1116	1008	937
1	936	960	1019	1090	1116	1129	1127	1115	1085	1016	958	935
0.5	700	722	794	851	887	911	910	890	848	796	724	707
۰ د	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6 F

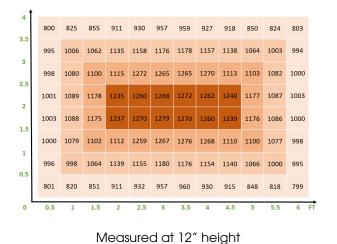


Measured at 18" height

4	625	762	765	796	828	840	842	830	807	770	768	622
3.5	826	852	900	958	985	997	1000	990	963	905	855	824
3	840	891	976	1042	1083	1092	1089	1080	1042	977	890	841
2.5	847	894	998	1052	1090	1096	1098	1085	1060	995	894	845
2	850	895	992	1055	1087	1095	1100	1088	1057	996	896	848
1.5	842	890	975	1041	1080	1091	1090	1082	1045	978	892	838
1	830	850	897	956	983	995	998	987	960	902	852	828
0.5	620	760	763	792	823	834	835	828	801	768	762	623
۰ L	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6 1







# PHOTON FLUX DISTRIBUTION (PPFD) µMOL/M<sup>2</sup>.S

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## **PACKING AND TRANSPORTATION**



Customizable according to customer's request

Type of lamps	Quantity in master box (pcs)	Estimated quantity/ 20'DC (pcs)	Estimated quantity/ 40'HC (pcs)		
1000W Gen 3	1	588	1,350		



Exported markets: USA, EU, South Korea, etc.



RANG DONG LIGHT SOURCE AND VACUUM FLASK JOINT STOCK COMPANY Add: 87- 89 Ha Dinh Street, Thanh Xuan, Hanoi, Vietnam Tel: (84-24) 3 858 4310 / 3 858 4165 Fax: (84-24) 3 858 5038 Email: export@rangdong.com.vn

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Specifications are subject to change without prior notice