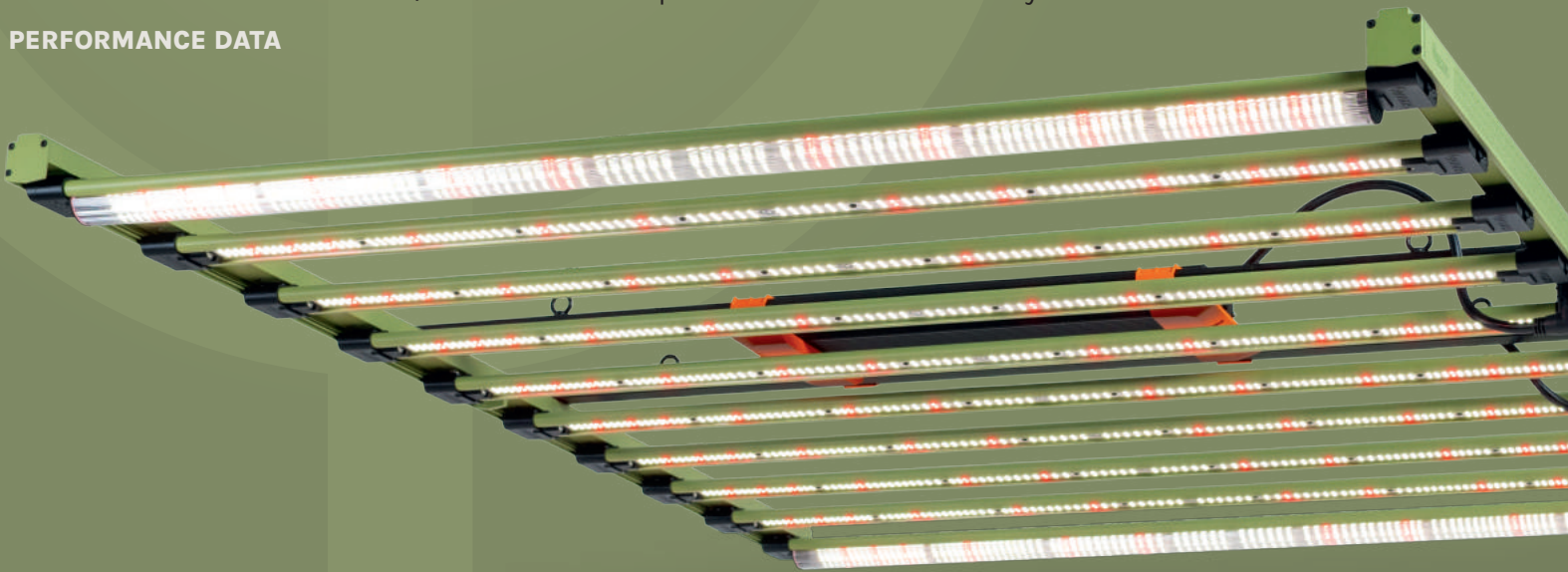


TREEGERS GL1000W+ LED FIXTURE

TREEGERS GL1000W+ LED FIXTURE - PERFORMANCE DATA

Harness the power, with a massive light output, usable photon efficacy and exceptional canopy uniformity, our **GL1000W+** will elevate your grow to the next level. The ultimate in cutting-edge, grow light technology and innovation, this 10 bar fixture with detachable bars, offers unbeatable performance and affordability.

PERFORMANCE DATA



<p>Up to 4.35 $\mu\text{mol}/\text{J}$ Diodes Efficacy</p>	<p>3090 $\mu\text{mol}/\text{s}$ PPF Output</p>	<p>IP66 WATERPROOF</p>	<p>5 YEAR WARRANTY</p>	<p>CE CERTIFIED</p>	<p>RoHS CERTIFIED</p>	<p>EMC CERTIFIED</p>	
<p>3.1 $\mu\text{mol}/\text{J}$ Photon Efficacy</p>	<p>INDUSTRY LEADING CANOPY UNIFORMITY</p>	<p>PLUG & PLAY</p>	<p>DESIGNED BY TREEGERS IN THE UK AND AUSTRALIA</p>	<p>LVD CERTIFIED</p>	<p>RCM CERTIFIED</p>	<p>UK CA CERTIFIED</p>	



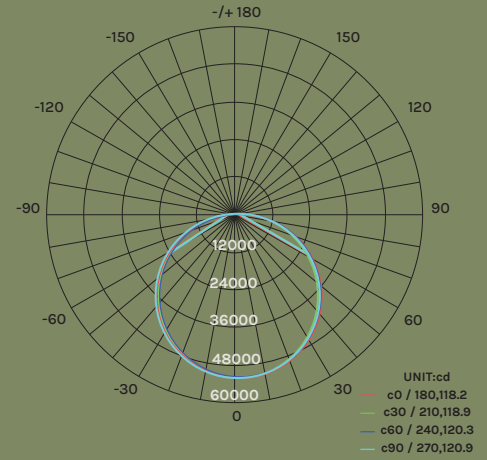
treegers.com

SPECIFICATIONS:

Product Code: TGL0004
EAN/GTIN: 9309001188061
Power Consumption: 1000W ±5%
Light Output PPF: 3090 µmol/s
Fixture Efficacy: 3.1 µmol/J
Coverage Area: Minimum 1.2x1.5m up to Maximum 1.5x1.8 m
Application: Grow Tent, Grow Room, Multi-layer
Thermal Management: Passive Cooling
Input Voltage: 180-277V, 50/60 Hz
Max. Ambient Temperature/Humidity: 45°C / 90%
CCT: 3800K
CRI: +85
Power Factor: >0.95
THD: 20% max
Light Source: Ledestar 4000K & 5000K White 3030; Ledestar 660nm Red 3535
No of LED Bars: 10
No of Diodes Total: White 3360; Red 240
No of Diodes per LED Bar: White 336; Red 24

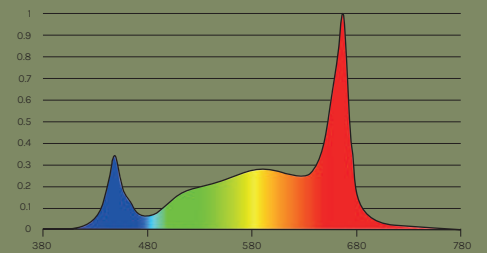
Diodes Efficacy: White 3030 3.25 µmol/J; Red 3535 4.35µmol/J
Driver: Sosen
Ingress Protection: IP66
Lifetime LED Bars: +60 000Hrs
Lifetime Driver: +80 000Hrs under 80% loading
Dimming: 0-10-20-30-40-50-60-70-80-90-100% (w/ Treegers Precise T Dimmer 0-10V)
External Control: w/ Treegers Growcast or any Universal Controller
BTUs with Driver: 3411.8
BTUs without Driver: 3241.2
Fixture Dimensions: 1442x1090x100 mm
Fixture Weight: 13.50 Kg
Driver Dimensions & Weight: 440x89.5x44.5 mm & 3.8 Kg
Carton Dimensions: 1170x440x157 mm
Gross Weight: 16.80 Kg
Certifications: CE, UKCA, RCM, RoHS, SAA
Warranty: 5 Years
Light Distribution: 120°

AVERAGE BEAM ANGLE (50%) : 119.5 DEG



SQD SPECTRUM GRAPH:

Full-Spectrum HybridF+ by TREGERS



Full-Spectrum HybridF+, used on our powerful GL+ series of LEDs, provides balance for Full-Cycle growing, with a focus on Flowering due to its Deep Red enhancement. An ideal choice for growers who want to boost their yields with one of the highest photon efficacy fixtures on the market.

GL1000W+ - MAXIMUM INPUT CURRENT

Input Volt	DIMMING	INPUT POWER (W)	INPUT CURRENT (A)
230VAC	100%	1009.8W	4.87
240VAC	100%	1008.2W	4.68
277VAC	100%	1005.2W	4.09

TESTING PARAMETERS

Tested Product: Treegers GL1000W+ LED Fixture (with Optical Lens) **Reflection:** 0%
Distance from Canopy: 30cm, 40cm, 50cm, 80cm, 100cm **Fixture Power Intensity:** 100%
Area: 1.2x1.5m for 30cm, 40cm & 50cm; 1.5x1.8m for 80cm & 100cm **Fixture orientation:**
Points: 80 (8x10) for 1.2x1.5m; 120 (10x12) for 1.5x1.8m
Testing Equipment: Integrated 2m Sphere, Apogee & Treegers Quantum PAR Meters



WHAT'S IN THE BOX?

- 10 x High Powered LED Bars
- 1 x 1000W High Grade Driver
- 1 x Frame Kit (w/ 4 frame items + cabling)
- 2 x Driver Support Brackets
- 1 x Power Cable (w/ 1.8 m length, plug & Jnicon connector)
- 2 x Stainless Cable Hangers (D2 x 105mm)
- 1 x User Guide

PPFD MAPS PER CANOPY TO LIGHT DISTANCE

PPFD Map at 30cm

604	729	837	897	931	923	905	830	729	605
952	1116	1300	1371	1422	1409	1374	1308	1107	949
1077	1273	1465	1558	1615	1621	1563	1463	1283	1084
1093	1270	1458	1555	1609	1599	1541	1461	1270	1101
1089	1272	1463	1570	1610	1612	1546	1445	1265	1093
1070	1280	1461	1547	1611	1617	1573	1452	1280	1073
961	1116	1304	1368	1417	1434	1378	1312	1119	946
605	725	837	889	940	933	893	838	723	605

1.5m

Recommended Coverage: 1.2x1.5m
 Uniformity Ratio: 0.50
 Canopy Average PPFD: 1206.68 µmol/s/m²

PPFD Map at 40cm

564	698	771	840	864	856	838	773	696	563
789	986	1097	1169	1200	1195	1158	1093	979	798
910	1141	1265	1354	1392	1387	1357	1277	1143	914
964	1186	1322	1409	1455	1454	1409	1324	1185	970
965	1180	1311	1401	1449	1460	1412	1332	1184	968
918	1147	1275	1342	1379	1390	1346	1263	1143	912
789	981	1089	1168	1202	1207	1171	1095	996	789
564	699	763	837	870	857	844	778	701	561

1.5m

Recommended Coverage: 1.2x1.5m
 Uniformity Ratio: 0.53
 Canopy Average PPFD: 1068.45 µmol/s/m²

PPFD Map at 50cm

530	698	708	773	793	794	774	708	668	529
698	986	944	1029	1051	1050	1027	940	904	694
800	1141	1084	1189	1219	1231	1181	1079	1038	797
860	1186	1159	1262	1297	1308	1266	1169	1113	868
866	1180	1159	1269	1299	1290	1268	1156	1096	863
802	1147	1074	1188	1214	1212	1188	1089	1040	795
695	906	946	1028	1050	1060	1019	948	904	699
531	675	704	776	794	799	773	708	670	532

1.5m

Recommended Coverage: 1.2x1.5m
 Uniformity Ratio: 0.55
 Canopy Average PPFD: 955.95 µmol/s/m²

PPFD Map at 80cm

300	353	416	440	457	477	474	455	438	414	350	298
372	427	518	559	583	608	604	586	561	516	429	372
437	507	615	668	698	733	733	699	637	616	510	434
485	565	692	749	787	825	824	791	741	695	562	487
520	601	735	795	834	876	870	829	793	738	606	520
519	605	733	789	827	883	873	827	796	738	600	520
487	559	689	745	780	828	827	795	746	694	562	482
436	505	611	668	700	727	730	700	664	619	508	436
372	427	519	553	578	613	608	580	536	514	425	368
301	349	416	441	455	473	477	458	442	414	356	301

1.8m

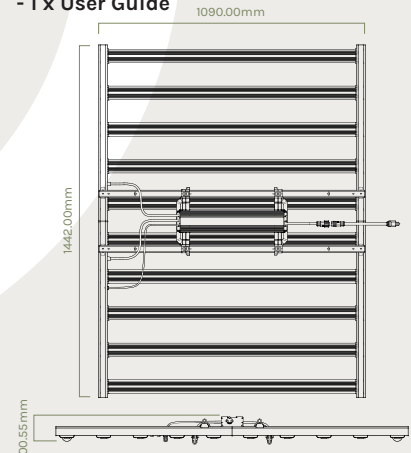
Recommended Coverage: 1.5x1.8m
 Uniformity Ratio: 0.51
 Canopy Average PPF: 587.15 µmol/s/m²

PPFD Map at 100cm

285	318	363	398	405	413	415	406	398	365	318	286
330	370	428	476	485	496	500	482	473	424	373	333
374	421	488	548	557	574	569	558	551	484	421	372
410	459	535	600	611	629	628	613	601	534	462	412
431	481	562	630	641	661	661	640	631	558	483	428
430	478	563	634	638	656	665	645	635	564	480	429
411	459	538	604	607	624	634	616	604	540	462	408
371	422	493	551	557	571	574	553	550	491	422	374
332	367	427	474	486	502	498	485	477	431	370	329
285	319	365	395	405	414	415	404	399	366	317	284

1.8m

Recommended Coverage: 1.5x1.8m
 Uniformity Ratio: 0.59
 Canopy Average PPF: 479.64 µmol/s/m²



TACTICAL GROW GEAR

For more please visit treegers.com
 or Contact us at support@treegers.com