

TECHIE

Geographic Sequence Grow Light



3CH Programable Light Spectrum

Real World Light Simulation | Auto-dim | 1 min. update interval

is whole new designed for commercial indoor horizontal and vertical growing environments, foldable structure, using Top Bin horticulture LEDs 6-8 strips optional, releasing 400-730nm maximum **2842 umol/s**, and with additional Emerson Effects spectrum .

*** HydraOS | Real World Light Simulation Software included**

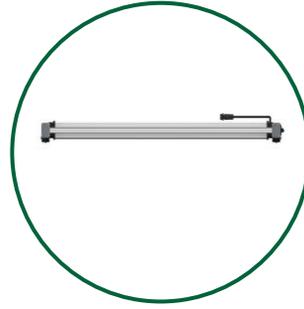
Required Internet Wi-fi Connection or Offline Mode (3CH Manual Dimming)

LEAF5
PHOTOSYNTHESIS EXPERT



Features

- ◆ Innovative foldable design
- ◆ Three groups changeable spectrum
- ◆ Top Bin horticulture top bin LEDs
- ◆ High efficacy up to 3.1 umol/J
- ◆ ETL, CE, RoHS certified
- ◆ IP65 Waterproof
- ◆ 0-10V Dimmable
- ◆ 2 years warranty
- ◆ Slim structure and less weight
- ◆ Covering full-cycle growing phases
- ◆ Emerson Effects spectrum
- ◆ HydraOS Compatible



Foldable design

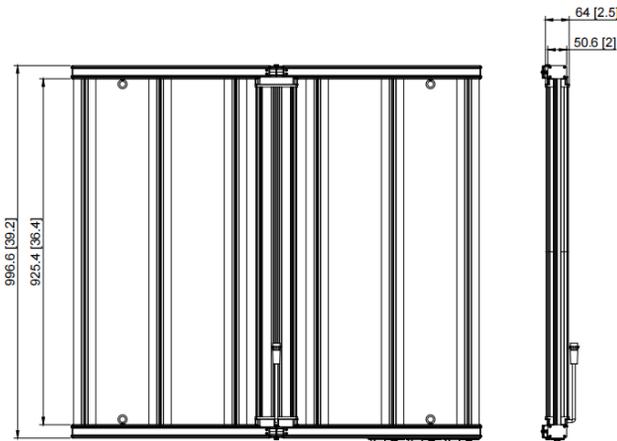


Built-in driver

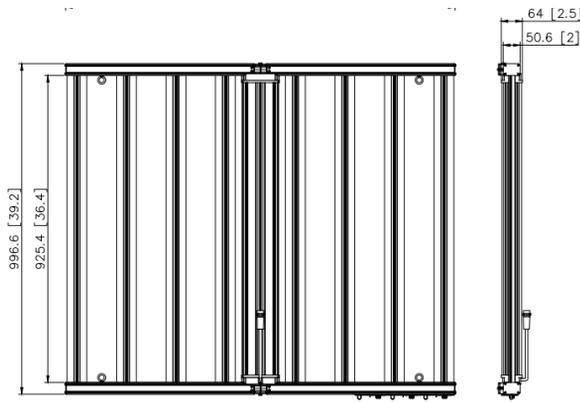
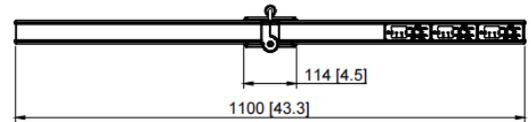


3CH Manual Dimming

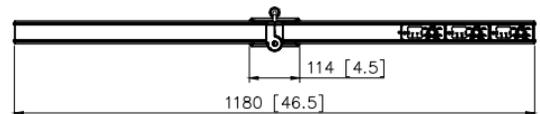
Dimension



6 Bars Size: 1100x997x64mm (43.3x39.2x2.5inch)

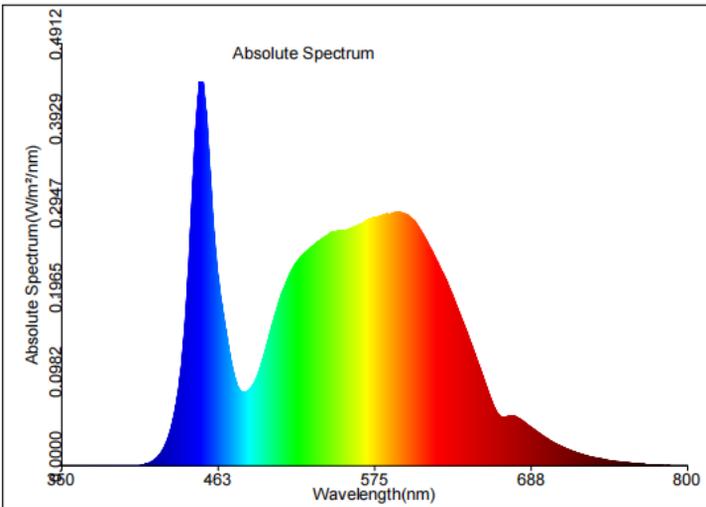


8 Bars Size: 1180x997x64mm (46.5x39.2x2.5inch)

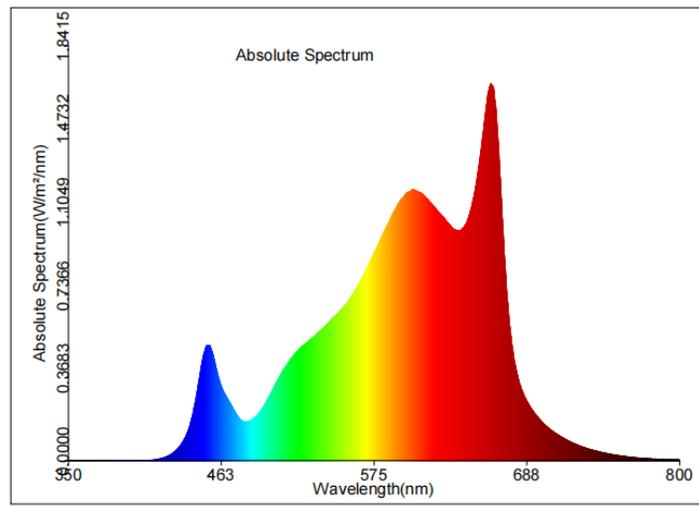


Relative Spectrum

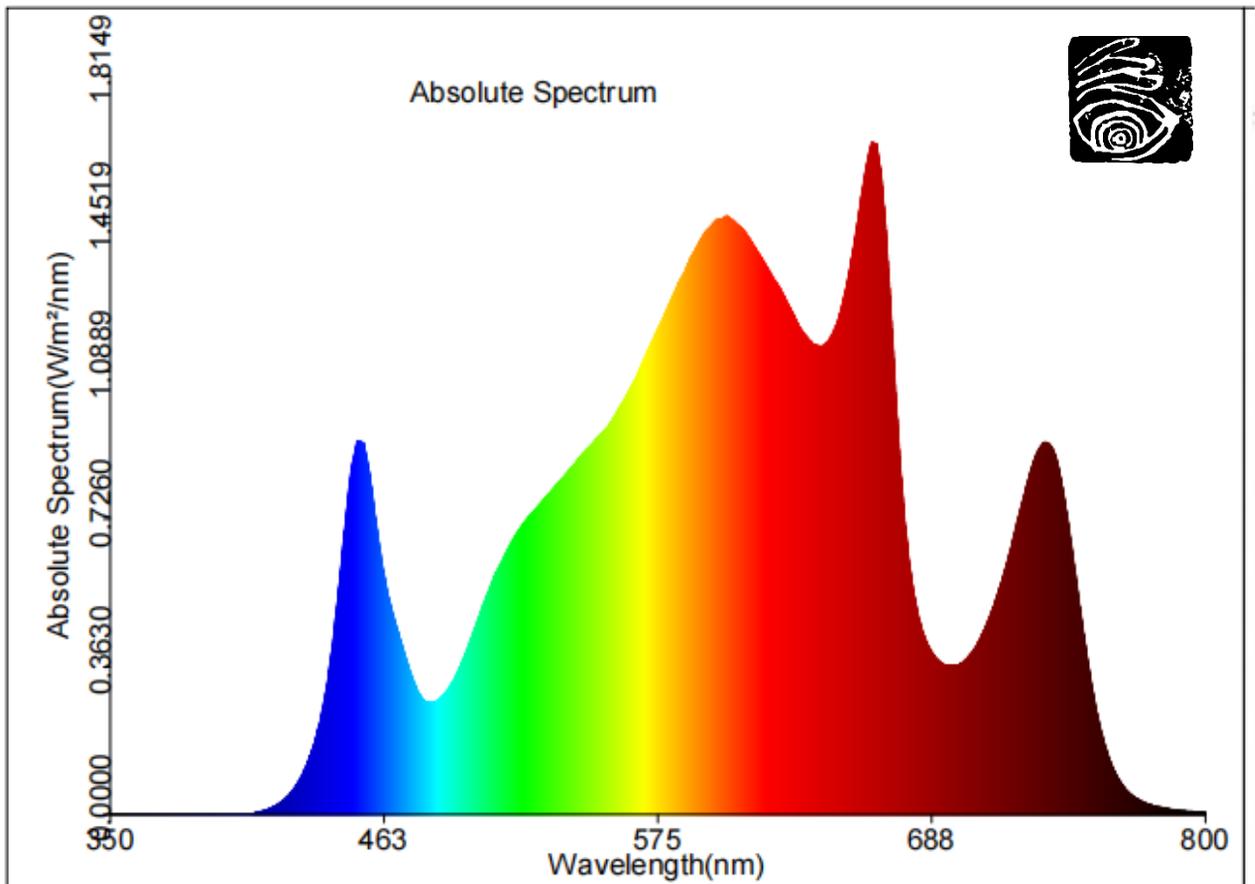
Test@12inch



Deep Blue (5000K) (Channel 1 Spectrum)



Warm Light (3000K+660nm)
(Channel 2 Spectrum)



Base Light (3000K) + Deep Blue (5000K)+ Hyper Red (660nm)
+ Far Red (730nm) (All Channels Spectrum)

Par Map



TECHIE 670W LED Grow Light PPF

| Height (inch) | 4x4ft | | | | | | | |
|---------------|-------|------|------|------|-------|------|------|------|
| | 3x3ft | | | | 2x2ft | | | |
| 6" | 418 | 467 | 461 | 485 | 454 | 464 | 415 | 422 |
| 12" | 648 | 677 | 707 | 706 | 710 | 715 | 701 | 639 |
| 18" | 695 | 757 | 768 | 752 | 740 | 761 | 739 | 667 |
| 24" | 657 | 706 | 725 | 715 | 712 | 705 | 693 | 637 |
| 6" | 1671 | 1216 | 1093 | 1644 | 1662 | 1038 | 1198 | 1581 |
| 12" | 1001 | 1079 | 1125 | 1152 | 1140 | 1115 | 1080 | 957 |
| 18" | 886 | 978 | 994 | 993 | 981 | 965 | 909 | 836 |
| 24" | 786 | 845 | 869 | 869 | 861 | 847 | 814 | 759 |
| 6" | 2000 | 1511 | 1340 | 1975 | 2041 | 1334 | 1515 | 1882 |
| 12" | 1207 | 1338 | 1385 | 1421 | 1407 | 1378 | 1321 | 1154 |
| 18" | 1021 | 1137 | 1170 | 1171 | 1167 | 1136 | 1070 | 974 |
| 24" | 838 | 923 | 964 | 970 | 963 | 942 | 899 | 819 |
| 6" | 2067 | 1515 | 1371 | 2027 | 2123 | 1390 | 1554 | 1947 |
| 12" | 1266 | 1401 | 1469 | 1505 | 1498 | 1457 | 1387 | 1212 |
| 18" | 1067 | 1194 | 1239 | 1247 | 1239 | 1206 | 1130 | 994 |
| 24" | 852 | 944 | 1007 | 1022 | 1016 | 990 | 936 | 835 |
| 6" | 2042 | 1509 | 1332 | 2027 | 2126 | 1381 | 1521 | 1962 |
| 12" | 1258 | 1379 | 1445 | 1488 | 1481 | 1440 | 1374 | 1199 |
| 18" | 1050 | 1160 | 1212 | 1220 | 1211 | 1179 | 1121 | 988 |
| 24" | 860 | 941 | 989 | 1005 | 997 | 974 | 920 | 834 |
| 6" | 2008 | 1513 | 1259 | 1889 | 2065 | 1346 | 1463 | 1932 |
| 12" | 1157 | 1252 | 1315 | 1344 | 1337 | 1298 | 1244 | 1158 |
| 18" | 953 | 1030 | 1071 | 1089 | 1079 | 1060 | 999 | 927 |
| 24" | 791 | 853 | 897 | 914 | 907 | 895 | 853 | 798 |
| 6" | 1661 | 1178 | 981 | 1410 | 1539 | 1086 | 1150 | 1606 |
| 12" | 841 | 923 | 961 | 986 | 985 | 969 | 943 | 894 |
| 18" | 717 | 795 | 829 | 839 | 836 | 835 | 804 | 758 |
| 24" | 624 | 708 | 744 | 755 | 764 | 738 | 723 | 700 |
| 6" | 511 | 435 | 492 | 435 | 439 | 477 | 482 | 468 |
| 12" | 608 | 619 | 629 | 600 | 599 | 614 | 659 | 622 |
| 18" | 617 | 630 | 660 | 633 | 621 | 628 | 672 | 673 |
| 24" | 603 | 607 | 639 | 650 | 640 | 616 | 681 | 681 |

Test environment: 5x5ft grow tent with mylar walls

| Item | 6 inch | 12 inch | 18 inch | 24 inch |
|--------------|------------|---------|---------|---------|
| 670W average | 1312.59.42 | 1087.17 | 944.98 | 819.08 |

Par Map



TECHIE 980W LED Grow Light PPFD

| Height (inch) | 4x4ft | | | | | | | |
|---------------|-------|------|------|------|-------|------|------|-----|
| | 3x3ft | | | | 2x2ft | | | |
| 6" | 552 | 1987 | 2323 | 2350 | 2312 | 2251 | 1878 | 589 |
| 12" | 792 | 1357 | 1642 | 1699 | 1686 | 1530 | 1189 | 677 |
| 18" | 814 | 1086 | 1305 | 1402 | 1389 | 1277 | 1063 | 771 |
| 24" | 791 | 930 | 1052 | 1113 | 1111 | 1034 | 907 | 753 |
| 6" | 581 | 2101 | 2581 | 2558 | 2546 | 2518 | 1995 | 576 |
| 12" | 883 | 1566 | 1966 | 2070 | 2042 | 1885 | 1427 | 796 |
| 18" | 887 | 1222 | 1480 | 1599 | 1591 | 1459 | 1189 | 862 |
| 24" | 853 | 1025 | 1169 | 1247 | 1238 | 1145 | 995 | 812 |
| 6" | 534 | 2063 | 2558 | 2607 | 2465 | 2485 | 2008 | 535 |
| 12" | 917 | 1607 | 2033 | 2153 | 2128 | 1973 | 1500 | 820 |
| 18" | 923 | 1273 | 1572 | 1687 | 1680 | 1548 | 1270 | 898 |
| 24" | 883 | 1075 | 1239 | 1326 | 1315 | 1218 | 1040 | 846 |
| 6" | 556 | 1986 | 2307 | 2442 | 2369 | 2300 | 1832 | 528 |
| 12" | 888 | 1542 | 1954 | 2090 | 2066 | 1892 | 1431 | 781 |
| 18" | 921 | 1267 | 1556 | 1687 | 1675 | 1535 | 1253 | 902 |
| 24" | 876 | 1090 | 1258 | 1344 | 1333 | 1230 | 1059 | 854 |
| 6" | 529 | 2196 | 2536 | 2580 | 2562 | 2491 | 1986 | 507 |
| 12" | 924 | 1515 | 1928 | 2060 | 2041 | 1875 | 1420 | 795 |
| 18" | 906 | 1245 | 1537 | 1669 | 1658 | 1517 | 1244 | 891 |
| 24" | 855 | 1061 | 1243 | 1327 | 1316 | 1217 | 1046 | 848 |
| 6" | 616 | 2175 | 2621 | 2639 | 2582 | 2542 | 2070 | 519 |
| 12" | 932 | 1562 | 1963 | 2085 | 2068 | 1905 | 1455 | 789 |
| 18" | 860 | 1214 | 1501 | 1625 | 1622 | 1472 | 1200 | 854 |
| 24" | 806 | 1017 | 1191 | 1275 | 1272 | 1166 | 1014 | 814 |
| 6" | 582 | 2137 | 2531 | 2595 | 2574 | 2480 | 2010 | 566 |
| 12" | 849 | 1452 | 1833 | 1950 | 1938 | 1788 | 1347 | 754 |
| 18" | 774 | 1102 | 1361 | 1476 | 1473 | 1339 | 1097 | 787 |
| 24" | 732 | 914 | 1068 | 1155 | 1145 | 1057 | 915 | 742 |
| 6" | 514 | 1872 | 2209 | 2265 | 2269 | 2206 | 1847 | 502 |
| 12" | 761 | 1167 | 1478 | 1592 | 1574 | 1472 | 1106 | 753 |
| 18" | 747 | 897 | 1103 | 1211 | 1195 | 1101 | 905 | 739 |
| 24" | 728 | 758 | 898 | 967 | 964 | 900 | 779 | 717 |

Test environment: 5x5ft grow tent with mylar walls

| Item | 6 inch | 12 inch | 18 inch | 24 inch |
|--------------|---------|---------|---------|---------|
| 980W average | 1868.48 | 1501.77 | 1240.08 | 1032.31 |



Technical Specification

| Model | TECHIE 670W | TECHIE 980W |
|--------------------|--------------------------------------|--------------------------------------|
| Actual Power | 670w/6 bars | 980w/8 bars |
| Spectrum | 3000K+5000K+660nm+730nm | |
| Efficacy | 3.08 umol/J | |
| PPF | 2063 umol/s | 2842 umol/s |
| Driver | Inventronic + Sosen | |
| Input Voltage | AC 100-277V / 347-547V | |
| Power Factor | >0.92 | |
| Light Distribution | 120° | |
| Dimming Range | 0-10V | |
| Dimension | 43.3x39.2x2.5inch / 1100x997x64mm | 46.5x39.2x2.5inch / 1180x997x64mm |
| Lifespan | >50,000 Hours | |
| IP Rating | IP65 | |
| Certificate | ETL, cETL, CE, RoHS | |
| Warranty | 2 Years Warranty | |

Max Amperage

| Model | TECHIE 670W | TECHIE 980W |
|----------|---------------------------------------|---------------------------------------|
| Amperage | 5.58A@110V 3.04A@220V 2.42@277V | 8.17A@110V 4.45A@220V 3.54@277V |

Company name:

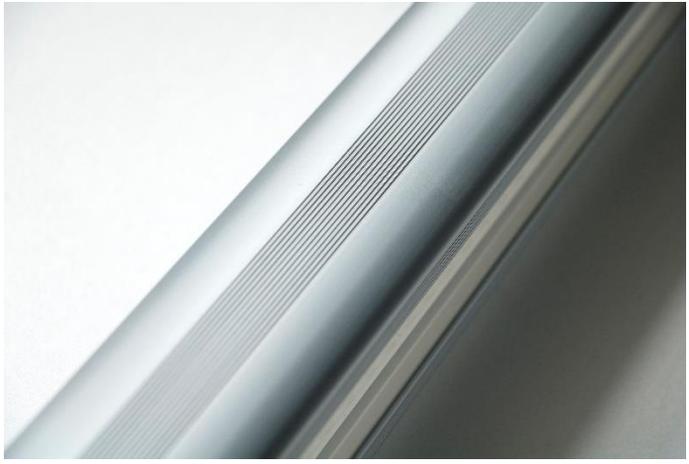
Website: www.leaf5.com Instagram: [leaf5team](https://www.instagram.com/leaf5team) Facebook: [fb.com/ leaf5team](https://www.facebook.com/leaf5team)

Email: support@leaf5.com

Develop & Designed in Bangkok, Thailand | The Holy Photosynthesis Grow Light



TECHIE Album



LEAF5 | The Holy Indoor Grow Light Equipment

Website: www.leaf5.com

Instagram: [leaf5team](https://www.instagram.com/leaf5team)

Facebook: [fb.com/ leaf5team](https://www.facebook.com/leaf5team)

Email: support@leaf5.com

Develop & Designed in Bangkok, Thailand | The Holy
Photosynthesis Grow Light



Hydra Operation System (HydraOS)



Patent Pending

HydraOS is Real-world light simulation platform, where grower can share & modify photosynthesis settings at ease with user friendly web interface and credible light reports.

We believed in Harmony of Light

Inspired us by Sun Light & Mother Nature

| Model | HydraOS | HydraOS PWM |
|------------------------|--|-----------------------------------|
| Subscription | 1 Year included upon Activated HydraOS | Discontinue |
| Update Interval. | 1 min. interval | |
| Internet Wi-Fi | Yes | |
| Dimming Signal | 0-10V | PWM |
| Browser Compatible | Safari, Chrome, Firefox | |
| Temperature Sensors | 4 Socket (RJ12-14 4 Cores) | |
| Power Surge Protection | Yes | |
| Power Stability Module | Yes | |
| Dimming Range | 0-10V | |
| Database | 43.3x39.2x2.5inch / 1100x997x64mm | 46.5x39.2x2.5inch / 1180x997x64mm |
| Price | 1 Device (11,400 Yearly) Control Up to 16 Light | |
| Dimming CH No. | 7 | |
| Platform Benefits | <ul style="list-style-type: none"> • Save up Electricity Cost up to 31% Monthly • Real World Light Simulation Auto-Dimming • Sequence Light Treatments • Increase Terpene Profile Spectrum • Shorten 15% Flowering Cycle • User-Friendly Web Interface • DLI, PPF, Geolocation Charts • Maximum Security and Uptime • Light Harmony for Plant • Mother nature as our light reference | |
| Warranty | 2 Years Warranty | |

LEAF5 | The Holy Indoor Grow Light Equipment

Website: www.leaf5.com Instagram: [leaf5team](https://www.instagram.com/leaf5team)

Facebook: [fb.com/ leaf5team](https://www.facebook.com/leaf5team) Email: support@leaf5.com

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