



iLogic⁹
FULL SPECTRUM

MODEL: iLogic9

VOLTAGE: 120-277V

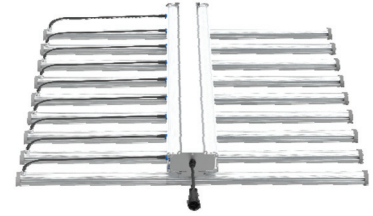
WATTS: 1000W

SKU: IL-iLOGIC9

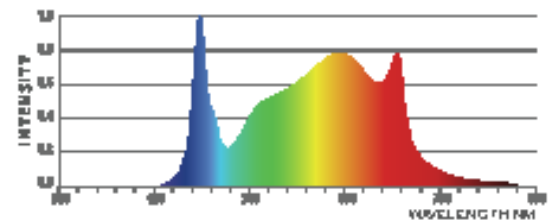
LED Lighting Solution

TECHNICAL SPECS

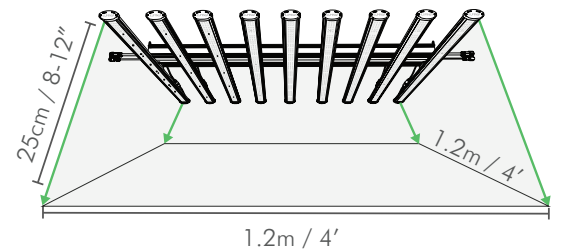
| | |
|----------------------------|------------------------------|
| Rated Voltage | 120-277V AC |
| Voltage Range (+/-10%) | 100-277V |
| PPF | 2,800 $\mu\text{mol/s}$ |
| Efficacy | 2.8 $\mu\text{mol/J}$ |
| Min Power Factor | 0.95 |
| THD | < 20% |
| Crest Factor | 1.5 |
| BTU | 1950 |
| Frequency | 50 / 60Hz |
| Dimmable | 0-10V Controllable |
| Ambient Temperature | 0 - 35°C / 32-95°F |
| Relative Humidity | 85% |
| Color Temperature | 4000k |
| Color Rendering Index | 90 |
| Minimum Mounting Height | 8-12" to top of Canopy |
| Emitter Cooling | Passive / Extruded Case |
| Light Distribution | 120° |
| Waterproof Rating | IP66 for Damp/Wet Conditions |
| LED Lifespan (90% of Life) | 50,000+ hours |



iLOGIC9 LED SPECTRUM



MOUNTING & COVERAGE

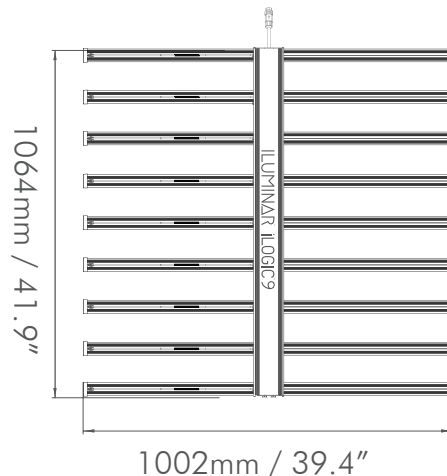


PHYSICAL SPECIFICATIONS

| | | |
|--------|----------|---------|
| Length | 1064 mm | 41.9" |
| Width | 1002 mm | 39.4" |
| Height | 124.3 mm | 4.9" |
| Weight | 23.8kg | 52.5lbs |

VOLTAGE AND AMPERAGE

| | | |
|------|-------|-------|
| 120V | 9.3A | 1060W |
| 208V | 5.15A | 1015W |
| 240V | 4.43A | 1010W |
| 277V | 3.8A | 1000W |
| 240V | 2.8A | 925W |
| 277V | 2.2A | 1000W |



iluminarlighting.com
Toll Free: 1-877-540-5588

5 YEAR
WARRANTY

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Legend


| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 503 | 867 | 968 | 994 | 994 | 969 | 870 | 505 |
| -1.25 | 1056 | 1900 | 2089 | 2129 | 2129 | 2090 | 1906 | 1075 |
| -0.75 | 1228 | 2178 | 2403 | 2452 | 2453 | 2406 | 2183 | 1237 |
| -0.25 | 1262 | 2229 | 2466 | 2519 | 2519 | 2468 | 2237 | 1271 |
| 0.25 | 1260 | 2229 | 2464 | 2517 | 2518 | 2467 | 2235 | 1271 |
| 0.75 | 1225 | 2173 | 2398 | 2447 | 2448 | 2401 | 2179 | 1234 |
| 1.25 | 1060 | 1896 | 2082 | 2122 | 2123 | 2085 | 1901 | 1070 |
| 1.75 | 499 | 867 | 967 | 992 | 992 | 969 | 869 | 504 |

Clearance Qty
Average PPFD 1703.55 $\mu\text{mol s.m}^2$
Max PPFD 2519 $\mu\text{mol s.m}^2$
Min PPFD 499 $\mu\text{mol s.m}^2$
Median PPFD 1994 $\mu\text{mol s.m}^2$
Min/Average 29.29 %

| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 560 | 819 | 965 | 1022 | 1023 | 967 | 821 | 562 |
| -1.25 | 873 | 1307 | 1539 | 1623 | 1624 | 1541 | 1310 | 877 |
| -0.75 | 1063 | 1595 | 1881 | 1985 | 1986 | 1883 | 1600 | 1069 |
| -0.25 | 1136 | 1701 | 2007 | 2120 | 2121 | 2010 | 1706 | 1143 |
| 0.25 | 1135 | 1700 | 2006 | 2119 | 2120 | 2009 | 1705 | 1142 |
| 0.75 | 1060 | 1592 | 1877 | 1982 | 1982 | 1881 | 1597 | 1068 |
| 1.25 | 869 | 1304 | 1536 | 1621 | 1622 | 1539 | 1309 | 876 |
| 1.75 | 557 | 817 | 964 | 1021 | 1022 | 966 | 820 | 561 |

Clearance Qty
Average PPFD 1387.78 $\mu\text{mol s.m}^2$
Max PPFD 2121 $\mu\text{mol s.m}^2$
Min PPFD 557 $\mu\text{mol s.m}^2$
Median PPFD 1423 $\mu\text{mol s.m}^2$
Min/Average 40.14 %

| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 545 | 725 | 851 | 911 | 912 | 852 | 727 | 547 |
| -1.25 | 747 | 1009 | 1189 | 1274 | 1274 | 1191 | 1011 | 750 |
| -0.75 | 896 | 1216 | 1436 | 1538 | 1539 | 1438 | 1219 | 900 |
| -0.25 | 967 | 1315 | 1554 | 1665 | 1666 | 1556 | 1318 | 972 |
| 0.25 | 967 | 1314 | 1553 | 1665 | 1665 | 1556 | 1318 | 972 |
| 0.75 | 894 | 1214 | 1435 | 1537 | 1538 | 1437 | 1219 | 900 |
| 1.25 | 745 | 1008 | 1189 | 1273 | 1274 | 1191 | 1012 | 751 |
| 1.75 | 544 | 724 | 851 | 911 | 912 | 852 | 727 | 547 |

Clearance Qty
Average PPFD 1115.7 $\mu\text{mol s.m}^2$
Max PPFD 1666 $\mu\text{mol s.m}^2$
Min PPFD 544 $\mu\text{mol s.m}^2$
Median PPFD 1100.5 $\mu\text{mol s.m}^2$
Min/Average 48.76 %

| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 506 | 634 | 729 | 779 | 779 | 730 | 635 | 507 |
| -1.25 | 644 | 816 | 944 | 1010 | 1010 | 945 | 818 | 647 |
| -0.75 | 751 | 957 | 1110 | 1189 | 1189 | 1111 | 959 | 755 |
| -0.25 | 808 | 1031 | 1197 | 1282 | 1283 | 1199 | 1034 | 812 |
| 0.25 | 807 | 1030 | 1197 | 1282 | 1283 | 1199 | 1034 | 812 |
| 0.75 | 750 | 956 | 1110 | 1189 | 1190 | 1112 | 960 | 755 |
| 1.25 | 643 | 815 | 944 | 1011 | 1011 | 946 | 819 | 648 |
| 1.75 | 505 | 633 | 730 | 780 | 780 | 731 | 636 | 508 |

Clearance Qty
Average PPFD 900.09 $\mu\text{mol s.m}^2$
Max PPFD 1283 $\mu\text{mol s.m}^2$
Min PPFD 505 $\mu\text{mol s.m}^2$
Median PPFD 881.5 $\mu\text{mol s.m}^2$
Min/Average 56.11 %

| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 408 | 474 | 525 | 552 | 553 | 525 | 475 | 409 |
| -1.25 | 477 | 559 | 621 | 655 | 655 | 622 | 560 | 479 |
| -0.75 | 531 | 625 | 696 | 734 | 735 | 697 | 626 | 533 |
| -0.25 | 560 | 660 | 736 | 778 | 778 | 738 | 662 | 563 |
| 0.25 | 560 | 660 | 737 | 778 | 778 | 738 | 663 | 563 |
| 0.75 | 531 | 625 | 696 | 735 | 736 | 698 | 627 | 534 |
| 1.25 | 478 | 559 | 622 | 656 | 656 | 623 | 562 | 480 |
| 1.75 | 408 | 475 | 526 | 553 | 554 | 527 | 477 | 410 |

Clearance Qty
Average PPFD 600.41 $\mu\text{mol s.m}^2$
Max PPFD 778 $\mu\text{mol s.m}^2$
Min PPFD 408 $\mu\text{mol s.m}^2$
Median PPFD 592 $\mu\text{mol s.m}^2$
Min/Average 67.95 %

| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 318 | 354 | 381 | 395 | 395 | 381 | 354 | 318 |
| -1.25 | 355 | 397 | 428 | 445 | 445 | 429 | 398 | 356 |
| -0.75 | 383 | 429 | 464 | 483 | 483 | 464 | 430 | 384 |
| -0.25 | 398 | 447 | 483 | 503 | 503 | 484 | 448 | 400 |
| 0.25 | 398 | 447 | 483 | 503 | 503 | 484 | 448 | 400 |
| 0.75 | 383 | 429 | 464 | 483 | 483 | 465 | 431 | 385 |
| 1.25 | 355 | 397 | 429 | 446 | 446 | 430 | 399 | 357 |
| 1.75 | 318 | 354 | 382 | 396 | 396 | 382 | 356 | 320 |

Clearance Qty
Average PPFD 416.98 $\mu\text{mol s.m}^2$
Max PPFD 503 $\mu\text{mol s.m}^2$
Min PPFD 318 $\mu\text{mol s.m}^2$
Median PPFD 414 $\mu\text{mol s.m}^2$
Min/Average 76.26 %

| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 247 | 267 | 282 | 290 | 290 | 283 | 268 | 247 |
| -1.25 | 268 | 291 | 308 | 316 | 317 | 308 | 291 | 269 |
| -0.75 | 283 | 308 | 326 | 336 | 336 | 327 | 309 | 284 |
| -0.25 | 291 | 317 | 336 | 346 | 346 | 336 | 318 | 293 |
| 0.25 | 291 | 317 | 336 | 346 | 346 | 337 | 318 | 293 |
| 0.75 | 283 | 308 | 326 | 336 | 336 | 327 | 309 | 285 |
| 1.25 | 268 | 291 | 308 | 317 | 317 | 309 | 292 | 269 |
| 1.75 | 247 | 268 | 283 | 291 | 291 | 284 | 269 | 248 |

Clearance Qty
Average PPFD 301.25 $\mu\text{mol s.m}^2$
Max PPFD 346 $\mu\text{mol s.m}^2$
Min PPFD 247 $\mu\text{mol s.m}^2$
Median PPFD 300.5 $\mu\text{mol s.m}^2$
Min/Average 81.99 %

| ft | -1.75 | -1.25 | -0.75 | -0.25 | 0.25 | 0.75 | 1.25 | 1.75 |
|-------|-------|-------|-------|-------|------|------|------|------|
| -1.75 | 194 | 206 | 215 | 219 | 220 | 215 | 207 | 194 |
| -1.25 | 206 | 220 | 229 | 234 | 234 | 229 | 220 | 207 |
| -0.75 | 215 | 229 | 239 | 245 | 245 | 240 | 230 | 216 |
| -0.25 | 220 | 234 | 245 | 250 | 251 | 245 | 235 | 221 |
| 0.25 | 220 | 234 | 245 | 250 | 251 | 245 | 235 | 221 |
| 0.75 | 215 | 230 | 240 | 245 | 245 | 240 | 230 | 216 |
| 1.25 | 207 | 220 | 230 | 235 | 235 | 230 | 221 | 208 |
| 1.75 | 194 | 207 | 215 | 220 | 220 | 216 | 207 | 195 |

Clearance Qty
Average PPFD 225.48 $\mu\text{mol s.m}^2$
Max PPFD 251 $\mu\text{mol s.m}^2$
Min PPFD 194 $\mu\text{mol s.m}^2$
Median PPFD 225 $\mu\text{mol s.m}^2$
Min/Average 86.04 %