



MODEL: iLogic8

VOLTAGE: 100-277V

WATTS: 630W

SKU: IL-iLOGIC8

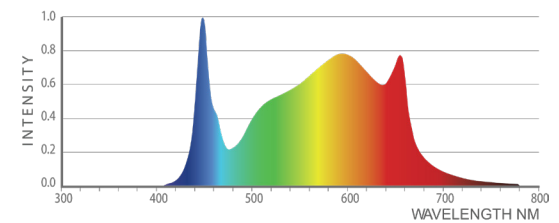
LED Lighting Solution

TECHNICAL SPECS

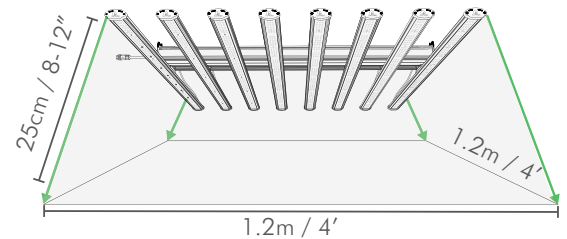
Rated Voltage	120-277V AC
Voltage Range (+/-10%)	100-277V
PPF	1700 $\mu\text{mol/s}$
Efficacy	2.7 $\mu\text{mol/J}$
Min Power Factor	0.95
THD	< 20%
Crest Factor	1.5
BTU	1200
Frequency	50 / 60Hz
Dimmable	0-10V Controllable
Ambient Temperature	0 - 35°C / 32-95°F
Relative Humidity	85%
Color Temperature	3900k
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



iLOGIC8 LED SPECTRUM

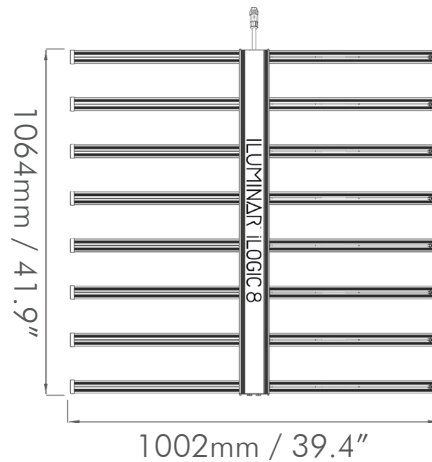


MOUNTING & COVERAGE



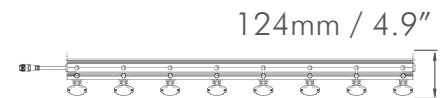
PHYSICAL SPECIFICATIONS

Length	1064 mm	41.9"
Width	1002 mm	39.4"
Height	124.3 mm	4.9"
Weight	20.8kg	50.3lbs



VOLTAGE AND AMPERAGE

120V	5.7A	652W
208V	3.2A	632.5W
240V	2.8A	631W
277V	2.4A	630W





PPFD MAP

Legend



ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	299	522	582	596	595	581	522	302
-1.25	651	1170	1283	1306	1305	1282	1171	657
-0.75	752	1341	1477	1506	1505	1475	1341	758
-0.25	774	1375	1517	1548	1548	1516	1375	780
0.25	775	1376	1518	1550	1549	1517	1376	781
0.75	754	1344	1481	1510	1509	1475	1344	760
1.25	656	1178	1292	1315	1315	1291	1178	662
1.75	307	534	596	610	610	595	534	309

Clearance 0.5 ft
Qty 1u
Average PPFD 1047.14 $\mu\text{mol s.m}^2$
Max PPFD 1550 $\mu\text{mol s.m}^2$
Min PPFD 299 $\mu\text{mol s.m}^2$
Median PPFD 1230 $\mu\text{mol s.m}^2$
Min/Average 28.55 %

ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	339	499	589	622	623	589	501	342
-1.25	536	807	951	1001	1001	951	810	541
-0.75	655	987	1164	1227	1227	1165	991	661
-0.25	701	1054	1243	1311	1311	1244	1058	707
0.25	701	1055	1244	1312	1312	1245	1058	707
0.75	657	990	1168	1230	1230	1168	994	663
1.25	540	813	958	1008	1008	958	816	545
1.75	345	507	598	632	632	598	508	347

Clearance 1 ft
Qty 1u
Average PPFD 858.67 $\mu\text{mol s.m}^2$
Max PPFD 1312 $\mu\text{mol s.m}^2$
Min PPFD 399 $\mu\text{mol s.m}^2$
Median PPFD 883.5 $\mu\text{mol s.m}^2$
Min/Average 39.48 %

ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	333	445	523	560	561	525	448	336
-1.25	460	624	737	789	790	739	628	464
-0.75	553	755	893	956	957	895	759	559
-0.25	598	817	967	1036	1037	970	822	604
0.25	599	818	968	1037	1038	970	823	605
0.75	555	757	896	959	960	898	762	560
1.25	463	628	742	794	795	744	632	467
1.75	336	450	528	566	566	530	452	339

Clearance 1.5 ft
Qty 1u
Average PPFD 693.39 $\mu\text{mol s.m}^2$
Max PPFD 1038 $\mu\text{mol s.m}^2$
Min PPFD 333 $\mu\text{mol s.m}^2$
Median PPFD 684.5 $\mu\text{mol s.m}^2$
Min/Average 48.02 %

ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	310	390	450	481	482	452	393	313
-1.25	397	506	587	629	629	589	510	402
-0.75	465	595	692	742	743	695	600	470
-0.25	501	642	748	802	803	751	647	507
0.25	502	643	749	803	804	752	648	507
0.75	467	597	695	745	745	697	602	472
1.25	400	509	590	632	633	593	512	404
1.75	313	394	454	486	486	456	396	316

Clearance 2 ft
Qty 1u
Average PPFD 561.33 $\mu\text{mol s.m}^2$
Max PPFD 804 $\mu\text{mol s.m}^2$
Min PPFD 310 $\mu\text{mol s.m}^2$
Median PPFD 549.5 $\mu\text{mol s.m}^2$
Min/Average 55.23 %

ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	252	294	327	344	345	328	297	255
-1.25	296	349	389	411	411	391	352	300
-0.75	331	391	437	462	463	439	394	335
-0.25	350	414	463	490	491	466	417	354
0.25	350	414	464	491	491	466	418	354
0.75	332	392	438	463	464	440	395	336
1.25	298	350	391	412	413	392	353	301
1.75	254	296	329	347	347	330	299	256

Clearance 3 ft
Qty 1u
Average PPFD 376.78 $\mu\text{mol s.m}^2$
Max PPFD 491 $\mu\text{mol s.m}^2$
Min PPFD 252 $\mu\text{mol s.m}^2$
Median PPFD 371.5 $\mu\text{mol s.m}^2$
Min/Average 66.88 %

ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	198	221	238	248	248	240	223	200
-1.25	222	249	269	280	281	271	251	224
-0.75	240	270	293	305	306	294	272	242
-0.25	250	281	305	318	319	307	284	252
0.25	250	282	306	319	319	307	284	252
0.75	240	271	293	306	306	295	273	243
1.25	223	250	270	282	282	272	252	225
1.75	199	222	240	249	250	241	224	201

Clearance 4 ft
Qty 1u
Average PPFD 262.95 $\mu\text{mol s.m}^2$
Max PPFD 319 $\mu\text{mol s.m}^2$
Min PPFD 198 $\mu\text{mol s.m}^2$
Median PPFD 260.5 $\mu\text{mol s.m}^2$
Min/Average 75.3 %

ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	154	168	178	183	183	178	169	156
-1.25	168	183	194	200	201	185	185	170
-0.75	178	194	206	213	213	207	196	180
-0.25	184	200	213	220	220	214	202	185
0.25	184	201	213	220	220	214	202	185
0.75	179	185	207	213	214	208	196	180
1.25	169	184	195	201	201	196	185	170
1.75	155	169	178	184	184	179	170	157

Clearance 5 ft
Qty 1u
Average PPFD 190.59 $\mu\text{mol s.m}^2$
Max PPFD 220 $\mu\text{mol s.m}^2$
Min PPFD 154 $\mu\text{mol s.m}^2$
Median PPFD 189.5 $\mu\text{mol s.m}^2$
Min/Average 80.8 %

ft	-1.75	-1.25	-0.75	-0.25	0.25	0.75	1.25	1.75
-1.75	122	130	136	139	139	136	131	123
-1.25	130	139	145	149	149	146	140	131
-0.75	136	145	152	156	156	153	146	137
-0.25	139	149	156	159	160	156	150	140
0.25	139	149	156	159	160	156	150	140
0.75	136	145	152	156	156	153	146	137
1.25	130	139	146	149	149	146	140	131
1.75	122	130	136	139	140	137	131	123

Clearance 6 ft
Qty 1u
Average PPFD 143.02 $\mu\text{mol s.m}^2$
Max PPFD 160 $\mu\text{mol s.m}^2$
Min PPFD 122 $\mu\text{mol s.m}^2$
Median PPFD 142.5 $\mu\text{mol s.m}^2$
Min/Average 85.3 %