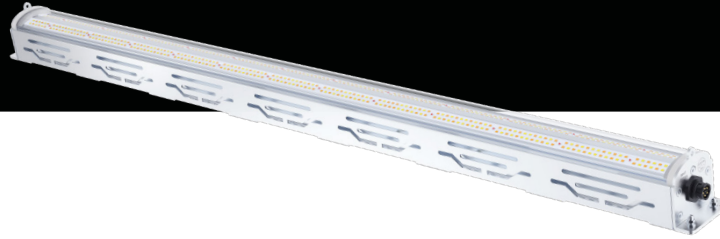


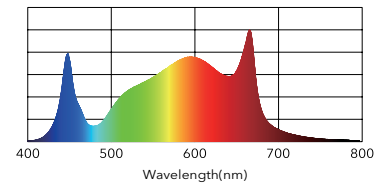
135W LED



135W LED test environments:

1. Coverage Area: 1.2m x1.2m=1.44m²
2. LED fixture is installed in darkroom, the distance from the light to the canopy:
20cm/30cm/40cm/50cm/60cm
3. Test Instrument: EVERFINE Specialized Plant Spectrum Analyzer PLA-20

Spectrum SQD



PPFD(umol/m²/s)---Height 0.2m(0.66')---Input Power 135W

14	18	21	23	21	16	15	11
35	53	59	56	53	49	41	29
110	171	191	184	172	164	131	89
389	601	634	602	552	586	551	339
352	551	599	572	577	549	501	302
107	153	173	178	167	160	139	87
33	46	53	56	56	53	44	31
13	17	19	20	20	18	16	11

Illumination (K Lx)---Height 0.2m(0.66')---put Power 135W

10	1	1	1	1	1	1	8
2	4	4	4	4	3	3	2
7	11	13	12	12	11	9	6
26	41	43	41	37	38	36	21
23	36	40	39	39	36	32	20
7	10	12	12	11	11	9	6
2	3	4	4	4	4	3	2
9	1	1	1	1	1	1	8

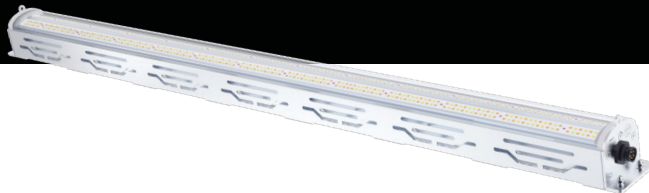
PPFD(umol/m²/s)---Height 0.3m(0.98')---Input Power 135W

27	35	41	41	39	36	30	23
61	80	95	95	93	85	70	50
134	193	214	223	215	192	162	111
267	390	429	431	410	381	340	217
268	390	432	434	421	390	340	218
132	181	210	215	209	195	158	111
59	78	88	93	91	83	60	50
28	35	41	43	41	38	31	24

Illumination (K Lx)---Height 0.3m(0.98')---Input Power 135W

34	56	68	71	70	66	54	32
46	77	92	96	94	88	72	44
51	84	101	105	103	97	80	49
49	81	98	103	101	94	79	48
51	81	99	103	102	96	80	51
50	89	100	105	104	97	84	49
45	76	92	95	93	88	73	46
34	55	66	68	66	62	51	33

135W LED



PPFD($\mu\text{mol}/\text{m}^2/\text{s}$)--Height 0.4m(1.31')--Input Power 135W

39	48	56	58	55	50	45	34
69	89	102	106	104	97	82	60
124	173	200	209	199	184	146	108
194	268	307	316	303	278	230	162
206	283	324	326	317	291	243	168
137	182	209	214	205	192	159	110
73	95	110	115	112	102	85	63
42	50	58	60	58	53	45	34

Illumination (K Lx)--Height 0.4m(1.31')--Input Power 135W

3	3	4	4	4	3	3	3
5	6	7	7	7	7	5	4
8	12	14	14	13	12	10	7
13	18	21	21	20	19	16	11
14	19	22	22	22	20	16	11
9	12	14	14	14	13	11	7
5	6	7	8	8	7	6	4
3	3	4	4	4	4	3	2

PPFD($\mu\text{mol}/\text{m}^2/\text{s}$)--Height 0.5m(1.64')--Input Power 135W

46	54	63	65	62	58	50	39
72	94	106	111	108	99	83	65
104	135	164	177	183	172	151	117
130	181	213	235	242	234	202	155
159	212	243	252	244	223	187	136
122	155	177	187	184	168	142	102
81	104	115	122	121	110	91	69
50	58	66	70	67	62	53	41

Illumination (K Lx)---Height 0.5m(1.64')--Input Power 135W

3	4	4	4	4	4	3	3
5	6	7	8	7	7	6	4
7	9	11	12	12	12	10	8
9	12	14	16	16	16	14	10
11	14	16	17	17	15	13	9
8	10	12	13	12	11	10	7
5	7	8	8	8	7	6	5
3	4	5	5	5	4	4	3

PPFD($\mu\text{mol}/\text{m}^2/\text{s}$)---Height 0.6m(1.96')--Input Power 135W

48	57	66	69	65	62	54	43
72	89	100	106	105	95	82	65
101	130	146	153	150	137	118	91
125	159	184	190	184	169	142	108
130	166	191	198	193	178	150	114
108	132	150	158	156	144	121	93
77	96	108	113	111	103	87	68
49	58	66	71	67	62	54	44

Illumination (K Lx)---Height 0.6m(1.96')--Input Power 135W

3	4	4	5	4	4	4	3
5	6	7	7	7	6	6	4
7	9	10	10	10	9	8	6
8	11	12	13	12	11	10	7
9	11	13	13	13	12	10	8
7	9	10	10	11	10	8	6
5	6	7	8	8	7	6	4
3	4	4	5	5	4	4	3