Universal Quality Lighting Products

55W MODUGrow Starter

Features

The MODUGrow Starter full spectrum grow light is designed for indoor horticulture starter growers on a budget

- Daisy chainable to any existing Modugrow light
- Passive cooling
- Simple refurbishment of LED module at end of life 50K hours (L70)
- Slim design
- Dimmable on standard rotary dimmer

Specifications

Electrical Specifications

Nominal Input Voltage: 200VAC - 250VAC

Power Input 55Watts **Power Factor** >0.90 Current @ 230VAC 0.3Amps Inrush current 0.3Amps Led Power 50Watts Power Supply Effeciency 90% Surge capability (L/N-Ground) 1Ka

Surge capability (L-N) 2Ka

Driver Life Span 50000h @ TC Point of 80°C 100000h @ TC Point of 70°C

Operating temperature (Ta): -40°C to +55°C

IP Rating IP52

LED Specification

LED Type 252 x Osram Duris E

Photosynthetic Photon Flux 100 µmol/s Osram Duris E

(µmol PAR/s):

PAR Photon Efficacy (µmol 2.4 µmol/J @ 65 mA Osram Duris E

PAR/J):

LED Colour 3500K Duris E

50000h L70 Life Span

Construction

Materials Aluminium 6063 T6, PMMA cover

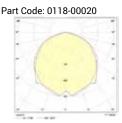
Brackets Stainless steel

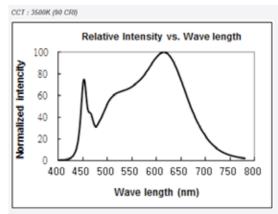
Length, Height, Width 315mm, 117mm, 121mm

Weight 1.2Kg





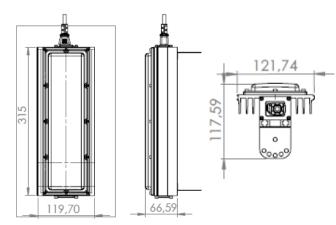




Light Output Specifications

PAR Photon Efficacy (µmol PAR/J): 2.0 µmol/J Photosynthetic Photon Flux (µmol PAR/s): 100 µmol/s

Warranty: 2 years





GROW LIGHTING

Universal Quality Lighting Products

55W MODUGrow Starter light PPFD maps



	20cm height reflective mylar grow tent 1.2m x 1.2m												
	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10cm	20cm	30cm	40cm	50cm	60cm	
-60cm	7.5	8.5	9.7	12	14	15	15	14	12	9.9	8.6	7.3	-60cm
-50cm	8.5	10	13	18	23	25	25	23	18	13	10	8.8	-50cm
-40cm	11	13	18	28	40	45	45	39	28	18	13	10	-40cm
-30cm	14	20	31	59	100	120	120	99	59	31	20	14	-30cm
-20cm	17	28	50	124	262	340	341	262	125	50	28	17	-20cm
-10cm	18	33	61	172	413	557	558	415	174	62	33	19	-10cm
10cm	19	33	62	173	416	561	562	417	174	62	33	19	10cm
20cm	17	28	50	125	265	345	345	266	126	51	29	17	20cm
30cm	14	20	32	61	102	124	124	103	61	32	20	14	30cm
40cm	11	14	19	29	41	47	47	41	29	19	14	11	40cm
50cm	9	11	13	18	24	27	27	24	19	13	11	9.2	50cm

8.3 8.9 11 13 16 17 17 16 13 11 8.9 8.1 60cc 50cm -50cm -40cm -30cm -20cm -10cm 10cm 20cm 30cm 40cm 50cm 60cm

30cm h	eight:	reflective	mylar	grow	tent	1.2m x	1.2m

	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10cm	20cm	30cm	40cm	50cm	60cm	
-60cm	15	16	19	23	27	28	28	27	23	19	16	14	-60cm
-50cm	17	20	24	31	39	42	42	39	31	24	19	16	-50cm
-40cm	20	25	32	45	59	65	65	59	45	32	24	20	-40cm
-30cm	26	34	48	78	113	130	130	113	78	48	34	25	-30cm
-20cm	30	45	68	125	202	241	241	203	126	69	45	30	-20cm
-10cm	32	50	78	152	257	311	312	258	153	79	50	33	-10cm
10 cm	32	50	78	152	258	313	313	259	153	79	50	33	10cm
20cm	30	45	68	126	204	243	244	205	127	69	45	31	20cm
30cm	26	35	48	79	115	132	133	116	80	49	35	25	30cm
40cm	20	25	33	46	60	67	67	61	46	33	25	20	40cm
50cm	17	20	25	33	40	44	44	41	33	25	20	17	50cm
60cm	16	17	20	25	28	30	30	28	25	20	17	15	60cm

40 cm height reflective mylar grow tent $1.2 \text{m} \times 1.2 \text{m}$

	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10cm	20cm	30cm	40cm	50cm	60cm	
-60cm	22	24	27	32	37	38	38	36	31	27	24	21	-60cm
-50cm	25	28	33	41	48	51	51	48	41	33	28	24	-50cm
-40cm	29	34	50	53	58	63	65	68	70	69	65	58	50
-30cm	35	44	56	79	103	114	114	103	80	57	43	34	-30cm
-20cm	40	53	71	108	149	168	168	149	109	72	53	40	-20cm
-10cm	42	57	78	122	172	195	196	173	123	79	58	42	-10cm
10cm	42	58	79	123	173	196	196	173	123	79	58	43	10cm
20cm	40	54	72	109	150	169	169	151	109	72	54	40	20cm
30cm	35	44	56	80	105	116	116	105	80	57	44	35	30cm
40cm	29	34	42	55	67	72	72	67	55	42	35	29	40cm
50cm	25	29	34	42	50	53	53	50	42	35	29	25	50cm
60cm	24	25	28	34	38	40	40	38	34	29	25	22	60cm
	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10cm	20cm	30cm	40cm	50cm	60cm	

2 lights 30cm spacing 30cm height no grow tent $1.2m \times 1.2m$

	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10cm	20cm	30cm	40cm	50cm	60cm	
-60cm	32	37	44	55	66	70	68	62	50	39	33	27	-60cm
-50cm	36	45	56	78	100	109	106	94	70	50	39	32	-50cm
-40cm	43	56	75	113	154	170	164	142	99	64	48	37	-40cm
-30cm	54	74	106	181	271	309	295	244	153	89	61	45	-30cm
-20cm	61	91	135	245	383	444	422	343	205	111	74	52	-20cm
-10cm	65	97	146	266	416	481	458	373	223	120	79	55	-10cm
10 cm	66	98	148	269	420	486	463	378	227	123	81	55	10cm
20cm	63	94	140	255	401	464	443	360	215	117	77	53	20cm
30cm	57	79	115	200	305	351	335	276	171	97	66	48	30cm
40cm	47	62	83	130	182	204	196	168	114	72	53	41	40cm
50cm	40	51	65	92	122	134	129	114	83	58	44	35	50cm
60cm	38	42	51	67	79	84	82	76	62	46	38	32	60cm
	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10 cm	20cm	30cm	40cm	50cm	60cm	

2 lights 30cm spacing 40cm height no grow tent $1.2m \times 1.2m$

	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10cm	20cm	30cm	40cm	50cm	60cm	
-60cm	46	52	60	72	83	87	86	80	66	55	47	40	-60cm
-50cm	53	62	74	94	112	118	116	106	86	67	56	46	-50cm
-40cm	60	74	91	121	150	161	157	141	110	81	65	53	-40cm
-30cm	72	91	116	166	216	235	228	201	149	103	79	61	-30cm
-20cm	81	106	140	207	277	304	295	257	184	123	91	70	-20cm
-10cm	84	113	150	224	301	331	320	279	199	131	96	74	-10cm
10cm	85	114	152	227	305	336	326	284	202	133	98	75	10cm
20cm	83	109	145	216	288	318	308	269	192	127	94	72	20cm
30cm	76	96	124	180	235	257	250	220	161	110	84	64	30cm
40cm	64	80	99	134	167	181	176	159	122	89	71	57	40cm
50cm	58	69	82	106	129	138	135	123	98	75	62	51	50cm
60cm	53	59	68	85	96	101	99	93	80	64	54	47	60cm
	-60cm	-50cm	-40cm	-30cm	-20cm	-10cm	10cm	20cm	30cm	40cm	50cm	60cm	

