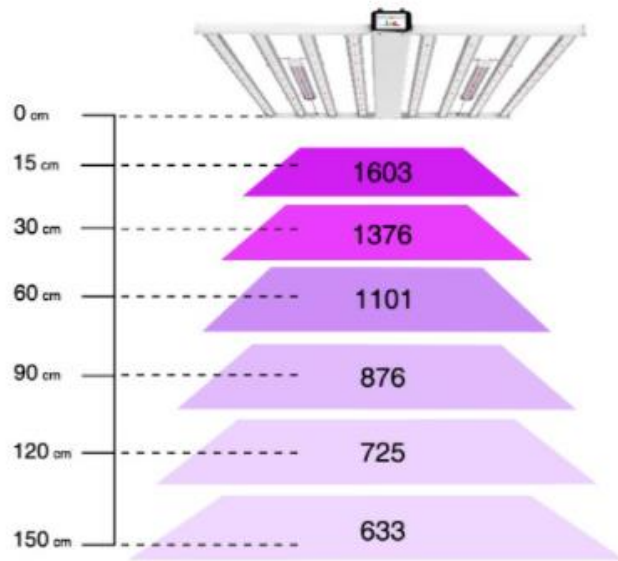


**CONTROL  
LED**  
HIGH PERFORMANCE LIGHTING.

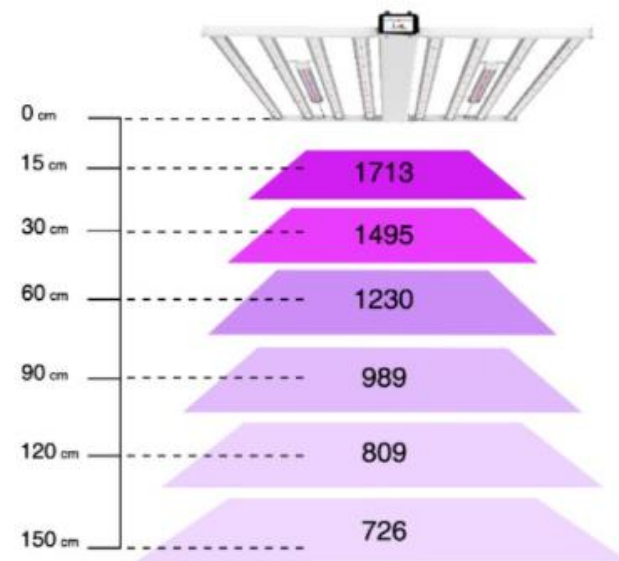


**DIO-TECH**  
**TECHNICAL INFO**

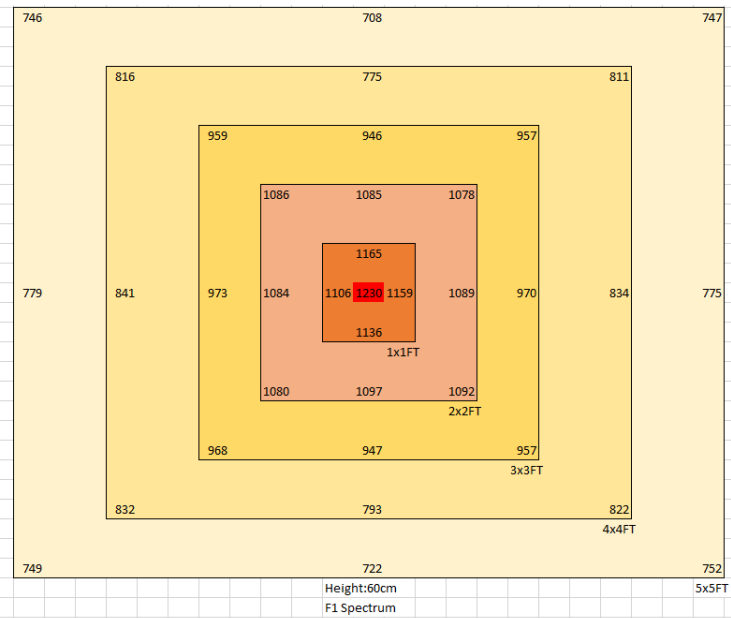
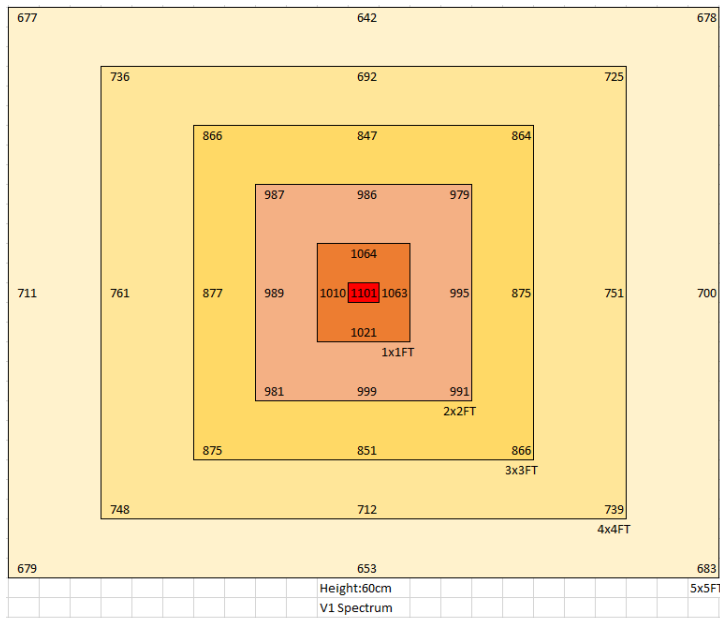
[WWW.CONTROL-LED.CO.UK](http://WWW.CONTROL-LED.CO.UK)



V1 Spectrum



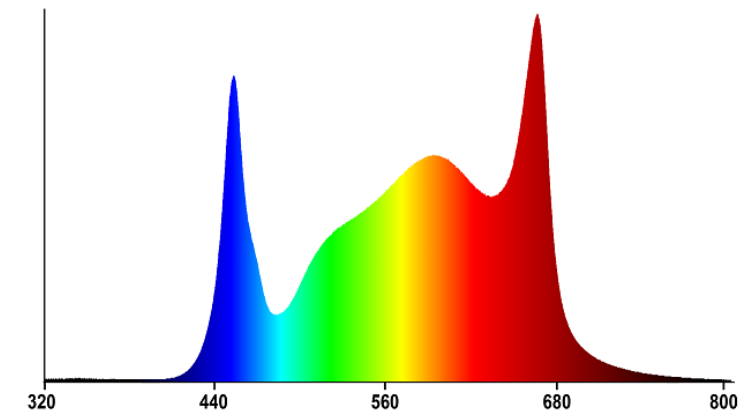
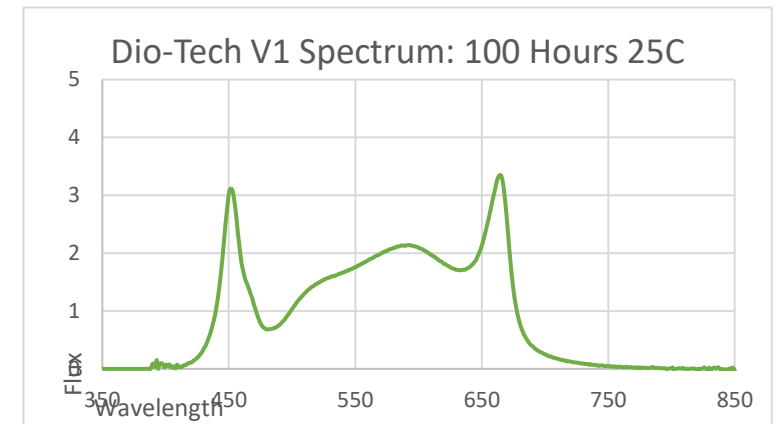
F1 Spectrum



# Dio-Tech Vegetative Spectrum (V1)

Input Power (W)	754	749	731
Efficacy ( $\mu\text{mol/W}$ )	2.9	2.9	2.8
Current (A)	3.2	3.18	3.1
Total Flux ( $\phi$ )	451	445	431
Micromoles ( $\mu\text{mol}$ )	2155	2135	2060
Seasoned (h)	100	Zero Hours	100
Ambient (C)	25	25 - 35	50

Derived Data	Scan 27	Scan 1	Scan 5
Parameter			
Date	17/11/2021	12/11/2021	16/11/2021
Radiant Flux (Watts)	450.8	445.5	431.4
Luminous Flux (lumens)	128600	127600	122400
Scotopic Luminous Flux (lm')	225700	220800	218300
Chromaticity x coord	0.3763	0.38	0.3726
Chromaticity y coord	0.3593	0.36	0.3572
Chromaticity u coord	0.2295	0.23	0.2278
Chromaticity v coord	0.3287	0.33	0.3276
Delta uv	0.0072	0.01	0.0076
Chromaticity u' coord	0.2295	0.23	0.2278
Chromaticity v' coord	0.493	0.49	0.4915
Peak Wavelength (nm)	664.3	664.4	452.8
Center Wavelength (nm)	607.5	607.7	454.5
Centroid Wavelength (nm)	571.7	573.2	571.1
Dominant Wavelength (nm)	584.3	583.9	584.2
Full Width Half Max Bandwidth (nm)	131.9	131.7	21.6
Excitation Purity (%)	20.7	22.5	19
Correlated Color Temperature (deg. K)	3980	3914	4077



# Dio-Tech Flowering Spectrum (F1)

Input Power (W)	848	844	813
Efficacy ( $\mu\text{mol/W}$ )	2.7	2.7	2.7
Current (A)	3.59	3.57	3.44
Total Flux ( $\phi$ )	482	473	461
Micromoles ( $\mu\text{mol}$ )	2330	2293	2224
Seasoned (h)	100	25 - 35	100
Ambient (C)	25	Zero Hours	50

Derived Data			
Parameter	Scan 31	Scan 1	Scan 6
Date	17/11/2021	12/11/2021	16/11/2021
Radiant Flux (Watts)	482.1	473	460.9
Luminous Flux (lumens)	130200	127000	123700
Scotopic Luminous Flux ( $\text{lm}'$ )	225300	219000	218300
Chromaticity x coord	0.3823	0.38	0.3773
Chromaticity y coord	0.3582	0.36	0.356
Chromaticity u coord	0.2341	0.23	0.2316
Chromaticity v coord	0.3289	0.33	0.3277
Delta uv	0.0098	0.01	0.0092
Chromaticity u' coord	0.2341	0.23	0.2316
Chromaticity v' coord	0.4934	0.49	0.4916
Peak Wavelength (nm)	665.3	667.2	668.5
Center Wavelength (nm)	659.6	660.7	661.1
Centroid Wavelength (nm)	577.9	579.4	577.1
Dominant Wavelength (nm)	586.5	586	586.3
Full Width Half Max Bandwidth (nm)	30.4	32.6	34.5
Excitation Purity (%)	22.2	22.8	20.1
Correlated Color Temperature (deg. K)	3793	3787	3922

Dio-Tech F1 Spectrum: 100 Hours 25C

