

Lightsource Test Report

Product Information

Product Category: LED Growlight	Product Type: LED-Grow
Product Spec: LED-Grow-Sanlight-Q5W-205W	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 104133
Buyer: 9623 - 20874	

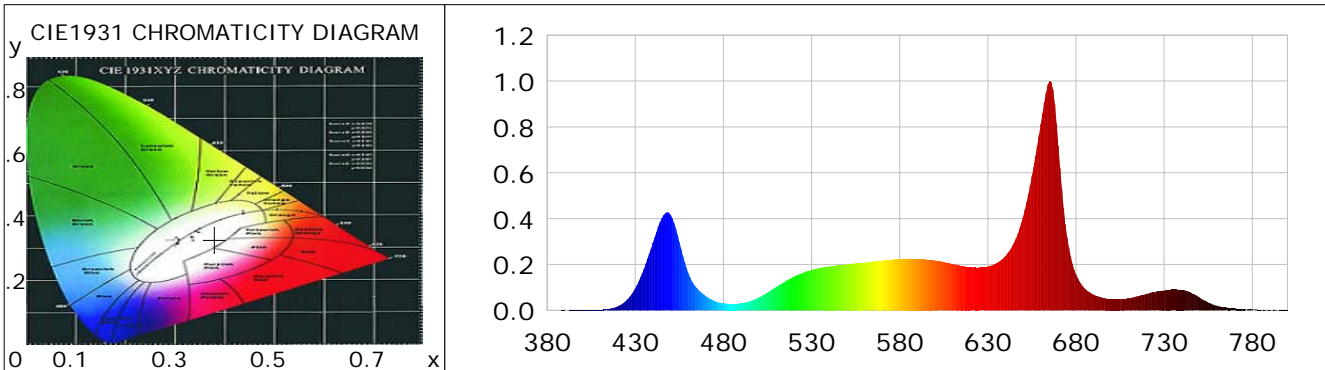
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3797$ $y=0.3268$ $u(u')=0.2465$ $v=0.3182$ $v'=0.4773$
 CCT: $T_c=3555K$ ($duv=-0.02502$) Color Ratio: $R=0.223$ $G=0.750$ $B=0.027$
 Peak Wavelength: 665.3nm Half Bandwidth: 19.6nm
 Dominant Wavelength: 641.8nm Color Purity: 0.120
 CRI: $R_a=86.0$ TM30: $R_f=74$, $R_g=115$
 GAI: $GAI_BB_8=155.5$, $GAI_BB_15=153.7$, $GAI_EES=110.0$

R1 =96	R2 =93	R3 =78	R4 =85	R5 =96	R6 =84	R7 =82	R8 =73
R9 =43	R10=82	R11=86	R12=74	R13=95	R14=86	R15=81	

Color Quality Scale: $Q_a=78.7$, $Q_f=69.8$, $Q_p=96.6$, $Q_g=120.1$

Q1 =97	Q2 =82	Q3 =59	Q4 =66	Q5 =82	Q6 =79	Q7 =77	Q8 =94
Q9 =82	Q10=75	Q11=74	Q12=79	Q13=87	Q14=97	Q15=94	



Photometric Parameters

Luminous Flux: 28764 lm	Efficiency: 131.61 lm/W	Radiant Power: 133.294 W
Total mains efficacy: 154.77 lm/W	Energy Efficiency Class: D (EU 2019/2015)	

Electric Parameters

Voltage: 230.90V	Current: 0.9580A	Power: 218.56W
Power Factor: 0.9870	Frequency: 49.99Hz	

Test Information

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms ALC.: 1.0000	Photometric Condition: Sphere diameter: 2.00m, 4PI
Max of Signal: 45677 (2383)	CCD Integration Time: 6.41 ms