

Lightsource Test Report

Product Information

Product Category: LED Growlight	Product Type: LED-Grow
Product Spec: LED-Grow-Sanlight-Q4W-165W	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 104127
Buyer: 9623 - 20874	

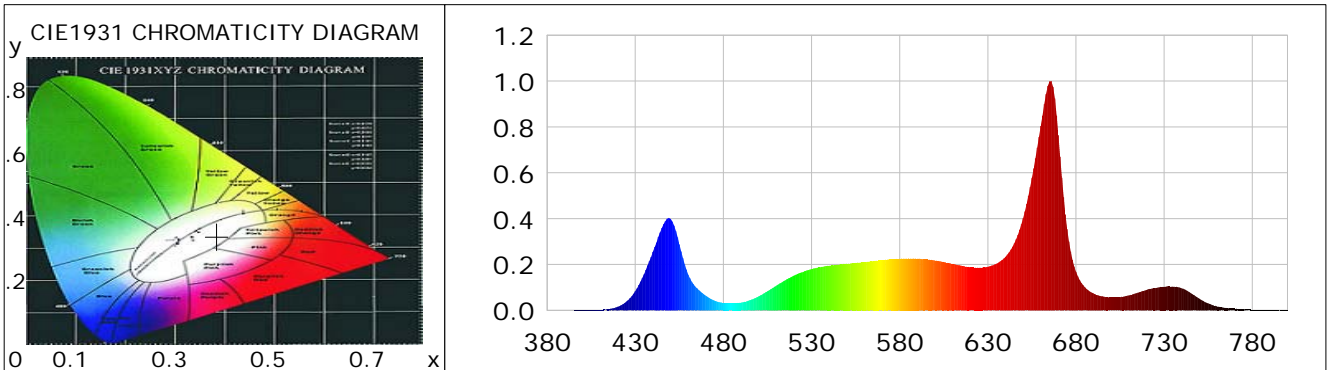
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3843$ $y=0.3369$ $u(u')=0.2450$ $v=0.3222$ $v'=0.4833$
 CCT: $T_c=3527K$ ($duv=-0.02084$) Color Ratio: $R=0.221$ $G=0.753$ $B=0.027$
 Peak Wavelength: 665.5nm Half Bandwidth: 19.9nm
 Dominant Wavelength: 625.4nm Color Purity: 0.164
 CRI: $R_a=86.6$ TM30: $R_f=76$, $R_g=114$
 GAI: $GAI_BB_8=148.9$, $GAI_BB_15=148.2$, $GAI_EES=104.5$

R1 =98	R2 =93	R3 =79	R4 =86	R5 =96	R6 =83	R7 =82	R8 =74
R9 =48	R10=81	R11=87	R12=72	R13=96	R14=87	R15=83	

Color Quality Scale: $Q_a=80.6$, $Q_f=72.4$, $Q_p=96.8$, $Q_g=118.3$

Q1 =97	Q2 =84	Q3 =62	Q4 =69	Q5 =83	Q6 =80	Q7 =78	Q8 =93
Q9 =84	Q10=77	Q11=77	Q12=81	Q13=89	Q14=97	Q15=95	



Photometric Parameters

Luminous Flux: 21665 lm	Efficiency: 124.00 lm/W	Radiant Power: 99.984 W
Total mains efficacy: 145.82 lm/W	Energy Efficiency Class: D (EU 2019/2015)	

Electric Parameters

Voltage: 230.90V	Current: 0.7690A	Power: 174.72W
Power Factor: 0.9820	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: 45965 (2387)	CCD Integration Time: 8.67 ms