

Lightsource Test Report

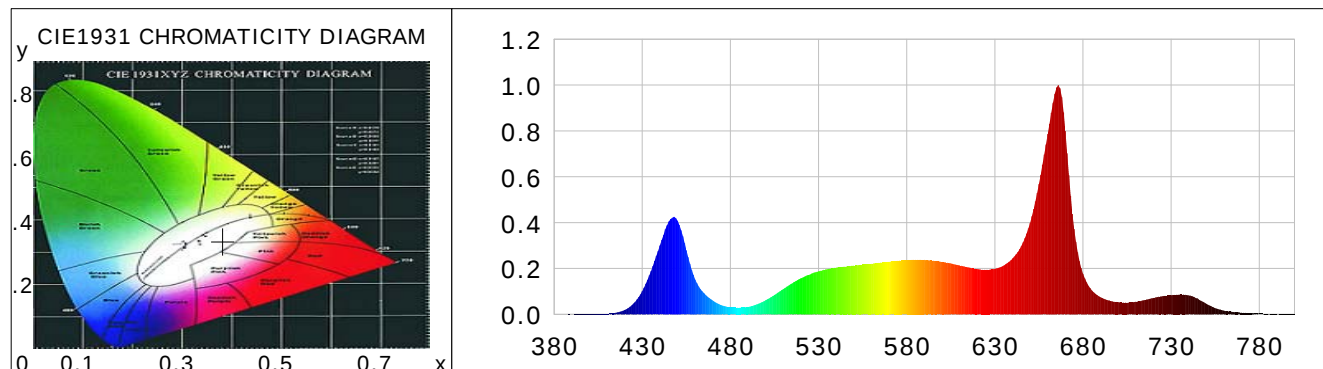
Product Information

Product Category: LED Growlight
Product Spec: LED-Grow-Sanlight-Q6W-245W
Manufacturer: METOLIGHT
Buyer: 9623 - 20874

Product Type: LED-Grow
Product Number: 1
Submitted Unit: 104138

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3824$ $y=0.3345$ $u(u')=0.2448$ $v=0.3211$ $v'=0.4817$
CCT: $T_c=3556K$ ($duv=-0.02165$) Color Ratio: $R=0.219$ $G=0.755$ $B=0.026$
Peak Wavelength: 665.9nm Half Bandwidth: 20.0nm
Dominant Wavelength: 607.9nm Color Purity: 0.151
CRI: $R_a=86.3$ TM30: $R_f=74$, $R_g=114$
GAI: $GAI_BB_8=149.0$, $GAI_BB_15=147.9$, $GAI_EES=105.4$
 $R1=99$ $R2=92$ $R3=78$ $R4=85$ $R5=96$ $R6=82$ $R7=82$ $R8=76$
 $R9=54$ $R10=79$ $R11=86$ $R12=71$ $R13=96$ $R14=86$ $R15=85$
Color Quality Scale: $Q_a=79.4$, $Q_f=71.2$, $Q_p=95.6$, $Q_g=118.1$
 $Q1=99$ $Q2=83$ $Q3=61$ $Q4=67$ $Q5=82$ $Q6=79$ $Q7=77$ $Q8=93$
 $Q9=83$ $Q10=76$ $Q11=75$ $Q12=79$ $Q13=88$ $Q14=98$ $Q15=94$



Photometric Parameters

Luminous Flux: 32341 lm Efficiency: 121.52 lm/W Radiant Power: 146.215 W
Total mains efficacy: 142.90 lm/W Energy Efficiency Class: D (EU 2019/2015)

Electric Parameters

Voltage: 230.30V Current: 1.1630A Power: 266.15W
Power Factor: 0.9930 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: 45595 (2376) CCD Integration Time: 6.05 ms