

Lightsource Test Report

Product Information

Product Spec: FG 55 100W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3429$ $y=0.3552$ $u(u')=0.2086$ $v=0.3241$ $v'=0.4861$

CCT: $T_c=5096K$ ($duv=0.00267$)

Color Ratio: $R=0.154$ $G=0.798$ $B=0.048$

Peak Wavelength: 455.0nm

Half Bandwidth: 21.7nm

Dominant Wavelength: 568.7nm

Color Purity: 0.095

CRI: $R_a=84.2$

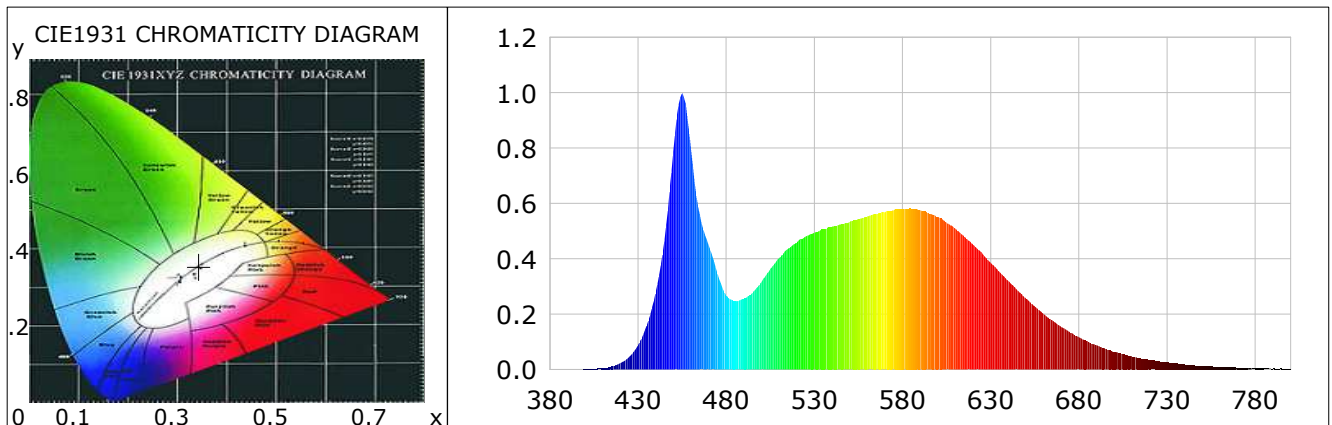
$R1=83$ $R2=87$ $R3=88$ $R4=86$ $R5=82$ $R6=80$ $R7=92$ $R8=75$

$R9=19$ $R10=66$ $R11=85$ $R12=49$ $R13=84$ $R14=93$ $R15=81$

Color Quality Scale: $Q_a=80.2$, $Q_f=80.6$, $Q_p=78.9$, $Q_g=90.0$

$Q1=82$ $Q2=97$ $Q3=78$ $Q4=69$ $Q5=73$ $Q6=76$ $Q7=84$ $Q8=91$

$Q9=96$ $Q10=88$ $Q11=82$ $Q12=81$ $Q13=81$ $Q14=73$ $Q15=77$



Photometric Parameters

Luminous Flux: 13773.79 lm Efficiency: 140.25 lm/W

Radiant Power: 42.631 W

Electric Parameters

Voltage: 220.90V

Current: 0.4520A

Power: 98.21W

Power Factor: 0.9850

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45256 (2782)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 40.45 ms

Condition: $T_x=21.4^{\circ}C$, $T_i=22.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-02-14 10:24:19

Inspector: