

Lightsource Test Report

Product Infomation

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

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3443$ $y=0.3573$ $u(u')=0.2087$ $v=0.3249$ $v'=0.4873$

CCT: $T_c=5048K$ ($duv=0.00315$)

Color Ratio: $R=0.154$ $G=0.800$ $B=0.046$

Peak Wavelength: 454.3nm

Half Bandwidth: 19.8nm

Dominant Wavelength: 569.1nm

Color Purity: 0.106

CRI: R_a : $R_a=83.6$

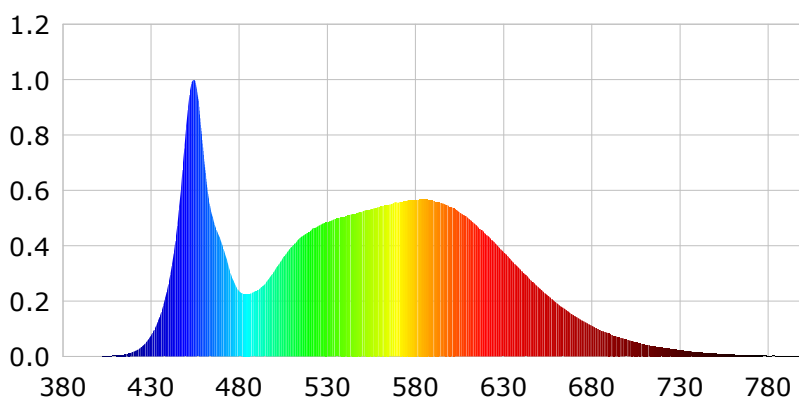
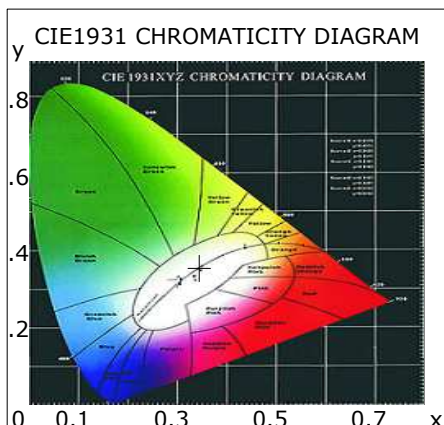
$R1=82$ $R2=86$ $R3=87$ $R4=87$ $R5=82$ $R6=79$ $R7=92$ $R8=74$

$R9=16$ $R10=64$ $R11=85$ $R12=47$ $R13=83$ $R14=92$ $R15=80$

Color Quality Scale: $Q_a=80.1$, $Q_f=80.4$, $Q_p=78.9$, $Q_g=90.0$

$Q1=82$ $Q2=98$ $Q3=77$ $Q4=68$ $Q5=74$ $Q6=77$ $Q7=84$ $Q8=91$

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



Photometric Parameters

Luminous Flux: 7873.71 lm

Efficiency: 146.05 lm/W

Radiant Power: 24.139 W

Electric Parameters

Voltage: 221.30V

Current: 0.2470A

Power: 53.91W

Power Factor: 0.9860

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45233 (3027)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 63.36 ms

Condition: $T_x=24.6^{\circ}C$, $T_i=23.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-02-15 13:24:40

Inspector: