

Lightsource Test Report

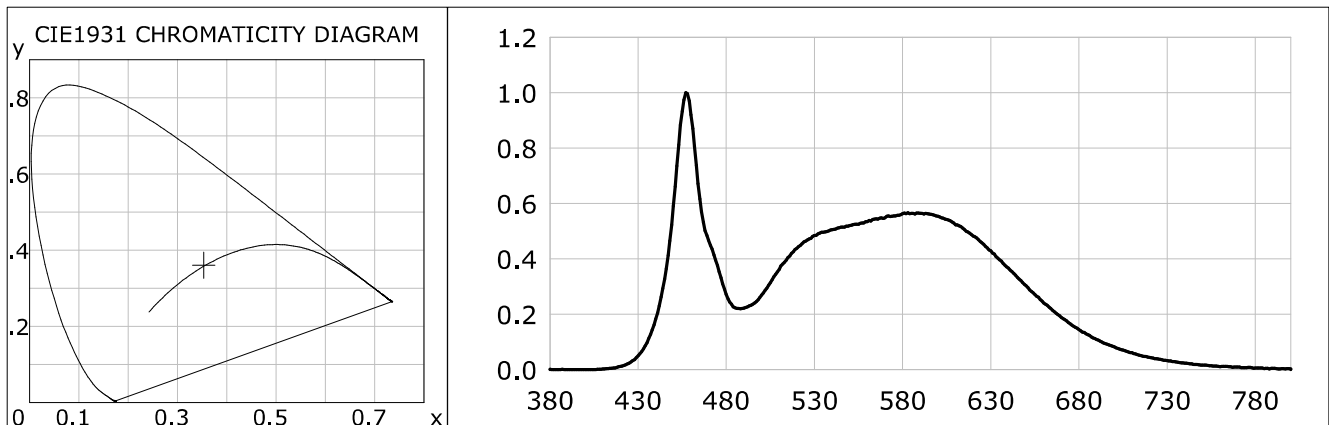
Product Information

Product Spec: FG 55 46W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3538$ $y=0.3608$ $u(u')=0.2137$ $v=0.3269$ $v'=0.4904$
CCT: $T_c=4822K$ ($duv=0.00119$) Color Ratio: $R=0.167$ $G=0.787$ $B=0.047$
Peak Wavelength: 457.4nm Half Bandwidth: 19.6nm
Dominant Wavelength: 574.5nm Color Purity: 0.144
CRI: $R_a=84.5$ TM30: $R_f=79$, $R_g=92$
 $R1=84$ $R2=92$ $R3=95$ $R4=80$ $R5=82$ $R6=86$ $R7=87$ $R8=70$
 $R9=22$ $R10=78$ $R11=78$ $R12=53$ $R13=87$ $R14=97$ $R15=80$
Color Quality Scale: $Q_a=82.2$, $Q_f=82.4$, $Q_p=81.2$, $Q_g=91.1$
 $Q1=81$ $Q2=97$ $Q3=80$ $Q4=71$ $Q5=75$ $Q6=78$ $Q7=84$ $Q8=89$
 $Q9=97$ $Q10=91$ $Q11=86$ $Q12=86$ $Q13=86$ $Q14=77$ $Q15=79$



Photometric Parameters

Luminous Flux: 5787.41 lm
EEI: 0.11

Efficiency: 124.57 lm/W

Radiant Power: 18.125 W

Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 221.50V
Power Factor: 0.9600

Current: 0.2180A
Frequency: 49.99Hz

Power: 46.46W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45497 (3152)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 85.32 ms

Condition: $T_x=26.6^{\circ}C$, $T_i=27.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-08-22 15:08:53
Inspector: