

Lightsource Test Report

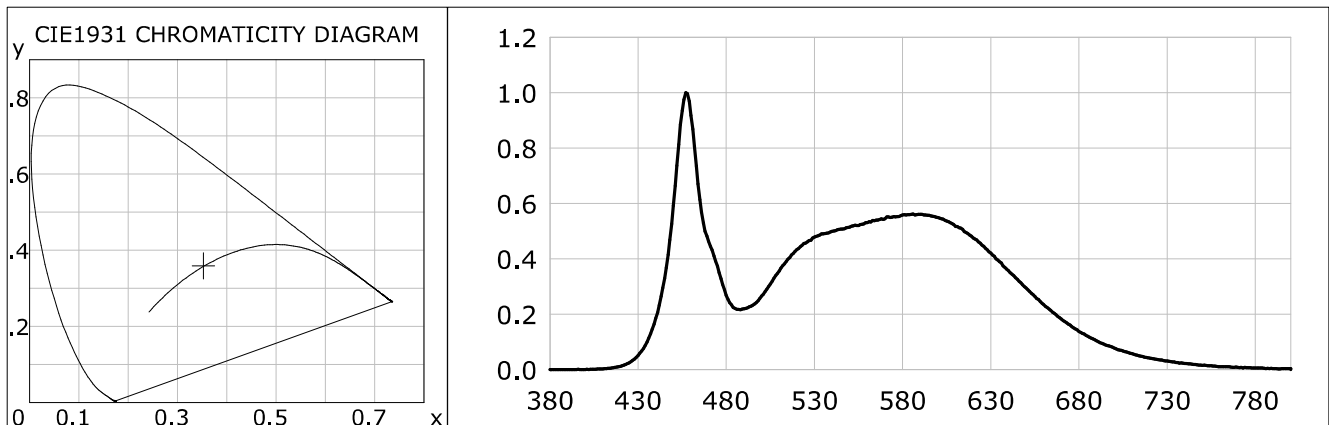
Product Infomation

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

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3530$ $y=0.3596$ $u(u')=0.2136$ $v=0.3265$ $v'=0.4897$
CCT: $T_c=4843K$ ($duv=0.00091$) Color Ratio: $R=0.166$ $G=0.787$ $B=0.047$
Peak Wavelength: 457.4nm Half Bandwidth: 19.4nm
Dominant Wavelength: 574.5nm Color Purity: 0.139
CRI: $R_a=84.2$ TM30: $R_f=79$, $R_g=92$
 $R1=84$ $R2=92$ $R3=95$ $R4=80$ $R5=82$ $R6=86$ $R7=86$ $R8=70$
 $R9=21$ $R10=78$ $R11=78$ $R12=53$ $R13=87$ $R14=97$ $R15=79$
Color Quality Scale: $Q_a=81.9$, $Q_f=82.1$, $Q_p=80.9$, $Q_g=91.0$
 $Q1=81$ $Q2=97$ $Q3=79$ $Q4=70$ $Q5=75$ $Q6=77$ $Q7=84$ $Q8=89$
 $Q9=97$ $Q10=90$ $Q11=86$ $Q12=85$ $Q13=85$ $Q14=76$ $Q15=79$



Photometric Parameters

Luminous Flux: 6845.28 lm
EEI: 0.09

Efficiency: 147.27 lm/W

Radiant Power: 21.410 W

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

Electric Parameters

Voltage: 221.50V
Power Factor: 0.9600

Current: 0.2180A
Frequency: 49.99Hz

Power: 46.48W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45113 (3127)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 71.51 ms

Condition: $T_x=26.4^{\circ}C$, $T_i=26.5^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-08-22 15:02:32
Inspector: