

Lightsource Test Report

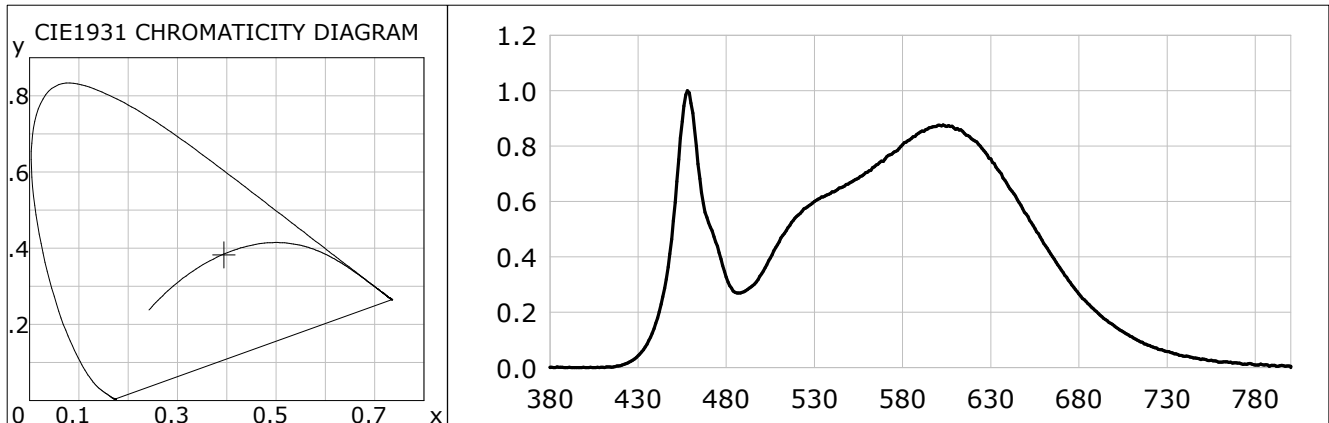
Product Infomation

Product Spec: FG 60 40W 4000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3943$ $y=0.3827$ $u(u')=0.2318$ $v=0.3375$ $v'=0.5062$
CCT: $T_c=3690K$ ($duv=-0.00099$) Color Ratio: $R=0.202$ $G=0.760$ $B=0.038$
Peak Wavelength: 458.1nm Half Bandwidth: 22.1nm
Dominant Wavelength: 580.7nm Color Purity: 0.332
CRI: $R_a=87.2$ TM30: $R_f=82$, $R_g=94$
 $R1=87$ $R2=95$ $R3=97$ $R4=84$ $R5=86$ $R6=91$ $R7=86$ $R8=71$
 $R9=33$ $R10=86$ $R11=83$ $R12=64$ $R13=90$ $R14=99$ $R15=83$
Color Quality Scale: $Q_a=85.6$, $Q_f=85.8$, $Q_p=85.2$, $Q_g=93.5$
 $Q1=84$ $Q2=96$ $Q3=84$ $Q4=77$ $Q5=81$ $Q6=83$ $Q7=88$ $Q8=91$
 $Q9=98$ $Q10=93$ $Q11=89$ $Q12=88$ $Q13=88$ $Q14=81$ $Q15=82$



Photometric Parameters

Luminous Flux: 4539.66 lm Efficiency: 113.98 lm/W Radiant Power: 14.254 W
EEI: 0.12 Energy Efficiency Class: A+ (EU 874-2012)
PAR: 13.856 W PPF: 65.718 $\mu\text{mol/s}$ R/B: 1.8

Electric Parameters

Voltage: 221.70V Current: 0.1820A Power: 39.83W
Power Factor: 0.9850 Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 44712 (3631)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 161.06 ms

Condition: $T_x=30.8^\circ\text{C}$, $T_i=30.0^\circ\text{C}$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-08-21 15:49:46
Inspector: