

Lightsource Test Report

Product Infomation

Product Spec: FG 595 48W 4000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3784$ $y=0.3805$ $u(u')=0.2223$ $v=0.3353$ $v'=0.5029$

CCT: $T_c=4082K$ ($duv=0.00236$)

Color Ratio: $R=0.181$ $G=0.780$ $B=0.038$

Peak Wavelength: 452.3nm

Half Bandwidth: 19.9nm

Dominant Wavelength: 577.5nm

Color Purity: 0.278

CRI: R_a : $R_a=84.4$

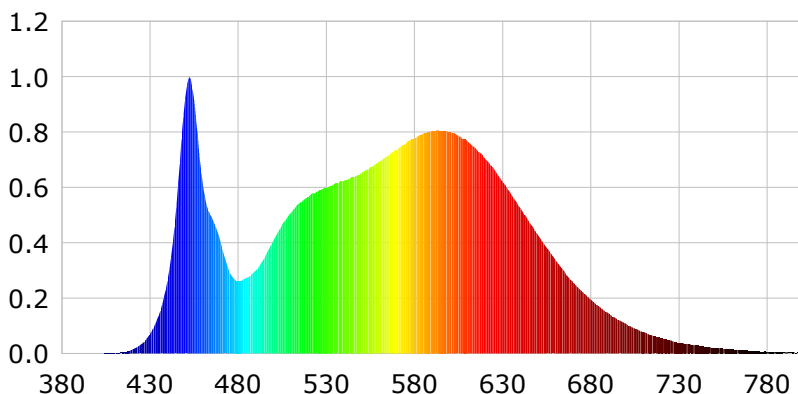
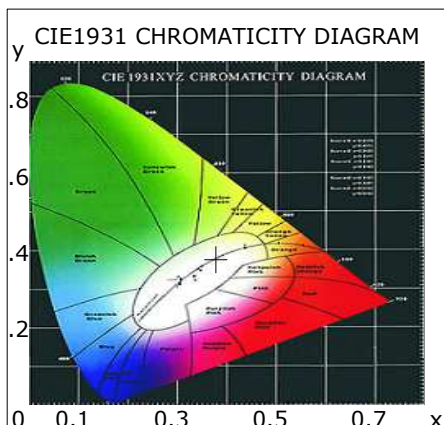
$R1=83$ $R2=91$ $R3=96$ $R4=83$ $R5=83$ $R6=87$ $R7=86$ $R8=66$

$R9=14$ $R10=78$ $R11=82$ $R12=61$ $R13=85$ $R14=98$ $R15=77$

Color Quality Scale: $Q_a=84.3$, $Q_f=84.6$, $Q_p=83.2$, $Q_g=91.9$

$Q1=82$ $Q2=97$ $Q3=82$ $Q4=78$ $Q5=82$ $Q6=84$ $Q7=87$ $Q8=90$

$Q9=98$ $Q10=92$ $Q11=88$ $Q12=87$ $Q13=86$ $Q14=75$ $Q15=78$



Photometric Parameters

Luminous Flux: 5902.77 lm

Efficiency: 123.41 lm/W

Radiant Power: 17.897 W

Electric Parameters

Voltage: 221.20V

Current: 0.2210A

Power: 47.83W

Power Factor: 0.9800

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45347 (2895)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 117.00 ms

Condition: $T_x=22.4^{\circ}C$, $T_i=22.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-02-13 12:02:18

Inspector: