

Lightsource Test Report

Product Infomation

Product Spec: FG 595 0,3A 38W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3389$ $y=0.3527$ $u(u')=0.2068$ $v=0.3228$ $v'=0.4843$

CCT: $T_c=5065K$ ($duv=0.00307$)

Color Ratio: $R=0.148$ $G=0.807$ $B=0.045$

Peak Wavelength: 452.3nm

Half Bandwidth: 19.2nm

Dominant Wavelength: 564.9nm

Color Purity: 0.075

CRI: R_a : $R_a=82.4$

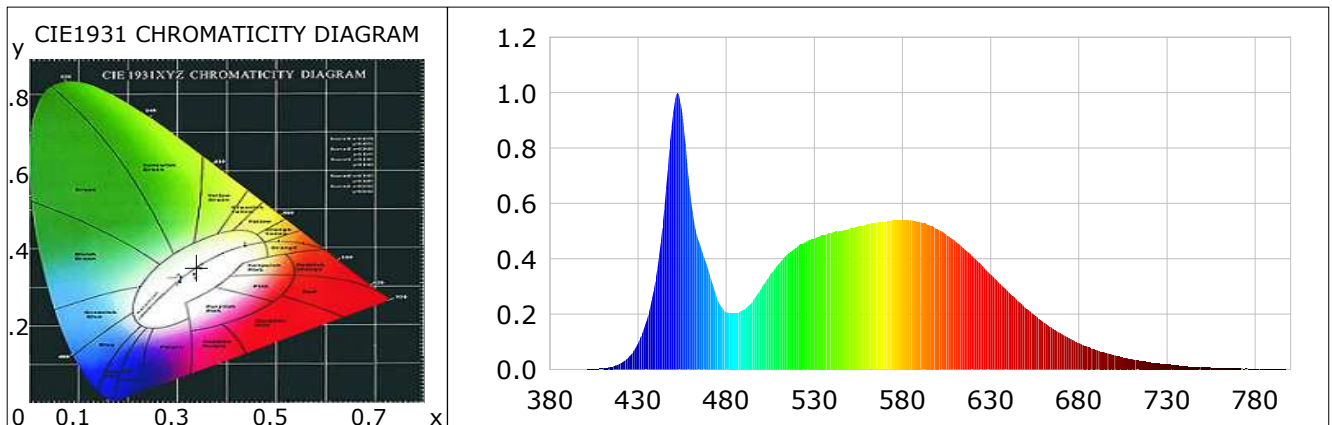
$R1=81$ $R2=84$ $R3=84$ $R4=87$ $R5=81$ $R6=76$ $R7=91$ $R8=74$

$R9=11$ $R10=60$ $R11=85$ $R12=46$ $R13=81$ $R14=91$ $R15=79$

Color Quality Scale: $Q_a=79.2$, $Q_f=79.4$, $Q_p=78.8$, $Q_g=90.3$

$Q1=83$ $Q2=98$ $Q3=75$ $Q4=67$ $Q5=74$ $Q6=78$ $Q7=84$ $Q8=90$

$Q9=95$ $Q10=85$ $Q11=80$ $Q12=79$ $Q13=79$ $Q14=71$ $Q15=76$



Photometric Parameters

Luminous Flux: 5491.40 lm

Efficiency: 145.43 lm/W

Radiant Power: 16.785 W

Electric Parameters

Voltage: 231.80V

Current: 0.1650A

Power: 37.76W

Power Factor: 0.9850

Frequency: 50.00Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45742 (2880)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 111.82 ms

Condition: $T_x=22.0^{\circ}C$, $T_i=21.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-01-30 13:58:31

Inspector: