

Lightsource Test Report

Product Infomation

Product Spec: FG 595 0,3A 36W 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: $T_c=5018K$ ($duv=0.00307$)

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 : $R_a=82.4$

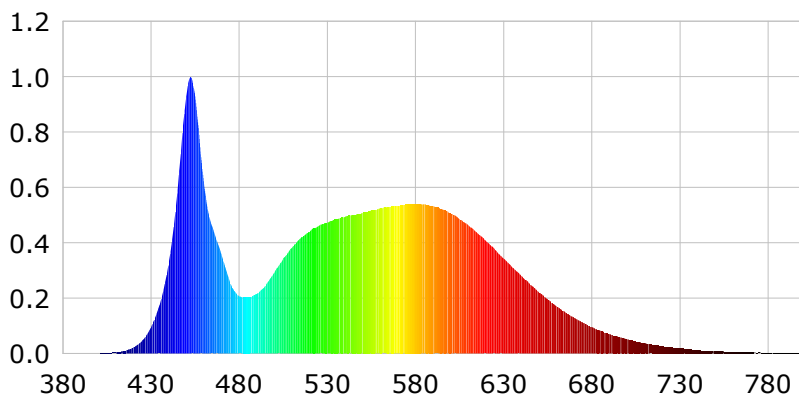
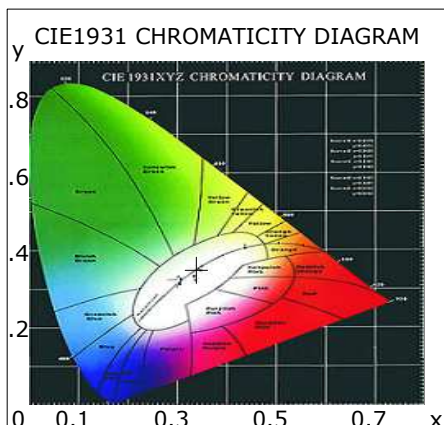
$R_1=81$ $R_2=84$ $R_3=84$ $R_4=87$ $R_5=81$ $R_6=76$ $R_7=91$ $R_8=74$

$R_9=11$ $R_{10}=60$ $R_{11}=85$ $R_{12}=46$ $R_{13}=81$ $R_{14}=91$ $R_{15}=79$

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

$Q_1=83$ $Q_2=98$ $Q_3=75$ $Q_4=67$ $Q_5=74$ $Q_6=78$ $Q_7=84$ $Q_8=90$

$Q_9=95$ $Q_{10}=85$ $Q_{11}=80$ $Q_{12}=79$ $Q_{13}=79$ $Q_{14}=71$ $Q_{15}=76$



Photometric Parameters

Luminous Flux: 4736.56 lm

Efficiency: 131.10 lm/W

Radiant Power: 14.478 W

Electric Parameters

Voltage: 231.80V

Current: 0.1580A

Power: 36.13W

Power Factor: 0.9840

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: