

Lightsource Test Report

Product Infomation

Product Spec: FG 250 30W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3837$ $y=0.3859$ $u(u')=0.2236$ $v=0.3373$ $v'=0.5060$

CCT: $T_c=4979K$ ($duv=0.00326$)

Color Ratio: $R=0.180$ $G=0.783$ $B=0.037$

Peak Wavelength: 454.8nm

Half Bandwidth: 21.0nm

Dominant Wavelength: 577.5nm

Color Purity: 0.310

CRI: R_a : $R_a=81.8$

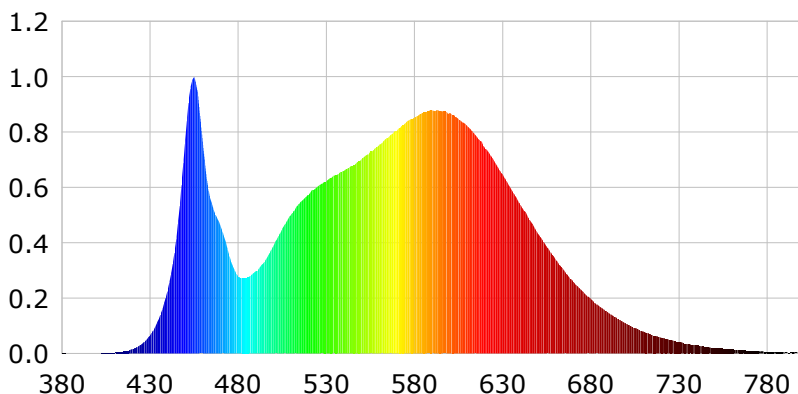
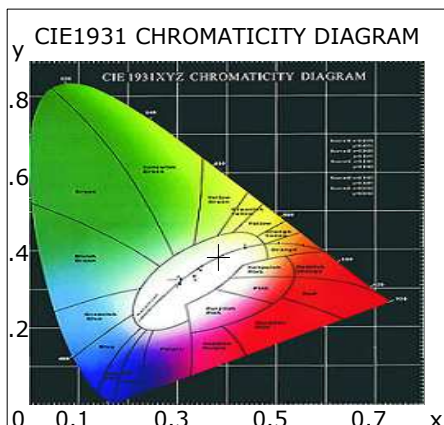
$R1=80$ $R2=89$ $R3=96$ $R4=79$ $R5=79$ $R6=85$ $R7=84$ $R8=62$

$R9=2$ $R10=75$ $R11=77$ $R12=57$ $R13=82$ $R14=98$ $R15=73$

Color Quality Scale: $Q_a=81.8$, $Q_f=82.4$, $Q_p=79.9$, $Q_g=89.7$

$Q1=79$ $Q2=97$ $Q3=81$ $Q4=75$ $Q5=78$ $Q6=80$ $Q7=83$ $Q8=88$

$Q9=97$ $Q10=91$ $Q11=87$ $Q12=85$ $Q13=84$ $Q14=71$ $Q15=75$



Photometric Parameters

Luminous Flux: 3944.58 lm

Efficiency: 129.42 lm/W

Radiant Power: 11.727 W

Electric Parameters

Voltage: 221.20V

Current: 0.1430A

Power: 30.48W

Power Factor: 0.9630

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 51379 (2849)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 185.91 ms

Condition: $T_x=21.1^{\circ}C$, $T_i=21.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-04-07 14:37:20

Inspector: