

Lightsource Test Report

Product Infomation

Product Spec: FT 91 10W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4385$ $y=0.4058$ $u(u')=0.2508$ $v=0.3482$ $v'=0.5223$

CCT: $T_c=4989K$ ($duv=0.00047$)

Color Ratio: $R=0.232$ $G=0.741$ $B=0.026$

Peak Wavelength: 608.0nm

Half Bandwidth: 131.8nm

Dominant Wavelength: 582.7nm

Color Purity: 0.534

CRI: R_a : $R_a=84.2$

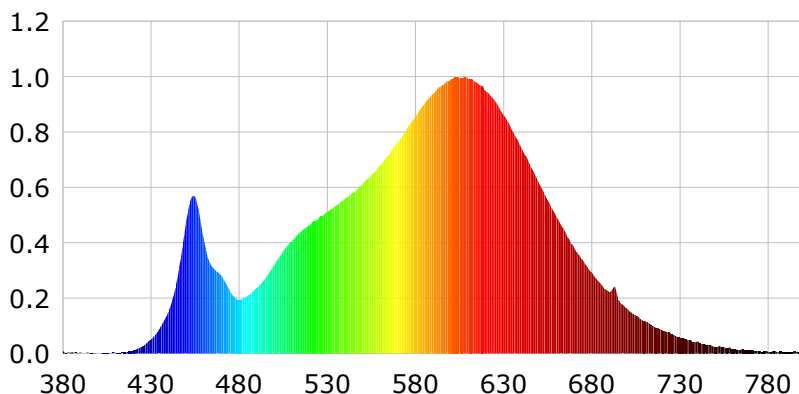
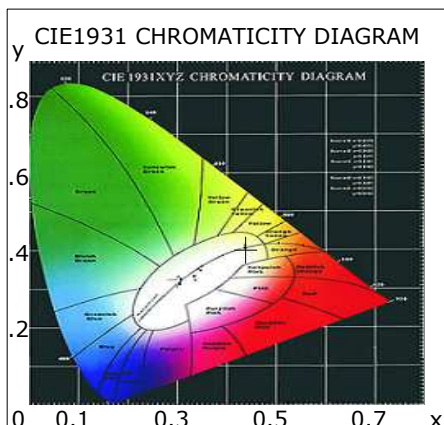
$R1=83$ $R2=92$ $R3=97$ $R4=82$ $R5=83$ $R6=91$ $R7=83$ $R8=62$

$R9=15$ $R10=82$ $R11=82$ $R12=71$ $R13=85$ $R14=99$ $R15=76$

Color Quality Scale: $Q_a=84.0$, $Q_f=85.8$, $Q_p=84.6$, $Q_g=91.1$

$Q1=80$ $Q2=95$ $Q3=84$ $Q4=81$ $Q5=84$ $Q6=85$ $Q7=85$ $Q8=88$

$Q9=96$ $Q10=91$ $Q11=88$ $Q12=86$ $Q13=85$ $Q14=74$ $Q15=76$



Photometric Parameters

Luminous Flux: 801.37 lm

Efficiency: 75.25 lm/W

Radiant Power: 2.451 W

Electric Parameters

Voltage: 221.40V

Current: 0.0500A

Power: 10.65W

Power Factor: 0.9580

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45453 (3198)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 941.53 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: 2019-03-30 17:15:05

Inspector: