

Lightsource Test Report

Product Infomation

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

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4423$ $y=0.4069$ $u(u')=0.2528$ $v=0.3489$ $v'=0.5233$

CCT: $T_c=2934K$ ($duv=0.00041$)

Color Ratio: $R=0.236$ $G=0.739$ $B=0.026$

Peak Wavelength: 608.5nm

Half Bandwidth: 128.6nm

Dominant Wavelength: 583.0nm

Color Purity: 0.549

CRI: R_a : $R_a=83.9$

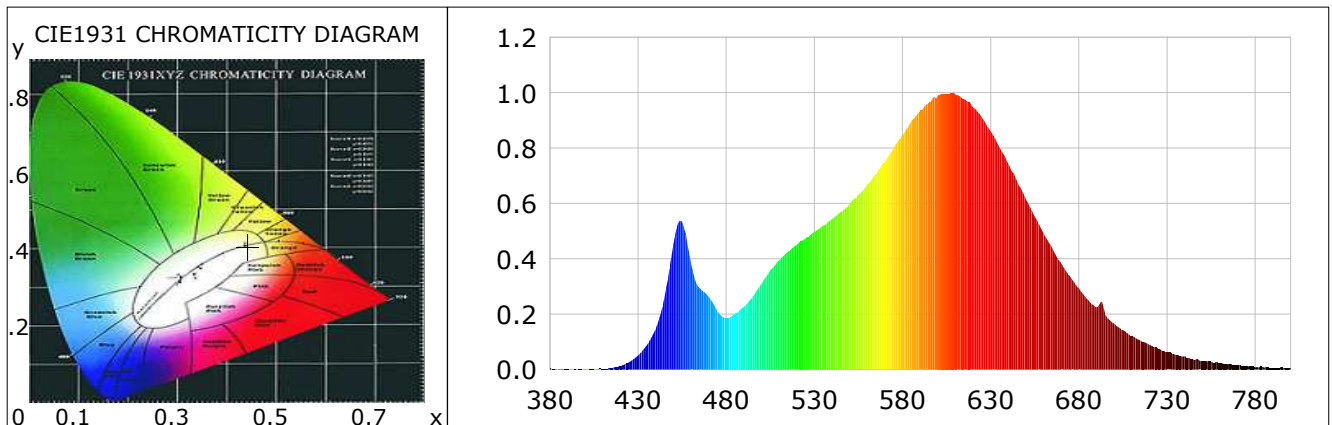
$R1=83$ $R2=92$ $R3=97$ $R4=82$ $R5=83$ $R6=91$ $R7=83$ $R8=61$

$R9=13$ $R10=82$ $R11=82$ $R12=72$ $R13=85$ $R14=99$ $R15=75$

Color Quality Scale: $Q_a=83.8$, $Q_f=85.6$, $Q_p=84.5$, $Q_g=91.0$

$Q1=80$ $Q2=94$ $Q3=85$ $Q4=81$ $Q5=84$ $Q6=85$ $Q7=85$ $Q8=87$

$Q9=95$ $Q10=91$ $Q11=88$ $Q12=86$ $Q13=84$ $Q14=74$ $Q15=76$



Photometric Parameters

Luminous Flux: 1124.33 lm

Efficiency: 105.57 lm/W

Radiant Power: 3.451 W

Electric Parameters

Voltage: 221.50V

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: 45211 (3125)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 652.89 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 17:13:40

Inspector: