

Lightsource Test Report

Product Infomation

Product Spec: FT 91 30W 5000K 60°
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3510$ $y=0.3606$ $u(u')=0.2119$ $v=0.3266$ $v'=0.4899$

CCT: $T_c=4819K$ ($duv=0.00215$)

Color Ratio: $R=0.159$ $G=0.802$ $B=0.039$

Peak Wavelength: 447.6nm

Half Bandwidth: 20.6nm

Dominant Wavelength: 572.9nm

Color Purity: 0.135

CRI: R_a : $R_a=81.6$

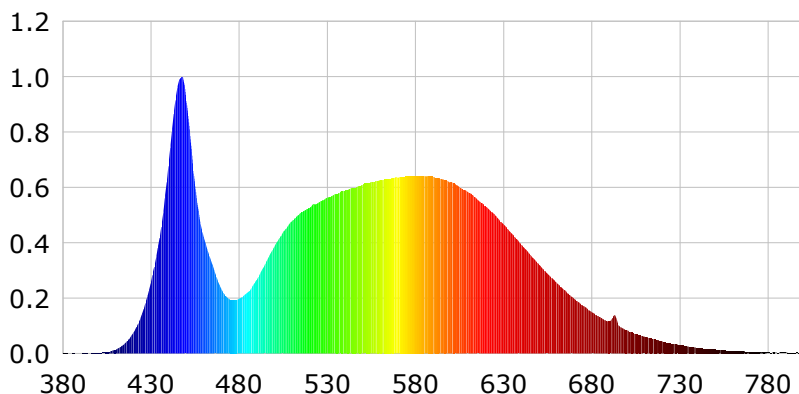
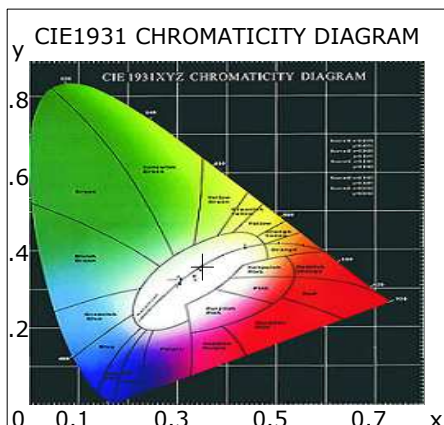
$R1=80$ $R2=85$ $R3=89$ $R4=83$ $R5=81$ $R6=80$ $R7=87$ $R8=69$

$R9=10$ $R10=65$ $R11=82$ $R12=60$ $R13=81$ $R14=94$ $R15=75$

Color Quality Scale: $Q_a=82.3$, $Q_f=82.1$, $Q_p=83.2$, $Q_g=93.6$

$Q1=84$ $Q2=97$ $Q3=77$ $Q4=76$ $Q5=82$ $Q6=83$ $Q7=85$ $Q8=90$

$Q9=96$ $Q10=85$ $Q11=83$ $Q12=83$ $Q13=83$ $Q14=73$ $Q15=77$



Photometric Parameters

Luminous Flux: 2900.48 lm

Efficiency: 102.24 lm/W

Radiant Power: 9.002 W

Electric Parameters

Voltage: 221.50V

Current: 0.1330A

Power: 28.37W

Power Factor: 0.9640

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45606 (2957)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 193.58 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 17:33:40

Inspector: