

Lightsource Test Report

Product Infomation

Product Spec: FT 91 20W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3543$ $y=0.3635$ $u(u')=0.2130$ $v=0.3278$ $v'=0.4917$

CCT: $T_c=4716K$ ($duv=0.00231$)

Color Ratio: $R=0.161$ $G=0.801$ $B=0.038$

Peak Wavelength: 447.4nm

Half Bandwidth: 18.4nm

Dominant Wavelength: 573.7nm

Color Purity: 0.154

CRI: R_a : $R_a=81.5$

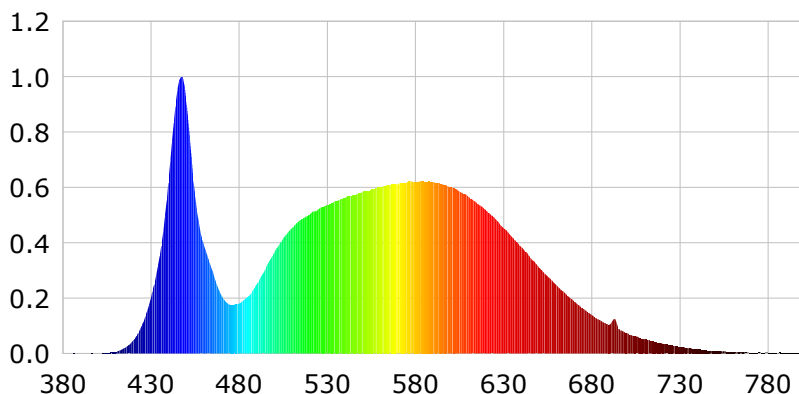
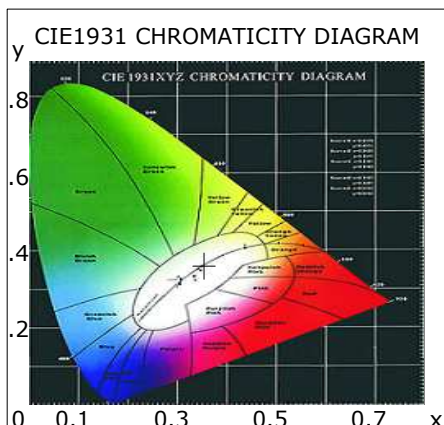
$R1=80$ $R2=85$ $R3=89$ $R4=83$ $R5=80$ $R6=80$ $R7=87$ $R8=68$

$R9=9$ $R10=65$ $R11=82$ $R12=59$ $R13=80$ $R14=94$ $R15=75$

Color Quality Scale: $Q_a=82.2$, $Q_f=82.0$, $Q_p=83.0$, $Q_g=93.5$

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

$Q9=96$ $Q10=85$ $Q11=83$ $Q12=83$ $Q13=83$ $Q14=72$ $Q15=77$



Photometric Parameters

Luminous Flux: 2233.24 lm

Efficiency: 111.55 lm/W

Radiant Power: 6.841 W

Electric Parameters

Voltage: 221.20V

Current: 0.0940A

Power: 20.02W

Power Factor: 0.9600

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45404 (2813)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 251.21 ms

Condition: $T_x=20.2^{\circ}C$, $T_i=20.5^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-03-30 14:53:21

Inspector: