

Lightsource Test Report

Product Infomation

Product Spec: FP 220 33LED 60W 5000K
Manufacturer: FAROS

Product Number: 4

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3427$ $y=0.3573$ $u(u')=0.2076$ $v=0.3247$ $v'=0.4870$

CCT: $T_c=5110K$ ($duv=0.00379$)

Color Ratio: $R=0.153$ $G=0.803$ $B=0.044$

Peak Wavelength: 448.6nm

Half Bandwidth: 21.8nm

Dominant Wavelength: 567.5nm

Color Purity: 0.100

CRI: R_a : $R_a=83.8$

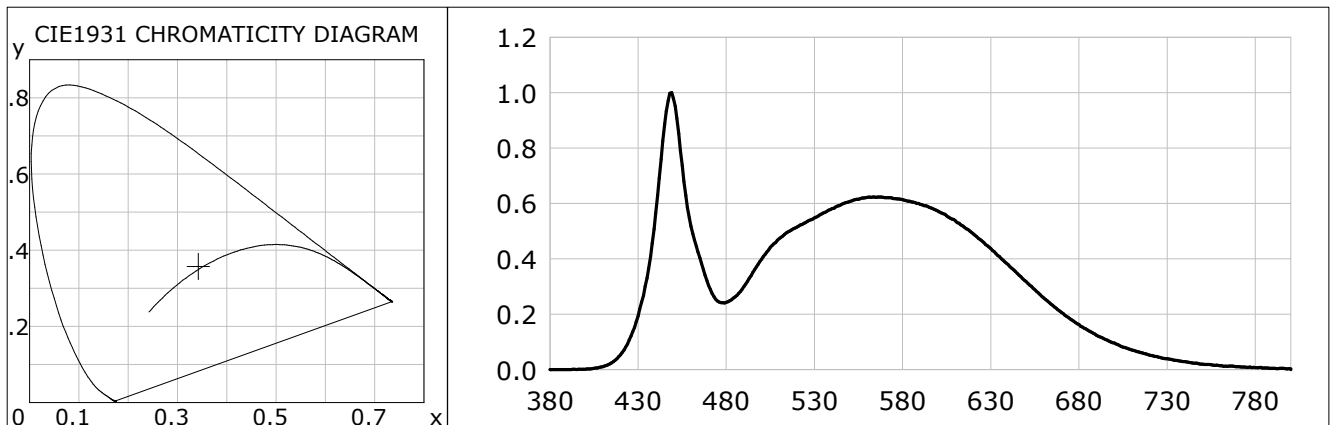
$R_1=83$ $R_2=84$ $R_3=82$ $R_4=90$ $R_5=84$ $R_6=77$ $R_7=91$ $R_8=80$

$R_9=27$ $R_{10}=59$ $R_{11}=89$ $R_{12}=53$ $R_{13}=82$ $R_{14}=90$ $R_{15}=81$

Color Quality Scale: $Q_a=82.6$, $Q_f=82.7$, $Q_p=82.6$, $Q_g=92.7$

$Q_1=87$ $Q_2=98$ $Q_3=78$ $Q_4=73$ $Q_5=80$ $Q_6=83$ $Q_7=87$ $Q_8=92$

$Q_9=95$ $Q_{10}=86$ $Q_{11}=82$ $Q_{12}=81$ $Q_{13}=82$ $Q_{14}=76$ $Q_{15}=80$



Photometric Parameters

Luminous Flux: 6171.00 lm

Efficiency: 105.99 lm/W

Radiant Power: 19.492 W

Electric Parameters

Voltage: 220.10V

Current: 0.2680A

Power: 58.22W

Power Factor: 0.9860

Frequency: 50.00Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 40 Min

Max of Signal: 44695 (2965)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 87.62 ms

Condition: $T_x=23.9^{\circ}C$, $T_i=23.5^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time:

Inspector: