

Lightsource Test Report

Product Infomation

Product Spec: FG 50 25x4LED 0,35A 45W
Manufacturer: FAROS

Product Number: 30

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3437$ $y=0.3555$ $u(u')=0.2089$ $v=0.3242$ $v'=0.4864$

CCT: $T_c=5068K$ ($duv=0.00253$)

Color Ratio: $R=0.157$ $G=0.795$ $B=0.049$

Peak Wavelength: 453.2nm

Half Bandwidth: 21.9nm

Dominant Wavelength: 569.3nm

Color Purity: 0.098

CRI: R_a : $R_a=85.6$

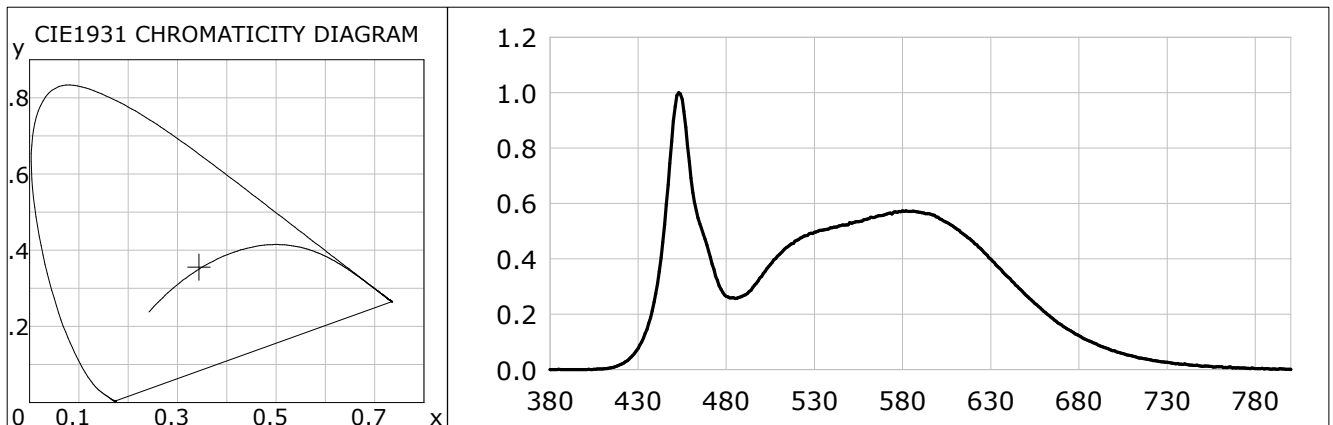
$R_1=85$ $R_2=88$ $R_3=88$ $R_4=89$ $R_5=84$ $R_6=81$ $R_7=93$ $R_8=77$

$R_9=26$ $R_{10}=68$ $R_{11}=88$ $R_{12}=51$ $R_{13}=85$ $R_{14}=93$ $R_{15}=83$

Color Quality Scale: $Q_a=81.9$, $Q_f=82.2$, $Q_p=80.8$, $Q_g=91.1$

$Q_1=83$ $Q_2=98$ $Q_3=79$ $Q_4=71$ $Q_5=76$ $Q_6=79$ $Q_7=86$ $Q_8=92$

$Q_9=97$ $Q_{10}=89$ $Q_{11}=84$ $Q_{12}=82$ $Q_{13}=82$ $Q_{14}=76$ $Q_{15}=79$



Photometric Parameters

Luminous Flux: 3772.77 lm

Efficiency: 86.37 lm/W

Radiant Power: 11.745 W

Electric Parameters

Voltage: 220.00V

Current: 0.2020A

Power: 43.68W

Power Factor: 0.9830

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 44634 (3026)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 123.52 ms

Condition: $T_x=24.1^{\circ}C$, $T_i=23.5^{\circ}C$, R.H.:60%

Test Lab:

Operator: Albakov D.

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2017-11-08 14:43:57

Inspector: