

Lightsource Test Report

Product Information

Product Spec: FG 50 0,46A 76W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3425$ $y=0.3591$ $u(u')=0.2068$ $v=0.3253$ $v'=0.4879$

CCT: $T_c=5120K$ ($duv=0.00474$)

Color Ratio: $R=0.149$ $G=0.807$ $B=0.044$

Peak Wavelength: 451.7nm

Half Bandwidth: 19.3nm

Dominant Wavelength: 566.7nm

Color Purity: 0.106

CRI: $R_a=84.3$

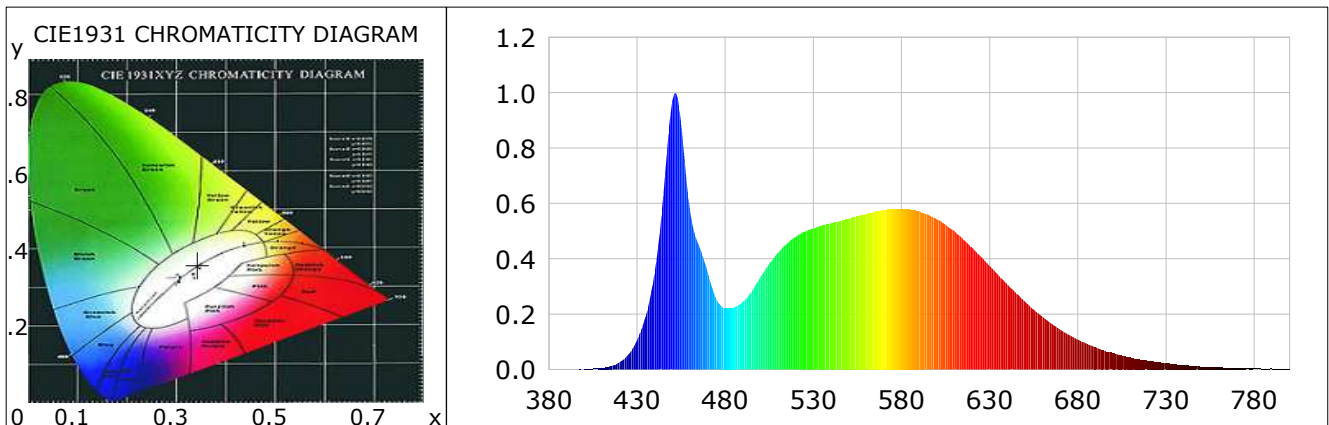
$R_1=81$ $R_2=84$ $R_3=85$ $R_4=87$ $R_5=81$ $R_6=77$ $R_7=91$ $R_8=73$

$R_9=9$ $R_{10}=59$ $R_{11}=86$ $R_{12}=47$ $R_{13}=81$ $R_{14}=91$ $R_{15}=77$

Color Quality Scale: $Q_a=80.0$, $Q_f=80.3$, $Q_p=79.0$, $Q_g=90.0$

$Q_1=82$ $Q_2=98$ $Q_3=77$ $Q_4=69$ $Q_5=75$ $Q_6=79$ $Q_7=84$ $Q_8=90$

$Q_9=96$ $Q_{10}=86$ $Q_{11}=81$ $Q_{12}=80$ $Q_{13}=80$ $Q_{14}=71$ $Q_{15}=76$



Photometric Parameters

Luminous Flux: 11405.51 lm Efficiency: 148.99 lm/W

Radiant Power: 34.666 W

Electric Parameters

Voltage: 221.90V

Current: 0.3490A

Power: 76.55W

Power Factor: 0.9870

Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 52030 (2716)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.00m, 4PI

CCD Integration Time: 52.51 ms

Condition: $T_x=20.4^\circ C$, $T_i=21.5^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-10-22 10:19:26

Inspector: