

Lightsource Test Report

Product Information

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

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3430$ $y=0.3595$ $u(u')=0.2070$ $v=0.3255$ $v'=0.4882$
CCT: $T_c=5102K$ ($duv=0.00476$) Color Ratio: $R=0.150$ $G=0.806$ $B=0.044$
Peak Wavelength: 451.8nm Half Bandwidth: 19.3nm
Dominant Wavelength: 567.0nm Color Purity: 0.108

CRI: $R_a=84.5$

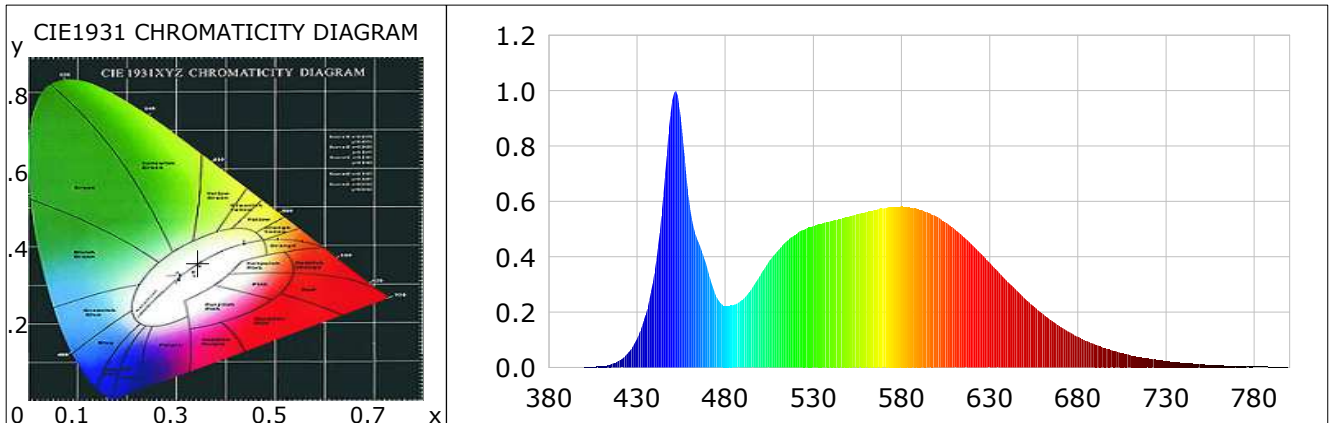
$R_1=81$ $R_2=84$ $R_3=85$ $R_4=87$ $R_5=81$ $R_6=77$ $R_7=91$ $R_8=74$

$R_9=11$ $R_{10}=60$ $R_{11}=86$ $R_{12}=47$ $R_{13}=81$ $R_{14}=91$ $R_{15}=78$

Color Quality Scale: $Q_a=80.3$, $Q_f=80.6$, $Q_p=79.3$, $Q_g=90.1$

$Q_1=83$ $Q_2=98$ $Q_3=77$ $Q_4=70$ $Q_5=76$ $Q_6=79$ $Q_7=85$ $Q_8=91$

$Q_9=96$ $Q_{10}=87$ $Q_{11}=82$ $Q_{12}=80$ $Q_{13}=80$ $Q_{14}=71$ $Q_{15}=76$



Photometric Parameters

Luminous Flux: 9625.00 lm

Efficiency: 127.03 lm/W

Radiant Power: 29.305 W

Electric Parameters

Voltage: 221.00V

Current: 0.3470A

Power: 75.77W

Power Factor: 0.9860

Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 46081 (2686)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.00m, 4PI

CCD Integration Time: 52.51 ms

Condition: $T_x=20.3^\circ C$, $T_i=21.5^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-10-22 10:17:01

Inspector: