

Lightsource Test Report

Product Infomation

Product Spec: FG 55 0,345A 42W 5000K

Product Number: 1

Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3431$ $y=0.3589$ $u(u')=0.2073$ $v=0.3252$ $v'=0.4879$

CCT: $T_c=5100K$ ($duv=0.00442$)

Color Ratio: $R=0.150$ $G=0.806$ $B=0.044$

Peak Wavelength: 451.4nm

Half Bandwidth: 19.8nm

Dominant Wavelength: 567.3nm

Color Purity: 0.106

CRI: R_a : $R_a=84.3$

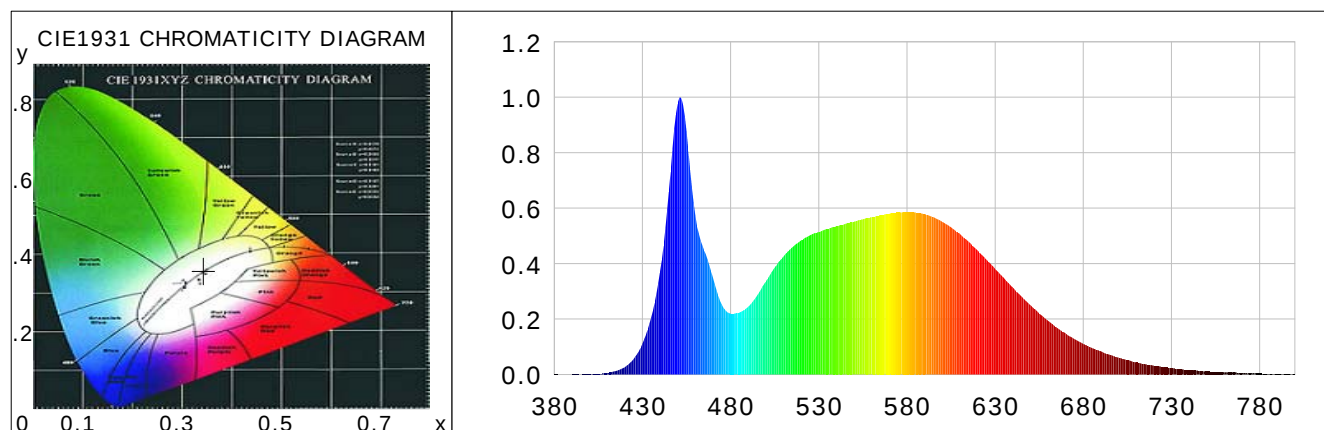
$R1=81$ $R2=84$ $R3=84$ $R4=87$ $R5=81$ $R6=76$ $R7=91$ $R8=74$

$R9=10$ $R10=59$ $R11=86$ $R12=47$ $R13=81$ $R14=91$ $R15=78$

Color Quality Scale: $Q_a=80.1$, $Q_f=80.4$, $Q_p=79.3$, $Q_g=90.3$

$Q1=83$ $Q2=98$ $Q3=77$ $Q4=69$ $Q5=76$ $Q6=79$ $Q7=85$ $Q8=91$

$Q9=96$ $Q10=86$ $Q11=81$ $Q12=80$ $Q13=80$ $Q14=71$ $Q15=76$



Photometric Parameters

Luminous Flux: 5957.89 lm

Efficiency: 141.35 lm/W

Radiant Power: 18.129 W

Electric Parameters

Voltage: 220.80V

Current: 0.1990A

Power: 42.15W

Power Factor: 0.9550

Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 53403 (2922)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.00m, 4PI

CCD Integration Time: 101.65 ms

Condition: Tx:22.9'C, Ti:23.0'C, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-10-16 14:05:33

Inspector: