

Lightsource Test Report

Product Infomation

Product Type: LED
Product Number: 44

Product Spec: FG 595 24LED 26.5W 5000K
Manufacturer: FAROS

Remark: Coefficient pulsation: 0,3%

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3524$ $y=0.3574$ $u(u')=0.2141$ $v=0.3257$ $v'=0.4886$

CCT: $T_c=4754K$ ($duv=0.00005$)

Color Ratio: $R=0.168$ $G=0.782$ $B=0.050$

Peak Wavelength: 459.9nm

Half Bandwidth: 19.1nm

Dominant Wavelength: 575.2nm

Color Purity: 0.130

CRI: $R_a=84.8$

TM30: $R_f=78$, $R_g=91$

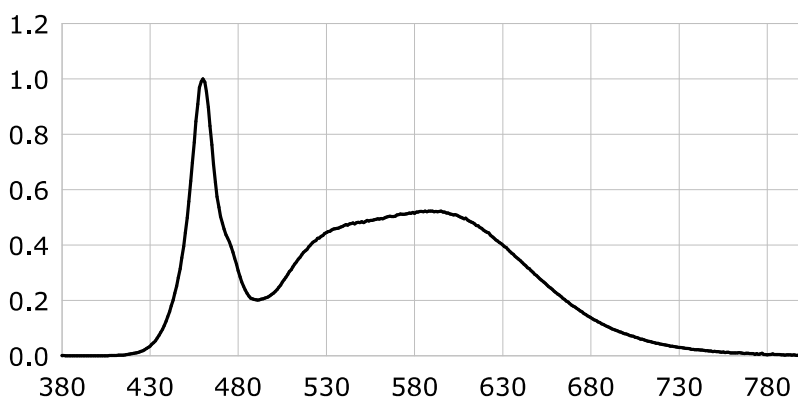
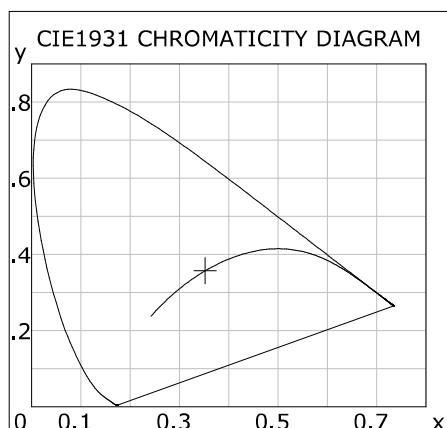
$R1=85$ $R2=94$ $R3=95$ $R4=78$ $R5=82$ $R6=88$ $R7=85$ $R8=71$

$R9=27$ $R10=82$ $R11=76$ $R12=53$ $R13=89$ $R14=98$ $R15=81$

Color Quality Scale: $Q_a=81.5$, $Q_f=81.8$, $Q_p=80.4$, $Q_g=90.7$

$Q1=80$ $Q2=95$ $Q3=80$ $Q4=69$ $Q5=72$ $Q6=75$ $Q7=83$ $Q8=89$

$Q9=97$ $Q10=91$ $Q11=86$ $Q12=86$ $Q13=86$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 3298.67 lm
EEI: 0.10

Efficiency: 135.69 lm/W

Radiant Power: 10.441 W

Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 220.10V
Power Factor: 0.9850

Current: 0.1120A
Frequency: 50.00Hz

Power: 24.31W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45042 (3149)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 126.43 ms

Condition: $T_x=25.7^{\circ}C$, $T_i=25.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-05-07 16:29:51
Inspector: