

Lightsource Test Report

Product Information

Product Type: LED
Product Number: 45

Product Spec: FG 595 24LED 20,5W 5000K
Manufacturer: FAROS

Remark: Coefficient pulsation: 0,1%

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3528$ $y=0.3582$ $u(u')=0.2140$ $v=0.3260$ $v'=0.4890$

CCT: $T_c=4745K$ ($duv=0.00029$)

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

Peak Wavelength: 460.0nm

Half Bandwidth: 18.9nm

Dominant Wavelength: 575.1nm

Color Purity: 0.134

CRI: $R_a=84.8$

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

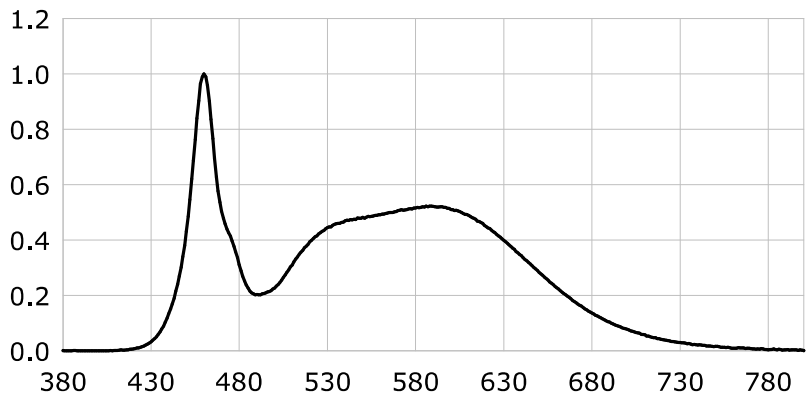
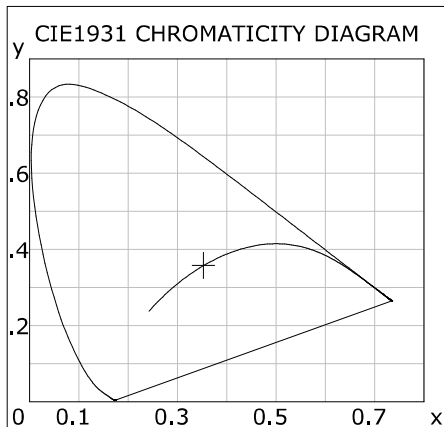
$R1=85$ $R2=94$ $R3=95$ $R4=78$ $R5=82$ $R6=88$ $R7=85$ $R8=70$

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

Color Quality Scale: $Q_a=81.6$, $Q_f=81.9$, $Q_p=80.3$, $Q_g=90.5$

$Q1=80$ $Q2=95$ $Q3=81$ $Q4=70$ $Q5=72$ $Q6=74$ $Q7=83$ $Q8=89$

$Q9=98$ $Q10=92$ $Q11=87$ $Q12=86$ $Q13=86$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 2887.63 lm
EEI: 0.10

Efficiency: 137.31 lm/W

Radiant Power: 9.128 W

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

Electric Parameters

Voltage: 220.10V

Current: 0.0970A

Power: 21.03W

Power Factor: 0.9820

Frequency: 50.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 53240 (3074)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 170.00 ms

Condition: $T_x=24.7^\circ C$, $T_i=25.5^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-05-08 12:37:38

Inspector: