

Lightsource Test Report

Product Information

Product Type: LED
Product Number: 52

Product Spec: FG 595 40LED 44W 5000K
Manufacturer: FAROS

Remark: Coefficient pulsation: 0,3%

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3515$ $y=0.3563$ $u(u')=0.2139$ $v=0.3253$ $v'=0.4879$

CCT: $T_c=4780K$ ($duv=-0.00019$)

Color Ratio: $R=0.168$ $G=0.781$ $B=0.051$

Peak Wavelength: 460.6nm

Half Bandwidth: 20.7nm

Dominant Wavelength: 575.2nm

Color Purity: 0.124

CRI: $R_a=85.0$

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

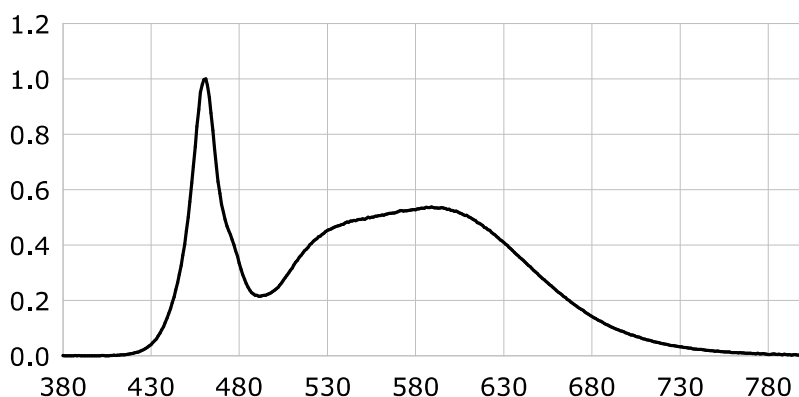
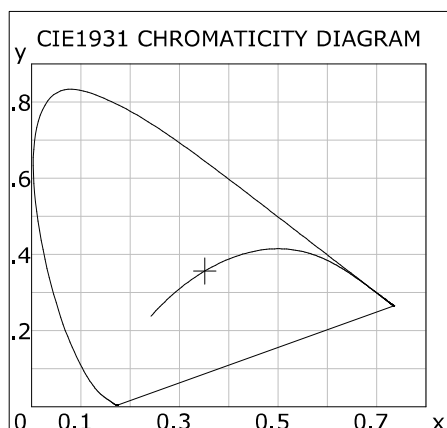
$R1=85$ $R2=95$ $R3=95$ $R4=78$ $R5=82$ $R6=89$ $R7=85$ $R8=71$

$R9=28$ $R10=83$ $R11=76$ $R12=54$ $R13=89$ $R14=98$ $R15=82$

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: 5924.35 lm
EEI: 0.10

Efficiency: 135.51 lm/W

Radiant Power: 18.852 W

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

Electric Parameters

Voltage: 219.90V
Power Factor: 0.9830

Current: 0.2020A
Frequency: 50.00Hz

Power: 43.72W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45572 (3176)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 73.36 ms

Condition: $T_x=26.8^{\circ}C$, $T_i=27.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-05-08 15:46:18
Inspector: