

# Lightsource Test Report

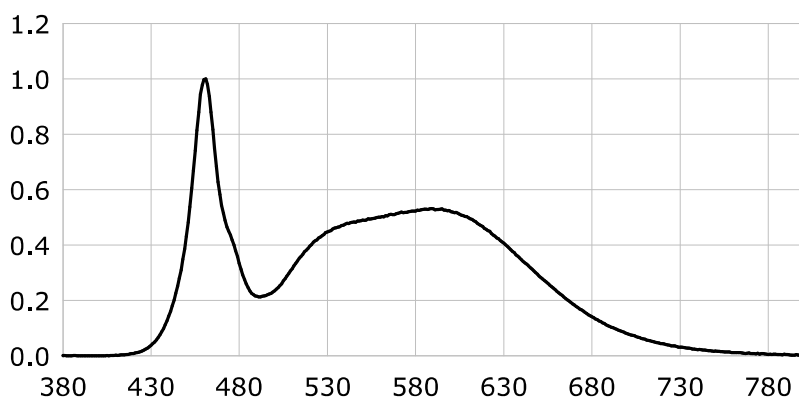
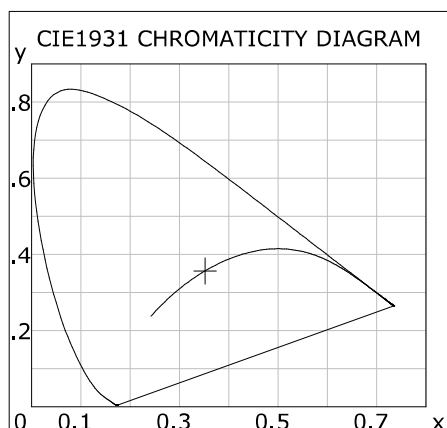
## Product Information

Product Type: LED  
Product Number: 45  
Remark: Coefficient pulsation: 0,3%

Product Spec: FG 595 40LED 38W 5000K  
Manufacturer: FAROS

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3520$   $y=0.3570$   $u(u')=0.2140$   $v=0.3255$   $v'=0.4883$   
CCT:  $T_c=4768K$  ( $duv=-0.00002$ ) Color Ratio:  $R=0.168$   $G=0.780$   $B=0.051$   
Peak Wavelength: 460.6nm Half Bandwidth: 20.3nm  
Dominant Wavelength: 575.2nm Color Purity: 0.127  
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:  $Q_a=81.7$ ,  $Q_f=81.9$ ,  $Q_p=80.3$ ,  $Q_g=90.4$   
 $Q1=80$   $Q2=95$   $Q3=81$   $Q4=70$   $Q5=72$   $Q6=74$   $Q7=83$   $Q8=89$   
 $Q9=98$   $Q10=92$   $Q11=87$   $Q12=86$   $Q13=86$   $Q14=78$   $Q15=80$



## Photometric Parameters

Luminous Flux: 5252.79 lm  
EEI: 0.10

Efficiency: 137.69 lm/W

Radiant Power: 16.701 W

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

## Electric Parameters

Voltage: 220.00V  
Power Factor: 0.9880

Current: 0.1750A  
Frequency: 50.00Hz

Power: 38.15W

### Test Information

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min  
Max of Signal: 45549 (3191)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 2.00m, 4PI  
CCD Integration Time: 81.91 ms

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

Test Device: Lisun LMS-9000A(Plus)  
Test Time: 2018-05-08 15:55:52  
Inspector: