

Lightsource Test Report

Product Infomation

Product Type: LED
Product Number: 45

Product Spec: FG 595 36W 5000K
Manufacturer: FAROS

Remark: Coefficient pulsation: 0,7%

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3507$ $y=0.3548$ $u(u')=0.2140$ $v=0.3247$ $v'=0.4871$

CCT: $T_c=4803K$ ($duv=-0.00061$)

Color Ratio: $R=0.167$ $G=0.784$ $B=0.049$

Peak Wavelength: 459.0nm

Half Bandwidth: 21.8nm

Dominant Wavelength: 575.5nm

Color Purity: 0.117

CRI: $R_a=84.7$

TM30: $R_f=79$, $R_g=92$

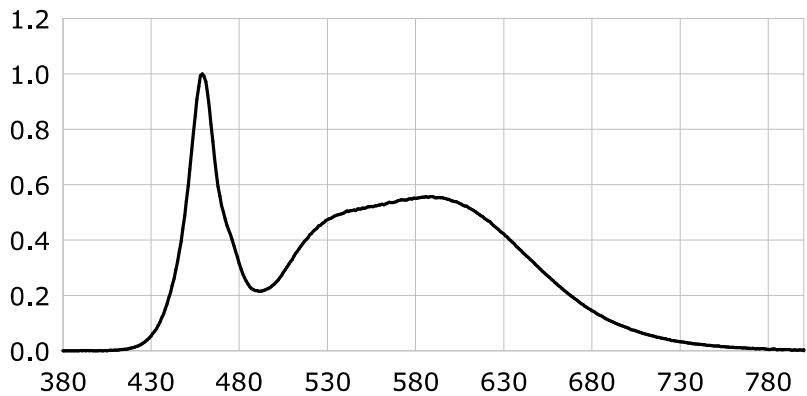
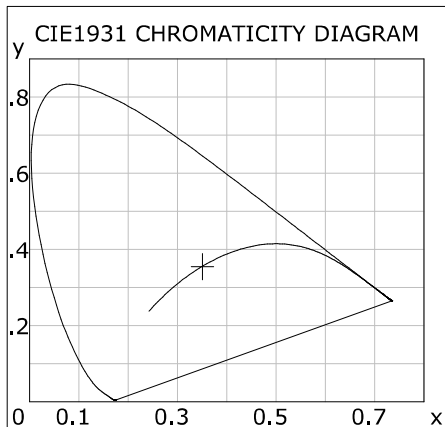
$R1=85$ $R2=93$ $R3=95$ $R4=79$ $R5=82$ $R6=87$ $R7=86$ $R8=71$

$R9=26$ $R10=80$ $R11=76$ $R12=54$ $R13=88$ $R14=97$ $R15=81$

Color Quality Scale: $Q_a=81.4$, $Q_f=81.6$, $Q_p=80.6$, $Q_g=91.1$

$Q1=81$ $Q2=96$ $Q3=79$ $Q4=69$ $Q5=73$ $Q6=75$ $Q7=83$ $Q8=89$

$Q9=97$ $Q10=90$ $Q11=85$ $Q12=85$ $Q13=85$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 4484.56 lm
EEI: 0.11

Efficiency: 122.70 lm/W

Radiant Power: 14.242 W

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

Electric Parameters

Voltage: 219.90V
Power Factor: 0.9870

Current: 0.1680A
Frequency: 50.00Hz

Power: 36.55W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45595 (2954)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 97.58 ms

Condition: $T_x=23.3^{\circ}C$, $T_i=23.5^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-05-04 11:17:14
Inspector: