

Lightsource Test Report

Product Information

Product Type: LED
Product Number: 41

Product Spec: FG 595 24LED 32W 5000K
Manufacturer: FAROS

Remark: Coefficient pulsation: 1%

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3515$ $y=0.3562$ $u(u')=0.2140$ $v=0.3252$ $v'=0.4878$

CCT: $T_c=4781K$ ($duv=-0.00024$)

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

Peak Wavelength: 459.2nm

Half Bandwidth: 19.6nm

Dominant Wavelength: 575.3nm

Color Purity: 0.124

CRI: $R_a=84.5$

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

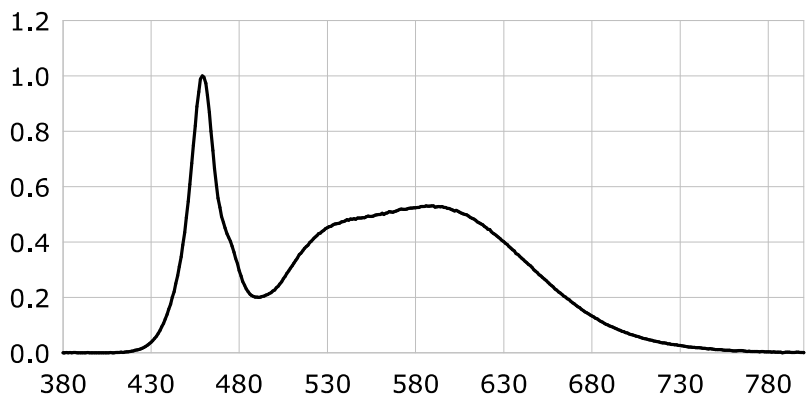
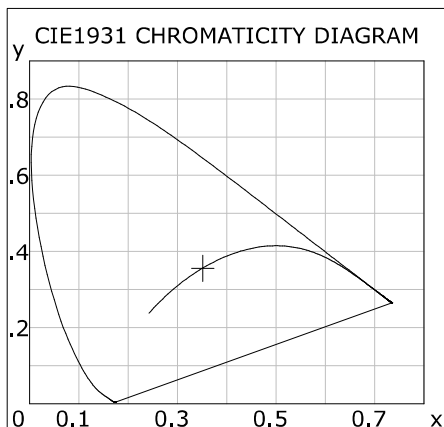
$R1=85$ $R2=94$ $R3=95$ $R4=78$ $R5=82$ $R6=87$ $R7=86$ $R8=70$

$R9=25$ $R10=80$ $R11=76$ $R12=52$ $R13=88$ $R14=98$ $R15=81$

Color Quality Scale: $Q_a=81.3$, $Q_f=81.5$, $Q_p=80.3$, $Q_g=90.8$

$Q1=80$ $Q2=96$ $Q3=79$ $Q4=69$ $Q5=72$ $Q6=75$ $Q7=83$ $Q8=89$

$Q9=97$ $Q10=91$ $Q11=85$ $Q12=85$ $Q13=85$ $Q14=77$ $Q15=80$



Photometric Parameters

Luminous Flux: 4120.14 lm
EEI: 0.10

Efficiency: 131.34 lm/W

Radiant Power: 12.965 W

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

Electric Parameters

Voltage: 220.00V
Power Factor: 0.9850

Current: 0.1450A
Frequency: 49.99Hz

Power: 31.37W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45727 (2862)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 102.10 ms

Condition: $T_x=22.2^{\circ}C$, $T_i=23.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-05-07 08:40:50
Inspector: