

Lightsource Test Report

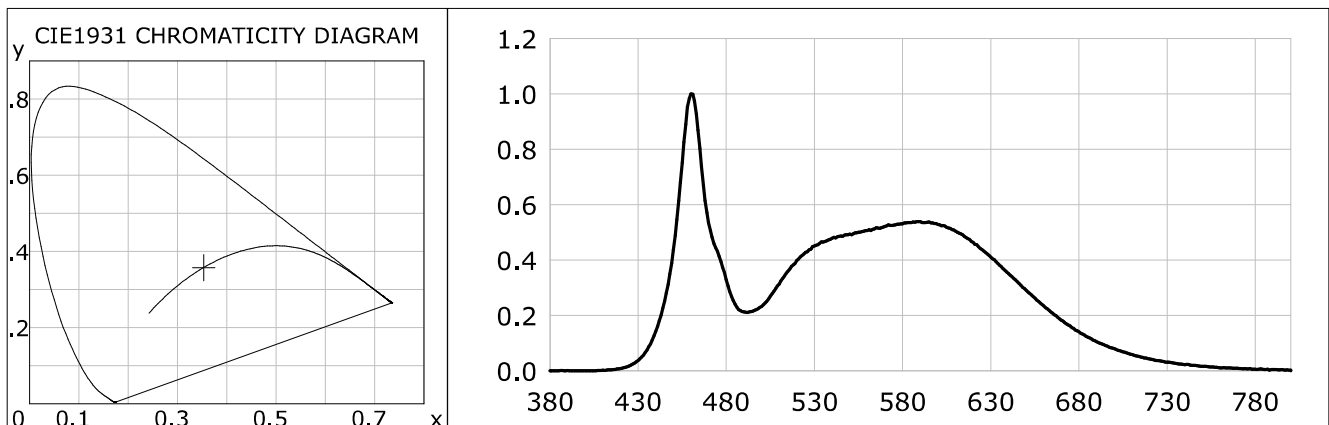
Product Information

Product Type: LED
Product Number: 22

Product Spec: FG 180 38W 5000K
Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3535$ $y=0.3580$ $u(u')=0.2146$ $v=0.3260$ $v'=0.4890$
CCT: $T_c=4719K$ ($duv=-0.00009$) Color Ratio: $R=0.169$ $G=0.781$ $B=0.050$
Peak Wavelength: 460.4nm Half Bandwidth: 20.1nm
Dominant Wavelength: 575.6nm Color Purity: 0.135
CRI: $R_a=84.7$ TM30: $R_f=78$, $R_g=91$
 $R1=85$ $R2=95$ $R3=95$ $R4=78$ $R5=82$ $R6=88$ $R7=85$ $R8=70$
 $R9=27$ $R10=83$ $R11=75$ $R12=54$ $R13=89$ $R14=98$ $R15=81$
Color Quality Scale: $Q_a=81.4$, $Q_f=81.7$, $Q_p=80.1$, $Q_g=90.4$
 $Q1=80$ $Q2=95$ $Q3=81$ $Q4=69$ $Q5=72$ $Q6=74$ $Q7=83$ $Q8=89$
 $Q9=98$ $Q10=92$ $Q11=86$ $Q12=86$ $Q13=86$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 5180.15 lm
EEI: 0.10

Efficiency: 136.00 lm/W

Radiant Power: 16.398 W

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

Electric Parameters

Voltage: 219.80V
Power Factor: 0.9880

Current: 0.1750A
Frequency: 50.00Hz

Power: 38.09W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 48705 (3109)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 85.62 ms

Condition: $T_x=25.8^{\circ}C$, $T_i=25.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-05-11 13:30:42
Inspector: