

Lightsource Test Report

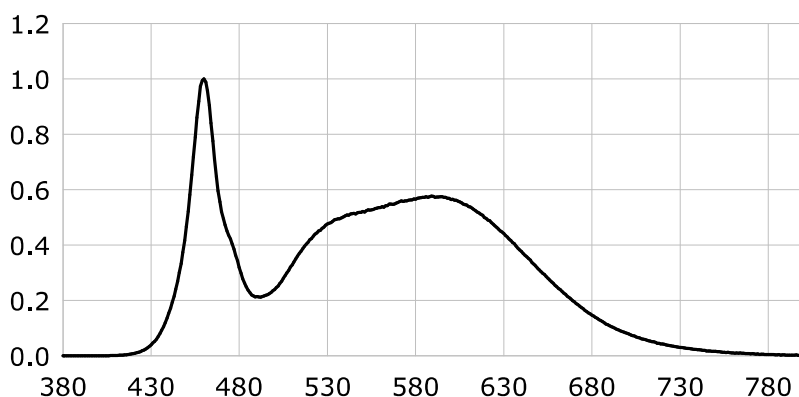
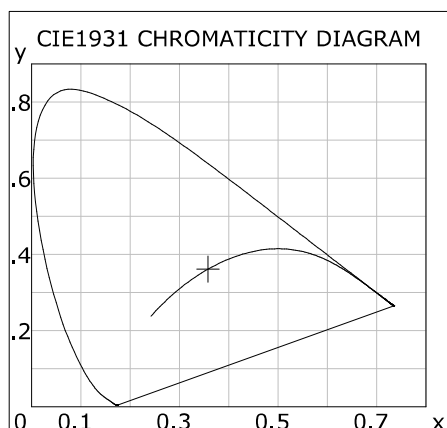
Product Infomation

Product Type: LED
Product Number: 4

Product Spec: FL 1500 50W 5000K
Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3581$ $y=0.3620$ $u(u')=0.2161$ $v=0.3277$ $v'=0.4916$
CCT: $T_c=4580K$ ($duv=0.00018$) Color Ratio: $R=0.171$ $G=0.781$ $B=0.048$
Peak Wavelength: 459.8nm Half Bandwidth: 20.2nm
Dominant Wavelength: 576.3nm Color Purity: 0.161
CRI: $R_a=84.3$ TM30: $R_f=78$, $R_g=91$
 $R1=84$ $R2=94$ $R3=95$ $R4=78$ $R5=82$ $R6=88$ $R7=85$ $R8=69$
 $R9=24$ $R10=80$ $R11=76$ $R12=54$ $R13=88$ $R14=98$ $R15=80$
Color Quality Scale: $Q_a=81.4$, $Q_f=81.7$, $Q_p=80.2$, $Q_g=90.6$
 $Q1=80$ $Q2=96$ $Q3=80$ $Q4=69$ $Q5=73$ $Q6=75$ $Q7=83$ $Q8=89$
 $Q9=97$ $Q10=91$ $Q11=86$ $Q12=85$ $Q13=86$ $Q14=77$ $Q15=79$



Photometric Parameters

Luminous Flux: 6612.43 lm
EEI: 0.10

Efficiency: 132.65 lm/W

Radiant Power: 20.688 W

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

Electric Parameters

Voltage: 219.80V
Power Factor: 0.9840

Current: 0.2300A
Frequency: 49.99Hz

Power: 49.85W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45940 (2971)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 67.43 ms

Condition: $T_x=23.8^{\circ}C$, $T_i=23.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-05-11 21:12:16
Inspector: