

Lightsource Test Report

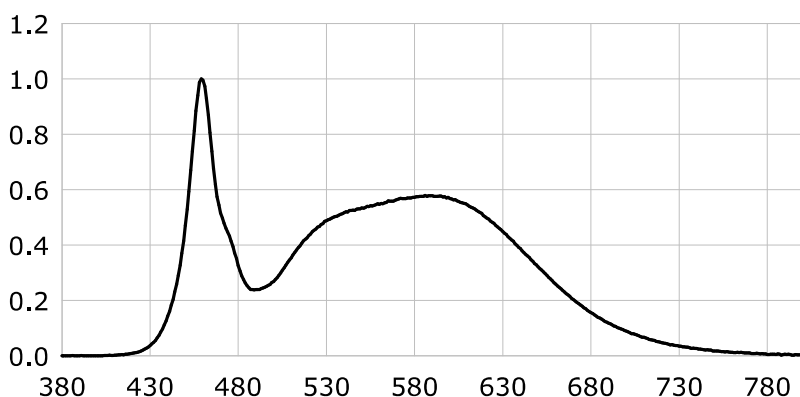
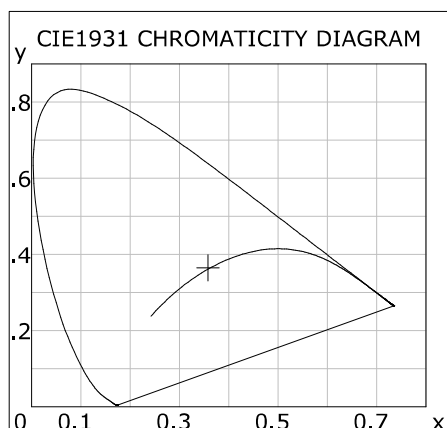
Product Information

Product Type: LED
Product Number: 57

Product Spec: FG 50 3x25LED 0,3A 30W
Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3579$ $y=0.3655$ $u(u')=0.2146$ $v=0.3288$ $v'=0.4932$
CCT: $T_c=4607K$ ($duv=0.00200$) Color Ratio: $R=0.169$ $G=0.782$ $B=0.048$
Peak Wavelength: 459.2nm Half Bandwidth: 20.4nm
Dominant Wavelength: 574.8nm Color Purity: 0.171
CRI: $R_a=84.6$ TM30: $R_f=79$, $R_g=91$
 $R1=84$ $R2=93$ $R3=96$ $R4=78$ $R5=82$ $R6=88$ $R7=86$ $R8=70$
 $R9=25$ $R10=81$ $R11=76$ $R12=54$ $R13=88$ $R14=98$ $R15=80$
Color Quality Scale: $Q_a=82.3$, $Q_f=82.6$, $Q_p=80.7$, $Q_g=90.2$
 $Q1=80$ $Q2=95$ $Q3=82$ $Q4=71$ $Q5=74$ $Q6=76$ $Q7=83$ $Q8=89$
 $Q9=98$ $Q10=92$ $Q11=88$ $Q12=87$ $Q13=87$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 3766.41 lm
EEI: 0.10

Efficiency: 131.28 lm/W

Radiant Power: 11.810 W

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

Electric Parameters

Voltage: 219.80V
Power Factor: 0.9790

Current: 0.1330A
Frequency: 50.00Hz

Power: 28.69W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45010 (2916)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 119.76 ms

Condition: $T_x=22.9^{\circ}C$, $T_i=23.5^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-04-27 09:23:06
Inspector: