

Lightsource Test Report

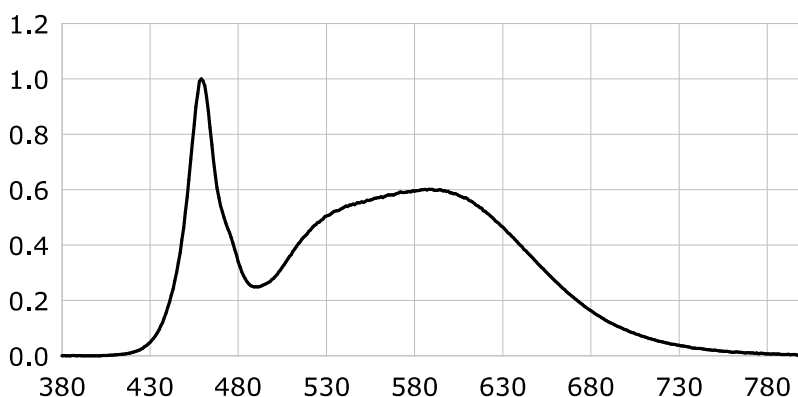
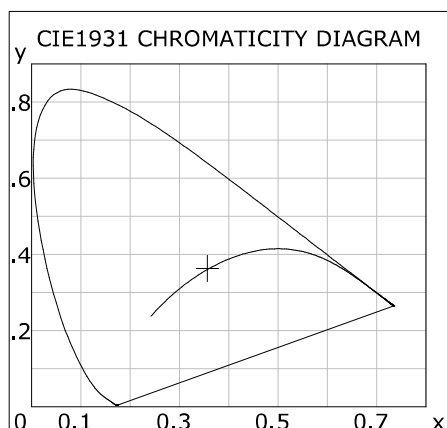
Product Information

Product Type: LED
Product Number: 54

Product Spec: FG 50 3x25LED 0,3A 40W
Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3569$ $y=0.3637$ $u(u')=0.2147$ $v=0.3281$ $v'=0.4922$
CCT: $T_c=4630K$ ($duv=0.00147$) Color Ratio: $R=0.169$ $G=0.782$ $B=0.048$
Peak Wavelength: 459.1nm Half Bandwidth: 22.3nm
Dominant Wavelength: 575.0nm Color Purity: 0.162
CRI: $R_a=84.7$ TM30: $R_f=79$, $R_g=91$
 $R1=84$ $R2=93$ $R3=95$ $R4=79$ $R5=82$ $R6=88$ $R7=86$ $R8=70$
 $R9=25$ $R10=81$ $R11=76$ $R12=55$ $R13=88$ $R14=98$ $R15=80$
Color Quality Scale: $Q_a=82.3$, $Q_f=82.6$, $Q_p=80.7$, $Q_g=90.4$
 $Q1=80$ $Q2=96$ $Q3=82$ $Q4=71$ $Q5=74$ $Q6=76$ $Q7=83$ $Q8=89$
 $Q9=98$ $Q10=92$ $Q11=87$ $Q12=87$ $Q13=86$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 5254.20 lm
EEI: 0.11

Efficiency: 129.54 lm/W

Radiant Power: 16.531 W

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

Electric Parameters

Voltage: 219.80V
Power Factor: 0.9900

Current: 0.1860A
Frequency: 49.99Hz

Power: 40.56W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45292 (3020)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 89.62 ms

Condition: $T_x=24.1^{\circ}C$, $T_i=23.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-04-26 12:59:55
Inspector: