

Lightsource Test Report

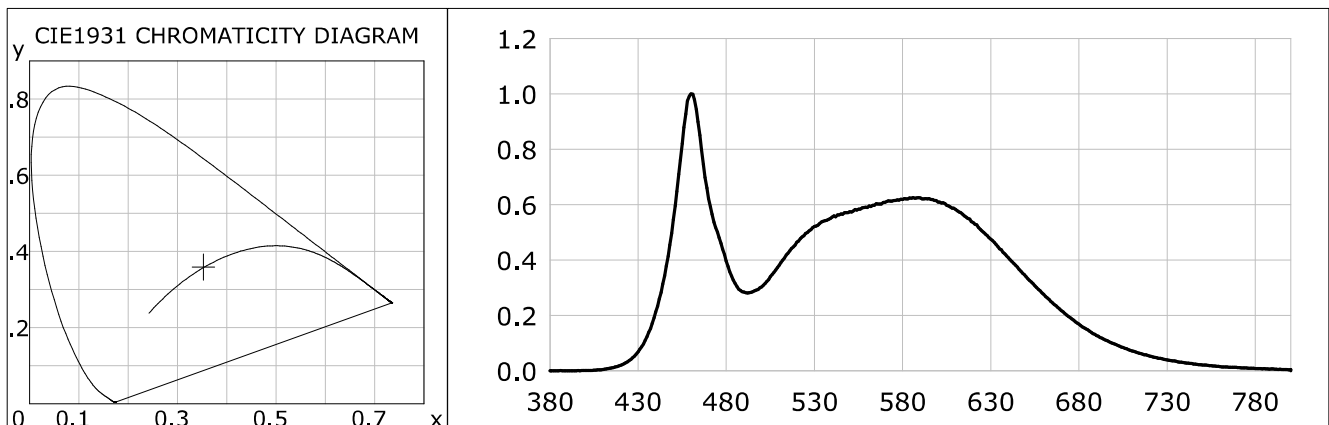
Product Information

Product Type: LED
Product Number: 56

Product Spec: FG 50 4x30LED 0,78A 110W
Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3531$ $y=0.3596$ $u(u')=0.2137$ $v=0.3265$ $v'=0.4897$
CCT: $T_c=4739K$ ($duv=0.00085$) Color Ratio: $R=0.168$ $G=0.781$ $B=0.052$
Peak Wavelength: 460.5nm Half Bandwidth: 26.0nm
Dominant Wavelength: 574.6nm Color Purity: 0.139
CRI: $R_a=85.0$ TM30: $R_f=79$, $R_g=91$
 $R1=85$ $R2=94$ $R3=95$ $R4=78$ $R5=83$ $R6=89$ $R7=85$ $R8=70$
 $R9=26$ $R10=83$ $R11=76$ $R12=57$ $R13=88$ $R14=98$ $R15=81$
Color Quality Scale: $Q_a=82.4$, $Q_f=82.8$, $Q_p=80.9$, $Q_g=90.3$
 $Q1=80$ $Q2=95$ $Q3=83$ $Q4=72$ $Q5=74$ $Q6=76$ $Q7=83$ $Q8=89$
 $Q9=98$ $Q10=93$ $Q11=87$ $Q12=87$ $Q13=86$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 11256.04 lm Efficiency: 111.45 lm/W Radiant Power: 35.796 W
EEI: 0.12 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 219.70V Current: 0.4670A Power: 101.00W
Power Factor: 0.9850 Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45763 (2880)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 46.51 ms

Condition: $T_x=22.2^{\circ}C$, $T_i=22.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-04-26 17:24:30
Inspector: