

Lightsource Test Report

Product Infomation

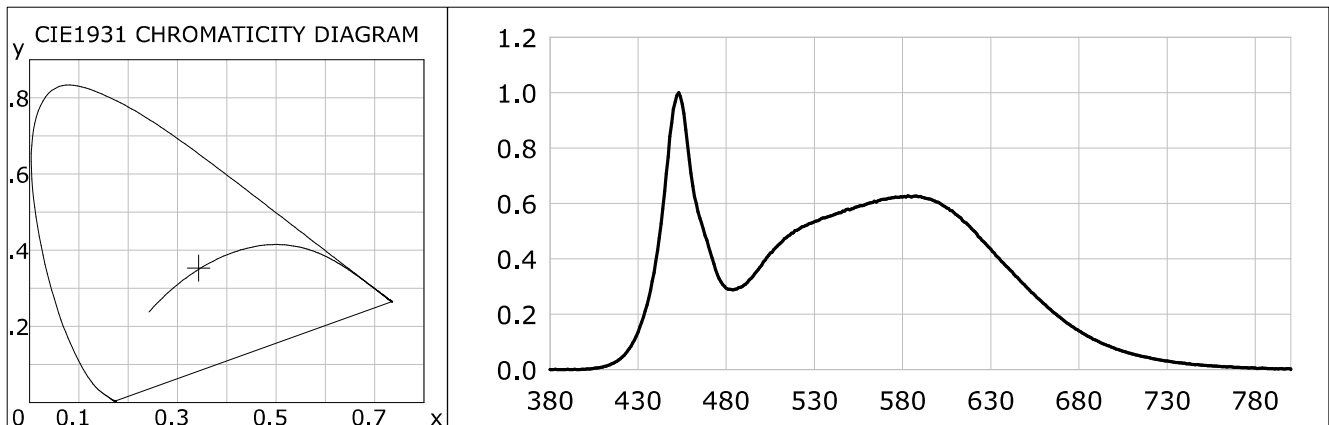
Product Spec: FD 111 245LED 5000K
Manufacturer: FAROS

Product Number: 5

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3435$ $y=0.3535$ $u(u')=0.2096$ $v=0.3236$ $v'=0.4854$
CCT: $T_c=5070K$ ($duv=0.00163$) Color Ratio: $R=0.157$ $G=0.794$ $B=0.049$
Peak Wavelength: 452.9nm Half Bandwidth: 24.8nm
Dominant Wavelength: 588.0nm Color Purity: 0.092
CRI: R_a : $R_a=85.7$

R1 =85	R2 =88	R3 =87	R4 =90	R5 =85	R6 =81	R7 =93	R8 =78
R9 =27	R10=68	R11=88	R12=54	R13=85	R14=92	R15=83	
Color Quality Scale: $Q_a=82.2$, $Q_f=82.4$, $Q_p=81.4$, $Q_g=91.6$							
Q1 =84	Q2 =98	Q3 =79	Q4 =72	Q5 =77	Q6 =80	Q7 =87	Q8 =92
Q9 =96	Q10=88	Q11=83	Q12=82	Q13=82	Q14=76	Q15=79	



Photometric Parameters

Luminous Flux: 18776.10 lm Efficiency: 117.42 lm/W

Radiant Power: 59.039 W

Electric Parameters

Voltage: 219.60V
Power Factor: 0.9770

Current: 0.7460A
Frequency: 49.99Hz

Power: 159.90W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45605 (2887)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 27.58 ms

Condition: $T_x=23.0^{\circ}C$, $T_i=24.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-03-15 13:30:42
Inspector: