

Lightsource Test Report

Product Information

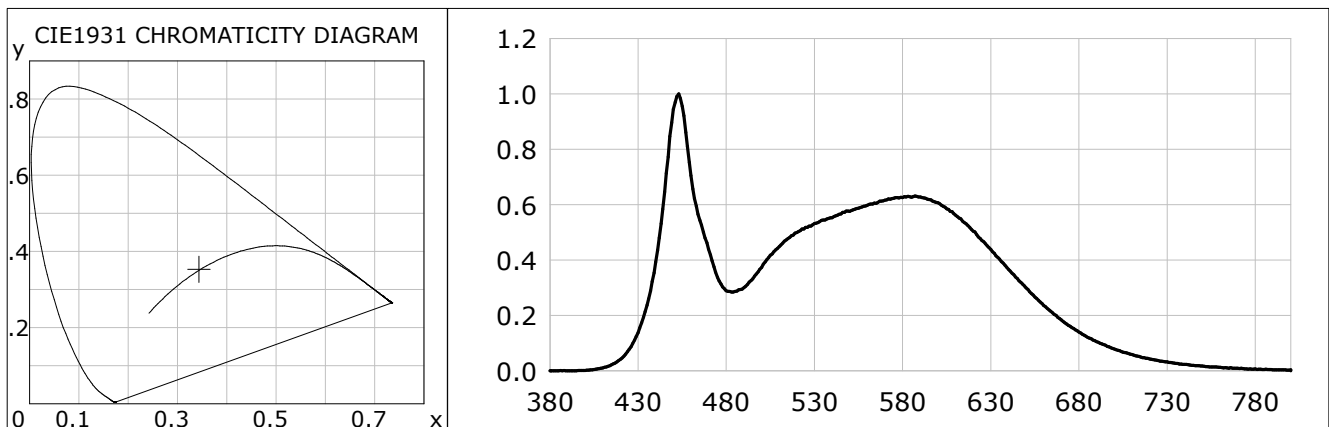
Product Spec: FD 111 245LED 160W 5000K
Manufacturer: FAROS

Product Number: 1
Remark: Coefficient Pulsation: 0,9%

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3441$ $y=0.3531$ $u(u')=0.2102$ $v=0.3235$ $v'=0.4853$
CCT: $T_c=5042K$ ($duv=0.00114$) Color Ratio: $R=0.158$ $G=0.794$ $B=0.048$
Peak Wavelength: 452.9nm Half Bandwidth: 24.7nm
Dominant Wavelength: 589.1nm Color Purity: 0.092
CRI: $R_a=85.7$

R1 =85	R2 =87	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: $Q_a=82.0$, $Q_f=82.2$, $Q_p=81.3$, $Q_g=91.8$							
Q1 =84	Q2 =98	Q3 =79	Q4 =71	Q5 =77	Q6 =80	Q7 =87	Q8 =92
Q9 =96	Q10=88	Q11=83	Q12=81	Q13=81	Q14=76	Q15=79	



Photometric Parameters

Luminous Flux: 20743.19 lm Efficiency: 129.64 lm/W Radiant Power: 65.297 W

Electric Parameters

Voltage: 219.60V	Current: 0.7460A	Power: 160.00W
Power Factor: 0.9770	Frequency: 49.99Hz	

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45423 (2978)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 26.31 ms

Condition: $T_x=24.5^{\circ}C$, $T_i=25.5^{\circ}C$, R.H.:60%
Test Lab:
Operator: Abdulganiev R.

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-03-01 15:25:55
Inspector: