

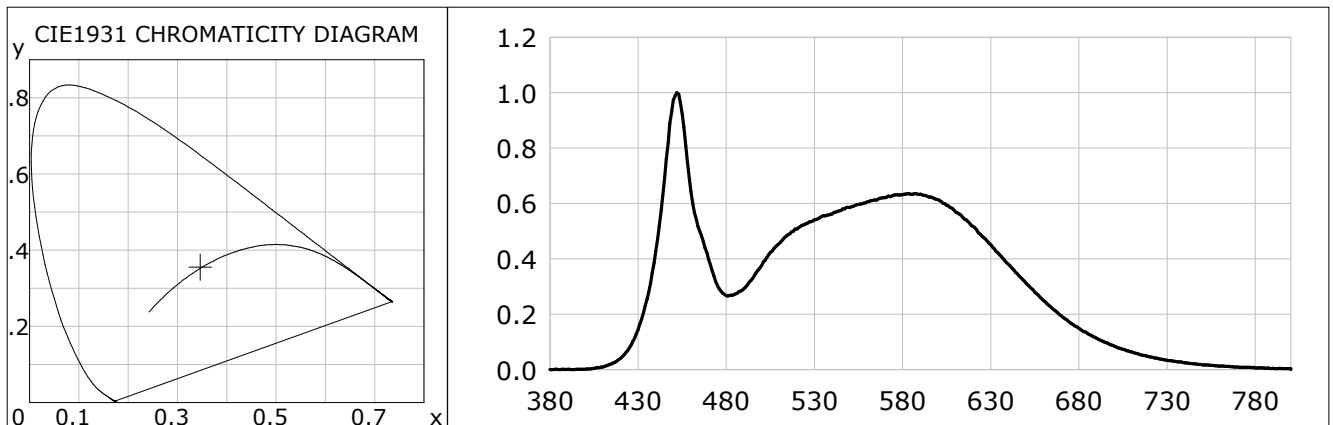
# Lightsource Test Report

## Product Infomation

Product Spec: FD 111 154LED 100W 5000K    Product Number: 1  
Manufacturer: FAROS

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3466$   $y=0.3556$      $u(u')=0.2109$   $v=0.3246$   $v'=0.4869$   
CCT:  $T_c=4957K$  ( $duv=0.00140$ )    Color Ratio:  $R=0.159$   $G=0.795$   $B=0.046$   
Peak Wavelength: 452.2nm    Half Bandwidth: 23.4nm  
Dominant Wavelength: 571.9nm    Color Purity: 0.107  
CRI:  $R_a$ :  $R_a=83.8$   
 $R1=82$      $R2=89$      $R3=93$      $R4=82$      $R5=82$      $R6=84$      $R7=88$      $R8=69$   
 $R9=14$      $R10=74$      $R11=81$      $R12=58$      $R13=84$      $R14=97$      $R15=77$   
Color Quality Scale:  $Q_a=82.8$ ,  $Q_f=83.0$ ,  $Q_p=82.6$ ,  $Q_g=92.0$   
 $Q1=84$      $Q2=99$      $Q3=79$      $Q4=74$      $Q5=80$      $Q6=82$      $Q7=86$      $Q8=90$   
 $Q9=97$      $Q10=89$      $Q11=85$      $Q12=84$      $Q13=84$      $Q14=74$      $Q15=78$



## Photometric Parameters

Luminous Flux: 12512.86 lm    Efficiency: 124.63 lm/W    Radiant Power: 39.321 W

## Electric Parameters

Voltage: 219.80V    Current: 0.4630A    Power: 100.40W  
Power Factor: 0.9870    Frequency: 49.99Hz

## Test Infomation

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min  
Max of Signal: 45316 (2994)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 2.00m, 4PI  
CCD Integration Time: 39.76 ms

Condition:  $T_x=24.3^{\circ}C$ ,  $T_i=23.5^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: Lisun LMS-9000A(Plus)  
Test Time: 2018-03-16 16:16:14  
Inspector: