

# Lightsource Test Report

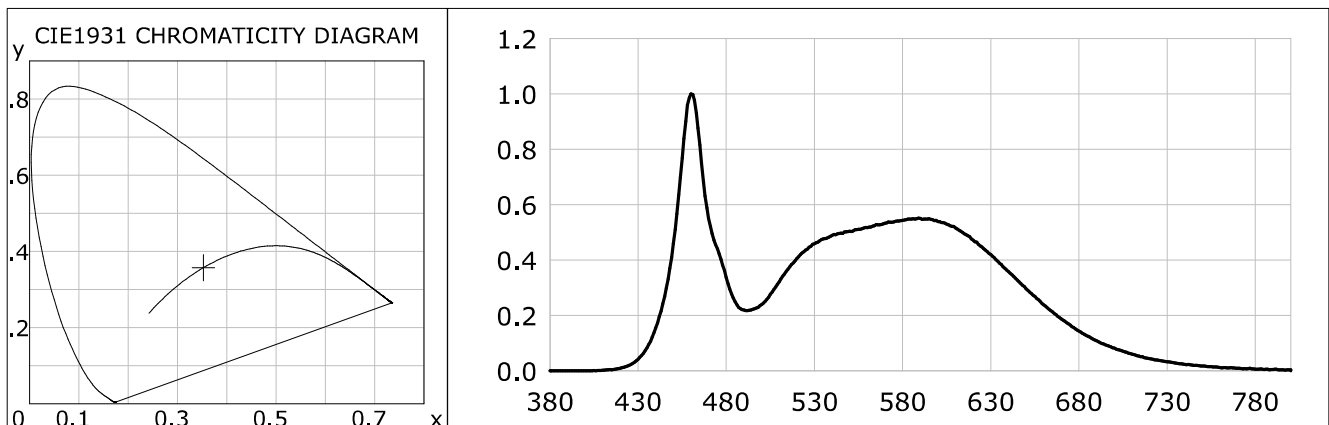
## Product Information

Product Type: LED  
Product Number: 21

Product Spec: FG 180 44W 5000K  
Manufacturer: FAROS

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3530$   $y=0.3573$   $u(u')=0.2146$   $v=0.3257$   $v'=0.4886$   
CCT:  $T_c=4731K$  ( $duv=-0.00025$ ) Color Ratio:  $R=0.169$   $G=0.781$   $B=0.051$   
Peak Wavelength: 460.4nm Half Bandwidth: 21.1nm  
Dominant Wavelength: 575.7nm Color Purity: 0.132  
CRI:  $R_a=84.7$  TM30:  $R_f=78$ ,  $R_g=91$   
 $R1=85$   $R2=95$   $R3=95$   $R4=78$   $R5=82$   $R6=88$   $R7=85$   $R8=70$   
 $R9=27$   $R10=83$   $R11=75$   $R12=54$   $R13=89$   $R14=98$   $R15=81$   
Color Quality Scale:  $Q_a=81.5$ ,  $Q_f=81.8$ ,  $Q_p=80.2$ ,  $Q_g=90.5$   
 $Q1=80$   $Q2=95$   $Q3=81$   $Q4=70$   $Q5=72$   $Q6=74$   $Q7=83$   $Q8=89$   
 $Q9=98$   $Q10=92$   $Q11=86$   $Q12=86$   $Q13=86$   $Q14=78$   $Q15=80$



## Photometric Parameters

Luminous Flux: 5703.26 lm  
EEI: 0.10

Efficiency: 130.24 lm/W

Radiant Power: 18.083 W

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

## Electric Parameters

Voltage: 219.90V  
Power Factor: 0.9830

Current: 0.2020A  
Frequency: 49.99Hz

Power: 43.79W

### Test Information

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min  
Max of Signal: 53543 (3096)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 2.00m, 4PI  
CCD Integration Time: 85.62 ms

Condition:  $T_x=25.5^{\circ}C$ ,  $T_i=25.0^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: Lisun LMS-9000A(Plus)  
Test Time: 2018-05-11 13:08:00  
Inspector: