

# Lightsource Test Report

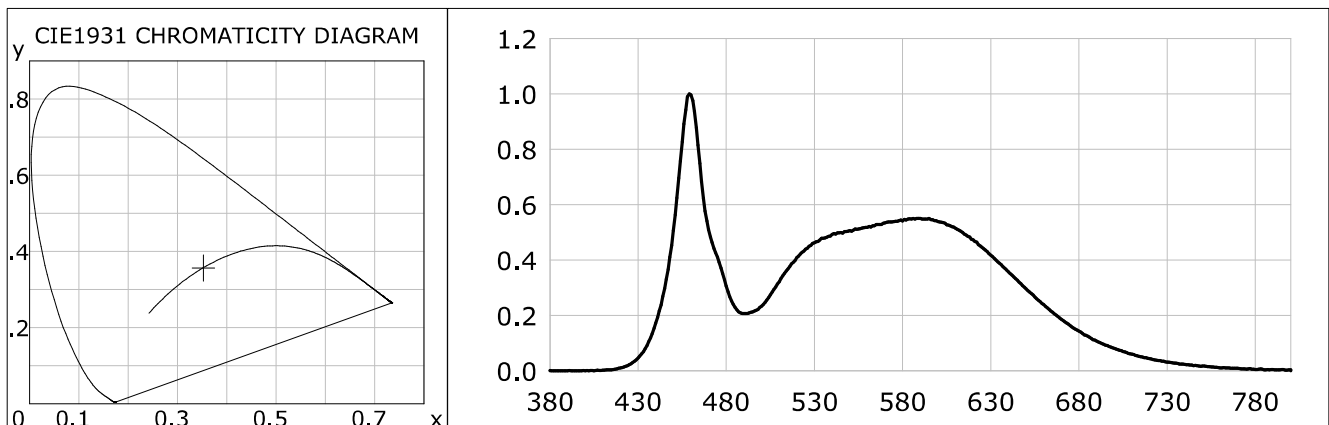
## Product Information

Product Type: LED  
Product Number: 24

Product Spec: FG 180 37W 5000K  
Manufacturer: FAROS

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3530$   $y=0.3564$   $u(u')=0.2148$   $v=0.3254$   $v'=0.4882$   
CCT:  $T_c=4730K$  ( $duv=-0.00066$ ) Color Ratio:  $R=0.169$   $G=0.783$   $B=0.049$   
Peak Wavelength: 459.3nm Half Bandwidth: 20.5nm  
Dominant Wavelength: 576.1nm Color Purity: 0.129  
CRI:  $R_a=84.6$  TM30:  $R_f=78$ ,  $R_g=91$   
 $R1=85$   $R2=93$   $R3=95$   $R4=79$   $R5=82$   $R6=87$   $R7=86$   $R8=70$   
 $R9=26$   $R10=80$   $R11=76$   $R12=53$   $R13=88$   $R14=97$   $R15=81$   
Color Quality Scale:  $Q_a=81.3$ ,  $Q_f=81.5$ ,  $Q_p=80.4$ ,  $Q_g=91.0$   
 $Q1=81$   $Q2=96$   $Q3=79$   $Q4=69$   $Q5=72$   $Q6=75$   $Q7=83$   $Q8=89$   
 $Q9=97$   $Q10=90$   $Q11=85$   $Q12=85$   $Q13=85$   $Q14=77$   $Q15=80$



## Photometric Parameters

Luminous Flux: 4591.73 lm  
EEI: 0.11

Efficiency: 127.51 lm/W

Radiant Power: 14.525 W

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

## Electric Parameters

Voltage: 219.80V  
Power Factor: 0.9790

Current: 0.1670A  
Frequency: 50.00Hz

Power: 36.01W

### Test Information

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min  
Max of Signal: 49896 (3122)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 2.00m, 4PI  
CCD Integration Time: 102.29 ms

Condition:  $T_x=25.3^{\circ}C$ ,  $T_i=24.0^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: Lisun LMS-9000A(Plus)  
Test Time: 2018-05-11 17:10:40  
Inspector: