

# Lightsource Test Report

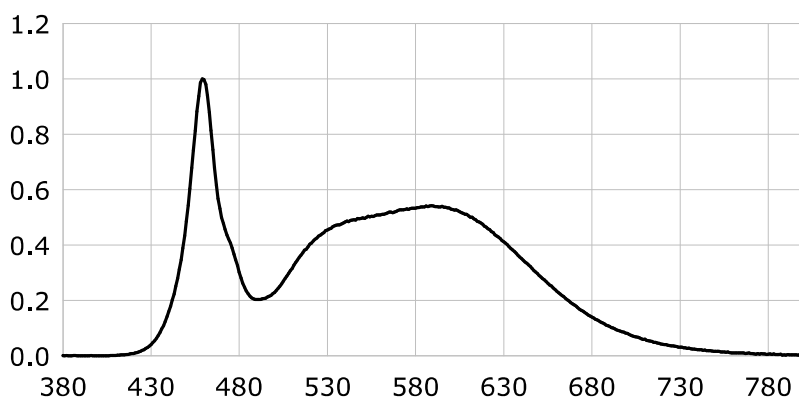
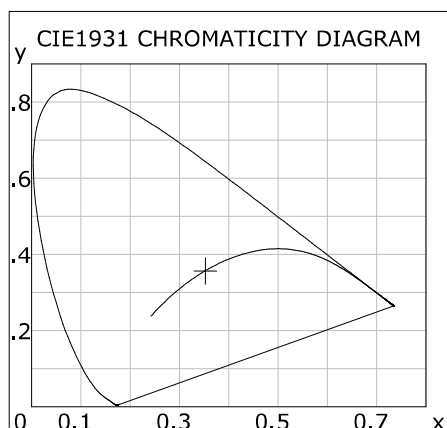
## Product Infomation

Product Type: LED  
Product Number: 8

Product Spec: FG 180 32W 5000K  
Manufacturer: FAROS

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3531$   $y=0.3569$   $u(u')=0.2148$   $v=0.3256$   $v'=0.4884$   
CCT:  $T_c=4726K$  ( $duv=-0.00049$ ) Color Ratio:  $R=0.169$   $G=0.783$   $B=0.049$   
Peak Wavelength: 459.4nm Half Bandwidth: 19.8nm  
Dominant Wavelength: 575.9nm Color Purity: 0.131  
CRI:  $R_a=84.6$  TM30:  $R_f=78$ ,  $R_g=91$   
 $R1=85$   $R2=94$   $R3=95$   $R4=78$   $R5=82$   $R6=87$   $R7=86$   $R8=70$   
 $R9=26$   $R10=80$   $R11=76$   $R12=53$   $R13=88$   $R14=98$   $R15=81$   
Color Quality Scale:  $Q_a=81.3$ ,  $Q_f=81.5$ ,  $Q_p=80.3$ ,  $Q_g=90.9$   
 $Q1=81$   $Q2=96$   $Q3=79$   $Q4=69$   $Q5=72$   $Q6=75$   $Q7=83$   $Q8=89$   
 $Q9=97$   $Q10=90$   $Q11=85$   $Q12=85$   $Q13=85$   $Q14=78$   $Q15=80$



## Photometric Parameters

Luminous Flux: 4101.67 lm  
EEI: 0.10

Efficiency: 130.83 lm/W

Radiant Power: 12.963 W

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

## Electric Parameters

Voltage: 220.00V  
Power Factor: 0.9850

Current: 0.1450A  
Frequency: 49.99Hz

Power: 31.35W

### Test Infomation

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min  
Max of Signal: 45428 (3090)

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

Condition:  $T_x=25.0^{\circ}C$ ,  $T_i=24.0^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: Lisun LMS-9000A(Plus)  
Test Time: 2018-05-11 17:35:55  
Inspector: