

# Lightsource Test Report

## Product Infomation

Product Type: LED

Product Number: 7

Remark: Coefficient pulsation: 0,9%

Product Spec: FG 180 36W 5000K

Manufacturer: FAROS

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3516$   $y=0.3551$   $u(u')=0.2145$   $v=0.3249$   $v'=0.4873$

CCT:  $T_c=4772K$  ( $duv=-0.00082$ )

Color Ratio:  $R=0.168$   $G=0.783$   $B=0.049$

Peak Wavelength: 459.2nm

Half Bandwidth: 22.1nm

Dominant Wavelength: 575.9nm

Color Purity: 0.121

CRI:  $R_a=84.6$

TM30:  $R_f=79$ ,  $R_g=91$

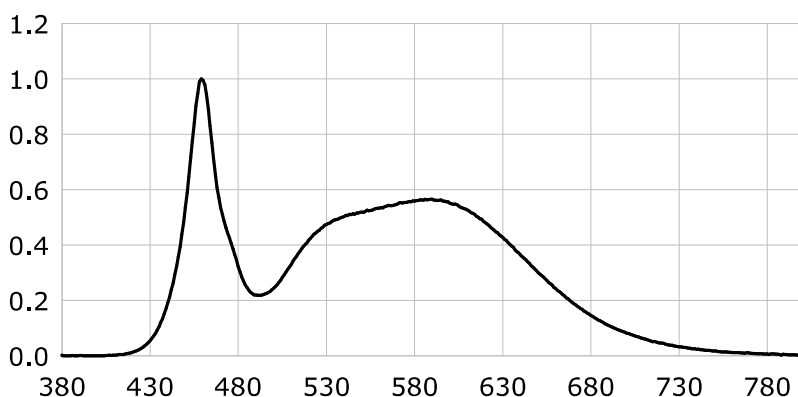
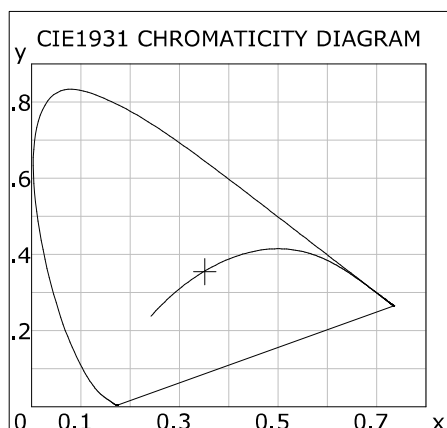
$R1=85$   $R2=94$   $R3=95$   $R4=79$   $R5=82$   $R6=87$   $R7=86$   $R8=70$

$R9=26$   $R10=80$   $R11=76$   $R12=54$   $R13=88$   $R14=97$   $R15=81$

Color Quality Scale:  $Q_a=81.3$ ,  $Q_f=81.5$ ,  $Q_p=80.4$ ,  $Q_g=91.0$

$Q1=81$   $Q2=96$   $Q3=79$   $Q4=69$   $Q5=73$   $Q6=75$   $Q7=83$   $Q8=89$

$Q9=97$   $Q10=90$   $Q11=85$   $Q12=85$   $Q13=85$   $Q14=77$   $Q15=80$



## Photometric Parameters

Luminous Flux: 4285.59 lm

Efficiency: 118.55 lm/W

Radiant Power: 13.597 W

EEI: 0.11

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

## Electric Parameters

Voltage: 219.80V

Current: 0.1690A

Power: 36.15W

Power Factor: 0.9720

Frequency: 50.00Hz

### Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 45566 (2937)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 100.73 ms

Condition:  $T_x=23.4^{\circ}C$ ,  $T_i=23.5^{\circ}C$ , R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-05-11 09:31:46

Inspector: