

# Lightsource Test Report

## Product Infomation

Product Spec: FG 595 36W 4000K

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3888$   $y=0.3795$   $u(u')=0.2295$   $v=0.3360$   $v'=0.5040$

CCT:  $T_c=3800K$  ( $duv=-0.00107$ )

Color Ratio:  $R=0.200$   $G=0.756$   $B=0.044$

Peak Wavelength: 461.1nm

Half Bandwidth: 24.2nm

Dominant Wavelength: 580.4nm

Color Purity: 0.306

CRI:  $R_a=87.1$

TM30:  $R_f=81$ ,  $R_g=92$

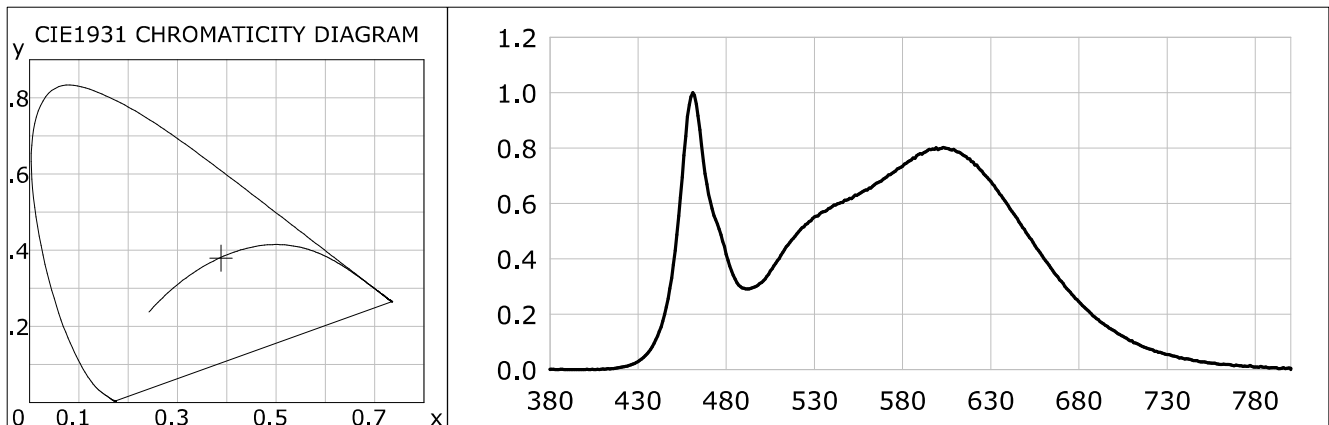
$R_1=88$   $R_2=97$   $R_3=95$   $R_4=81$   $R_5=86$   $R_6=93$   $R_7=84$   $R_8=71$

$R_9=35$   $R_{10}=91$   $R_{11}=80$   $R_{12}=65$   $R_{13}=92$   $R_{14}=99$   $R_{15}=84$

Color Quality Scale:  $Q_a=85.0$ ,  $Q_f=85.2$ ,  $Q_p=83.8$ ,  $Q_g=91.7$

$Q_1=81$   $Q_2=94$   $Q_3=87$   $Q_4=77$   $Q_5=78$   $Q_6=79$   $Q_7=86$   $Q_8=91$

$Q_9=98$   $Q_{10}=95$   $Q_{11}=91$   $Q_{12}=89$   $Q_{13}=89$   $Q_{14}=81$   $Q_{15}=82$



## Photometric Parameters

Luminous Flux: 4327.53 lm  
EEI: 0.11

Efficiency: 119.25 lm/W

Radiant Power: 13.715 W

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

## Electric Parameters

Voltage: 220.00V

Current: 0.1690A

Power: 36.29W

Power Factor: 0.9770

Frequency: 50.00Hz

### Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 30201 (3162)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 93.10 ms

Condition:  $T_x=26.4^{\circ}C$ ,  $T_i=26.5^{\circ}C$ , R.H.:60%

Test Lab:

Operator: Albakov D.

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-06-20 10:30:49

Inspector: