

Lightsource Test Report

Product Information

Product Spec: FG 180 18LED 0,32A 36W

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3899$ $y=0.3799$ $u(u')=0.2300$ $v=0.3363$ $v'=0.5044$

CCT: $T_c=3777K$ ($duv=-0.00114$)

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

Peak Wavelength: 461.2nm

Half Bandwidth: 24.1nm

Dominant Wavelength: 580.5nm

Color Purity: 0.310

CRI: $R_a=86.9$

TM30: $R_f=80$, $R_g=91$

$R_1=88$

$R_2=97$

$R_3=95$

$R_4=81$

$R_5=86$

$R_6=93$

$R_7=84$

$R_8=70$

$R_9=34$

$R_{10}=90$

$R_{11}=80$

$R_{12}=65$

$R_{13}=92$

$R_{14}=99$

$R_{15}=84$

Color Quality Scale: $Q_a=84.8$, $Q_f=85.1$, $Q_p=83.6$, $Q_g=91.7$

$Q_1=81$

$Q_2=94$

$Q_3=86$

$Q_4=77$

$Q_5=77$

$Q_6=79$

$Q_7=86$

$Q_8=91$

$Q_9=98$

$Q_{10}=95$

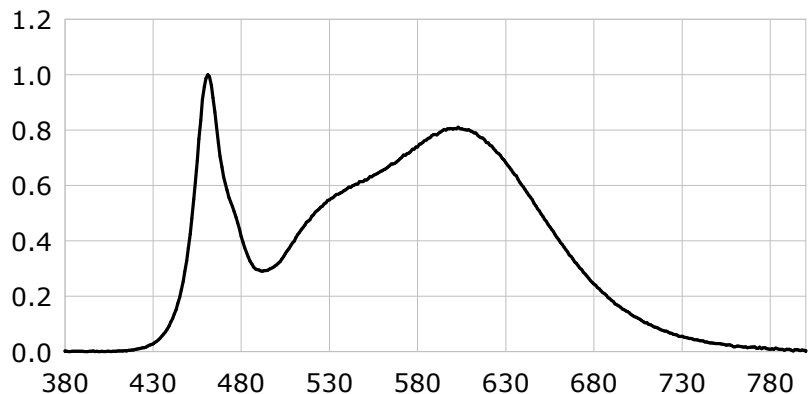
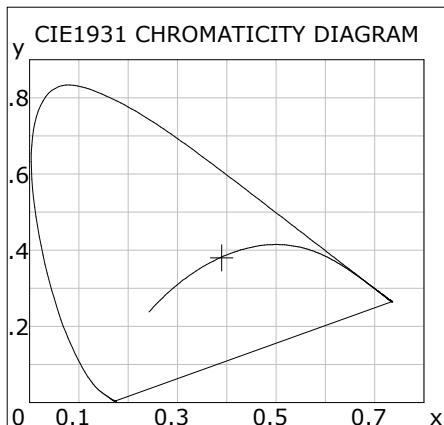
$Q_{11}=90$

$Q_{12}=89$

$Q_{13}=88$

$Q_{14}=81$

$Q_{15}=82$



Photometric Parameters

Luminous Flux: 4015.20 lm

Efficiency: 112.44 lm/W

Radiant Power: 12.709 W

EEL: 0.12

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

PAR: 12.352 W

PPF: 58.430 $\mu\text{mol/s}$

R/B: 1.6

Electric Parameters

Voltage: 219.90V

Current: 0.1660A

Power: 35.71W

Power Factor: 0.9770

Frequency: 50.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 15792 (3087)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 50.00 ms

Condition: $T_x=25.8^\circ\text{C}$, $T_i=25.5^\circ\text{C}$, R.H.:60%

Test Lab:

Operator: Albakov D.

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-06-22 12:50:58

Inspector: