

Lightsource Test Report

Product Infomation

Product Spec: FL 1500 A30 52W 5000K

Product Number: 16

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3516$ $y=0.3565$ $u(u')=0.2139$ $v=0.3253$ $v'=0.4880$

CCT: $T_c=4979K$ ($duv=-0.00009$)

Color Ratio: $R=0.168$ $G=0.782$ $B=0.050$

Peak Wavelength: 458.9nm

Half Bandwidth: 21.9nm

Dominant Wavelength: 575.1nm

Color Purity: 0.125

CRI: $R_a=85.1$

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

$R_1=85$

$R_2=94$

$R_3=95$

$R_4=79$

$R_5=83$

$R_6=88$

$R_7=86$

$R_8=71$

$R_9=27$

$R_{10}=82$

$R_{11}=77$

$R_{12}=55$

$R_{13}=89$

$R_{14}=98$

$R_{15}=82$

Color Quality Scale: $Q_a=82.0$, $Q_f=82.3$, $Q_p=80.9$, $Q_g=91.0$

$Q_1=81$

$Q_2=96$

$Q_3=81$

$Q_4=70$

$Q_5=74$

$Q_6=76$

$Q_7=84$

$Q_8=89$

$Q_9=98$

$Q_{10}=91$

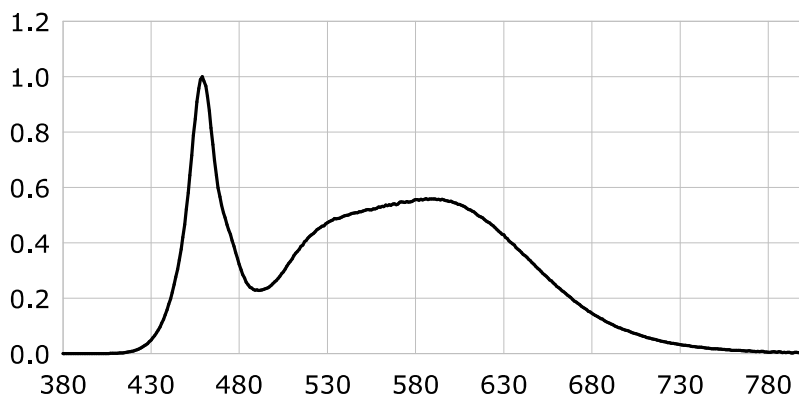
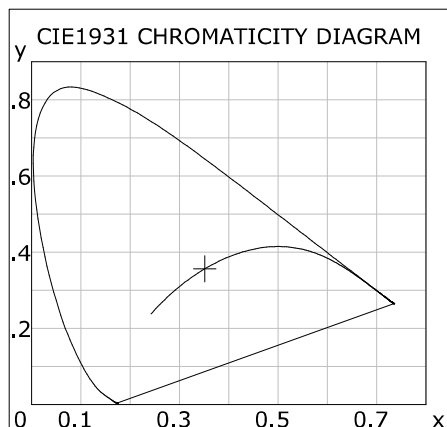
$Q_{11}=86$

$Q_{12}=86$

$Q_{13}=86$

$Q_{14}=78$

$Q_{15}=80$



Photometric Parameters

Luminous Flux: 5907.59 lm

Efficiency: 114.91 lm/W

Radiant Power: 18.743 W

EEI: 0.12

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

Electric Parameters

Voltage: 221.70V

Current: 0.2350A

Power: 51.41W

Power Factor: 0.9860

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 45261 (3373)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 75.01 ms

Condition: $T_x=29.1^{\circ}C$, $T_i=29.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-08-01 15:47:33

Inspector: