

Lightsource Test Report

Product Infomation

Product Spec: FI 105 10W 4000K

Product Number: 5

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3925$ $y=0.3810$ $u(u')=0.2314$ $v=0.3368$ $v'=0.5052$

CCT: $T_c=3719K$ ($duv=-0.00134$)

Color Ratio: $R=0.200$ $G=0.761$ $B=0.040$

Peak Wavelength: 459.5nm

Half Bandwidth: 22.9nm

Dominant Wavelength: 580.8nm

Color Purity: 0.322

CRI: $R_a=85.6$

TM30: $R_f=80$, $R_g=93$

$R_1=86$

$R_2=95$

$R_3=96$

$R_4=81$

$R_5=84$

$R_6=91$

$R_7=84$

$R_8=68$

$R_9=27$

$R_{10}=85$

$R_{11}=79$

$R_{12}=62$

$R_{13}=89$

$R_{14}=99$

$R_{15}=81$

Color Quality Scale: $Q_a=83.7$, $Q_f=84.0$, $Q_p=82.9$, $Q_g=92.1$

$Q_1=82$

$Q_2=96$

$Q_3=83$

$Q_4=75$

$Q_5=77$

$Q_6=80$

$Q_7=85$

$Q_8=89$

$Q_9=98$

$Q_{10}=92$

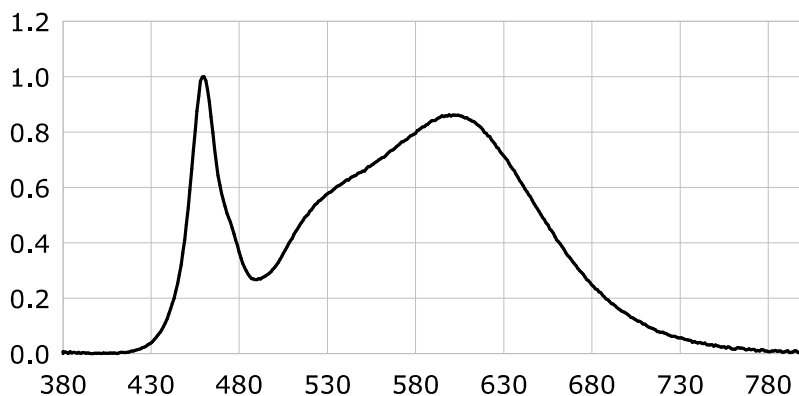
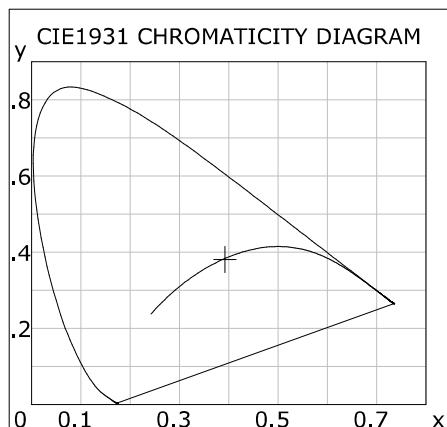
$Q_{11}=88$

$Q_{12}=87$

$Q_{13}=86$

$Q_{14}=78$

$Q_{15}=80$



Photometric Parameters

Luminous Flux: 1436.88 lm
EEI: 0.10

Efficiency: 141.29 lm/W

Radiant Power: 4.485 W

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

Electric Parameters

Voltage: 220.00V

Current: 0.0480A

Power: 10.17W

Power Factor: 0.9690

Frequency: 50.00Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 45238 (3583)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 408.30 ms

Condition: $T_x=28.7^{\circ}C$, $T_i=29.5^{\circ}C$, R.H.:60%

Test Lab:

Operator: Albakov D.

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-07-09 08:38:21

Inspector: