

Lightsource Test Report

Product Infomation

Product Type: LED

Product Number: 1

Remark: Coefficient pulsation: 0,5%

Product Spec: FI 105 20W IF 20,5-315

Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3536$ $y=0.3572$ $u(u')=0.2150$ $v=0.3258$ $v'=0.4886$

CCT: $T_c=4711K$ ($duv=-0.00053$)

Color Ratio: $R=0.169$ $G=0.780$ $B=0.051$

Peak Wavelength: 460.6nm

Half Bandwidth: 22.0nm

Dominant Wavelength: 576.1nm

Color Purity: 0.133

CRI: $R_a=84.5$

TM30: $R_f=78$, $R_g=91$

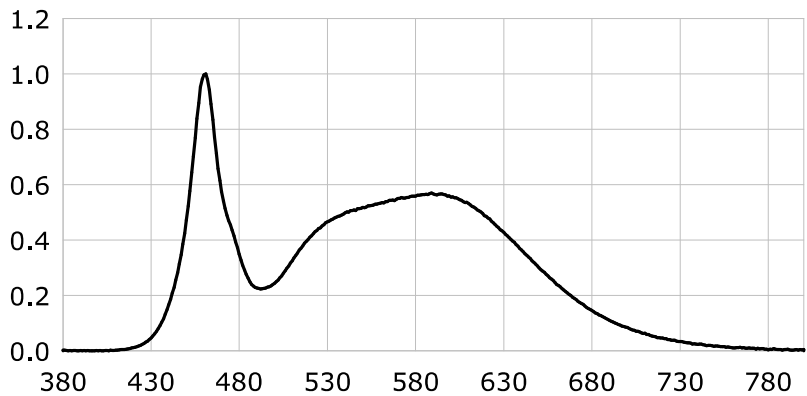
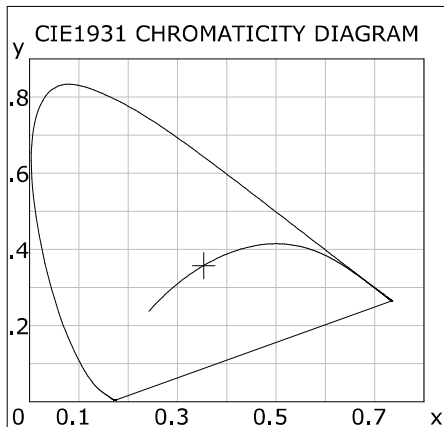
$R_1=85$ $R_2=94$ $R_3=95$ $R_4=77$ $R_5=82$ $R_6=88$ $R_7=84$ $R_8=69$

$R_9=25$ $R_{10}=82$ $R_{11}=75$ $R_{12}=55$ $R_{13}=88$ $R_{14}=98$ $R_{15}=81$

Color Quality Scale: $Q_a=81.2$, $Q_f=81.5$, $Q_p=79.9$, $Q_g=90.3$

$Q_1=80$ $Q_2=95$ $Q_3=81$ $Q_4=69$ $Q_5=72$ $Q_6=74$ $Q_7=82$ $Q_8=89$

$Q_9=98$ $Q_{10}=91$ $Q_{11}=86$ $Q_{12}=85$ $Q_{13}=85$ $Q_{14}=77$ $Q_{15}=79$



Photometric Parameters

Luminous Flux: 2192.39 lm

Efficiency: 137.37 lm/W

Radiant Power: 6.943 W

EEI: 0.10

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

Electric Parameters

Voltage: 220.10V

Current: 0.0780A

Power: 15.96W

Power Factor: 0.9320

Frequency: 50.00Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 48470 (3289)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 200.00 ms

Condition: $T_x=26.7^{\circ}C$, $T_i=25.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2018-06-14 17:14:35

Inspector: