

Lightsource Test Report

Product Infomation

Product Spec: FG 250 30W 5000K frozen
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3882$ $y=0.3908$ $u(u')=0.2246$ $v=0.3392$ $v'=0.5088$

CCT: $T_c=4940K$ ($duv=0.00422$)

Color Ratio: $R=0.181$ $G=0.783$ $B=0.036$

Peak Wavelength: 455.1nm

Half Bandwidth: 23.1nm

Dominant Wavelength: 577.5nm

Color Purity: 0.338

CRI: R_a : $R_a=81.1$

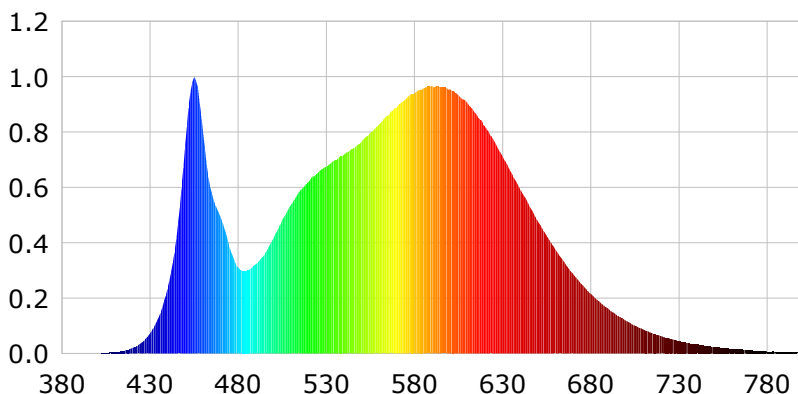
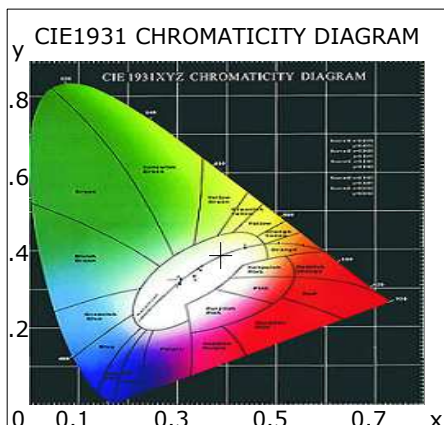
$R_1=79$ $R_2=89$ $R_3=96$ $R_4=78$ $R_5=78$ $R_6=85$ $R_7=84$ $R_8=60$

$R_9=0$ $R_{10}=74$ $R_{11}=76$ $R_{12}=56$ $R_{13}=81$ $R_{14}=98$ $R_{15}=72$

Color Quality Scale: $Q_a=81.6$, $Q_f=82.2$, $Q_p=79.2$, $Q_g=88.9$

$Q_1=79$ $Q_2=96$ $Q_3=82$ $Q_4=75$ $Q_5=78$ $Q_6=79$ $Q_7=82$ $Q_8=88$

$Q_9=97$ $Q_{10}=91$ $Q_{11}=87$ $Q_{12}=85$ $Q_{13}=83$ $Q_{14}=70$ $Q_{15}=74$



Photometric Parameters

Luminous Flux: 4141.83 lm

Efficiency: 136.29 lm/W

Radiant Power: 12.217 W

Electric Parameters

Voltage: 220.90V

Current: 0.1430A

Power: 30.39W

Power Factor: 0.9640

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 55497 (2706)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 200.00 ms

Condition: $T_x=18.5^{\circ}C$, $T_i=18.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-01-29 10:27:48

Inspector: