

# Lightsource Test Report

## Product Information

Product Spec: FL 1500 27W 5000K  
Manufacturer: FAROS

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3582$   $y=0.3720$   $u(u')=0.2123$   $v=0.3308$   $v'=0.4962$   
CCT:  $T_c=4930K$  ( $duv=0.00499$ ) Color Ratio:  $R=0.161$   $G=0.796$   $B=0.042$   
Peak Wavelength: 452.2nm Half Bandwidth: 21.3nm  
Dominant Wavelength: 572.8nm Color Purity: 0.191

CRI:  $R_a=82.2$

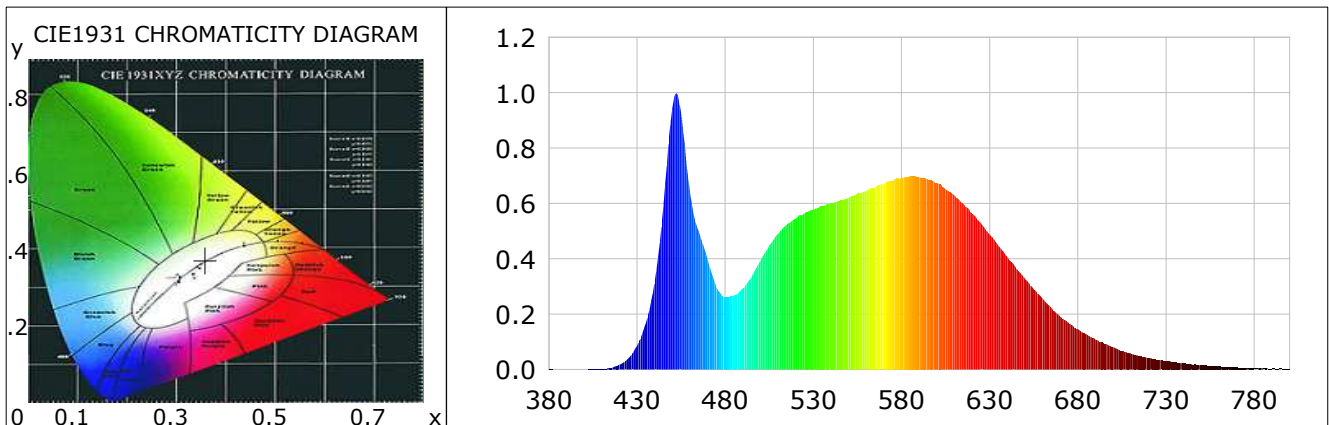
$R_1=80$   $R_2=88$   $R_3=95$   $R_4=80$   $R_5=80$   $R_6=84$   $R_7=87$   $R_8=65$

$R_9=3$   $R_{10}=72$   $R_{11}=79$   $R_{12}=55$   $R_{13}=82$   $R_{14}=97$   $R_{15}=73$

Color Quality Scale:  $Q_a=82.4$ ,  $Q_f=82.8$ ,  $Q_p=80.8$ ,  $Q_g=90.0$

$Q_1=81$   $Q_2=97$   $Q_3=81$   $Q_4=75$   $Q_5=80$   $Q_6=81$   $Q_7=84$   $Q_8=89$

$Q_9=97$   $Q_{10}=90$   $Q_{11}=87$   $Q_{12}=86$   $Q_{13}=84$   $Q_{14}=71$   $Q_{15}=75$



## Photometric Parameters

Luminous Flux: 3496.21 lm

Efficiency: 116.73 lm/W

Radiant Power: 10.539 W

## Electric Parameters

Voltage: 221.20V

Current: 0.1390A

Power: 29.95W

Power Factor: 0.9770

Frequency: 49.99Hz

## Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 53555 (3126)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 200.00 ms

Condition:  $T_x=24.9^\circ C$ ,  $T_i=24.5^\circ C$ , R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-04-17 13:44:02

Inspector: